



Certified:

E-136-21

NIFS ID:CQPW21000020 Department: Public Works

FILED WIT THE CLERK OF THE
NASSAU COUNTY LEGISLATURE
SEPTEMBER 2, 2021 11:43AM

Capital:

SERVICE: Disaster Debris Monitoring Services-H10003-01CT

Contract ID #:CQPW21000020 NIFS Entry Date: 02-AUG-21 Term: from to

New
Time Extension:
Addl. Funds:
Blanket Resolution:
RES#

1) Mandated Program:	N
2) Comptroller Approval Form Attached:	Y
3) CSEA Agmt. § 32 Compliance Attached:	Y
4) Material Adverse Information Identified? (if yes, attach memo):	N
5) Insurance Required	Y

Vendor Info:	
Name: Tetra Tech, Inc	Vendor ID#: 95 4148514
Address: 2301 Lucien Way Suite 120 Maitland, FL 32751	Contact Person: Jonathan Burgiel
	Phone: (321) 441-8511

Department:
Contact Name: Saji Varughese
Address: NCDPW 1194 Prospect Ave. Westbury, NY 11590 Phone: 5165719651

Routing Slip

Department	NIFS Entry: X	03-AUG-21 -- LDIONISIO
Department	NIFS Approval: X	03-AUG-21 -- RD'ALLEVA
DPW	Capital Fund Approved:	
OMB	NIFA Approval: X	10-AUG-21 -- CNOLAN
OMB	NIFS Approval: X	03-AUG-21 -- NGUMIENIAK
County Atty.	Insurance Verification: X	03-AUG-21 -- AAMATO
County Atty.	Approval to Form: X	03-AUG-21 -- DGRIPPO

CPO	Approval: X	13-AUG-21 -- PARJUNE
DCEC	Approval: X	31-AUG-21 -- RCLEARY
Dep. CE	Approval: X	01-SEP-21 -- BSCHNEIDER
Leg. Affairs	Approval/Review: X	02-SEP-21 -- JSCHANTZ
Legislature	Approval:	
Comptroller	Deputy:	
NIFA	NIFA Approval:	

Contract Summary

Purpose: Agreement with Tetra Tech Inc. to assist Nassau County in managing disaster relief efforts involving debris removal in the event of a disaster within Nassau County.
Method of Procurement: RFP was issued 5/15/20
Procurement History: RFP issued 5/15/20 - four proposal received. Thompson Consulting Services was one of three vendors selected.
Description of General Provisions: Tetra Tech Inc. shall assist in the management of disaster relief efforts involving debris removal in the event of a disaster. Services include preparation for natural disasters, participating in annual planning meetings with County Representatives to establish and review policies and procedures relating to disaster debris management, monitoring debris collection and disposal operations, coordinating daily briefings, progress reports and staffing with County debris manager and a number of duties.
Impact on Funding / Price Analysis: The maximum amount of this agreement is \$1 million per year for a term of 36 months, with an option to renew for two (2) one (1) year terms, for a total maximum of \$5 million.
Change in Contract from Prior Procurement: N/A
Recommendation: (approve as submitted) Approve as submitted

Advisement Information

BUDGET CODES		FUNDING SOURCE	AMOUNT	LINE	INDEX/OBJECT CODE	AMOUNT
Fund:	GEN					
Control:	01	Revenue		1	PWGEN	\$ 0.01
Resp:	0175	Contract:			0175/DE500	\$ 0.00
Object:	DE500	County	\$ 0.01			\$ 0.00
Transaction:	CQ	Federal	\$ 0.00			\$ 0.00
Project #:		State	\$ 0.00			\$ 0.00
Detail:		Capital	\$ 0.00			\$ 0.00
		Other	\$ 0.00			\$ 0.00
		TOTAL	\$ 0.01		TOTAL	\$ 0.01
RENEWAL						
% Increase						
% Decrease						

RULES RESOLUTION NO. – 2021

A RESOLUTION AUTHORIZING THE COUNTY EXECUTIVE
TO EXECUTE A PERSONAL SERVICES AGREEMENT BETWEEN
THE COUNTY OF NASSAU, ACTING ON BEHALF OF THE
DEPARTMENT OF PUBLIC WORKS, AND TETRA TECH, INC.

WHEREAS, the County has negotiated a personal services agreement
with Tetra Tech, Inc. for disaster-related debris-monitoring services, a copy
of which is on file with the Clerk of the Legislature; now, therefore, be it

RESOLVED, that the Rules Committee of the Nassau County
Legislature authorizes the County Executive to execute the said amendment
to an agreement with Tetra Tech, Inc.



Nassau County Interim Finance Authority

Contract Approval Request Form (As of January 1, 2015)

1. Vendor: Tetra Tech, Inc

2. Dollar amount requiring NIFA approval: \$5000000

Amount to be encumbered: \$.01

This is a New

If new contract - \$ amount should be full amount of contract

If advisement ?NIFA only needs to review if it is increasing funds above the amount previously approved by NIFA

If amendment - \$ amount should be full amount of amendment only

3. Contract Term: Three years from CE's signature

Has work or services on this contract commenced? N _____

If yes, please explain:

4. Funding Source:

X General Fund (GEN)

Capital Improvement Fund (CAP)

Other

Grant Fund (GRT)

Federal % 0

State % 0

County % 0

Is the cash available for the full amount of the contract?

Y

If not, will it require a future borrowing?

N

Has the County Legislature approved the borrowing?

N/A

Has NIFA approved the borrowing for this contract?

N/A

5. Provide a brief description (4 to 5 sentences) of the item for which this approval is requested:

Approval of this agreement with Debris Tech is to assist Nassau County in managing disaster relief efforts involving debris removal if there is any disaster with in Nassau County.

6. Has the item requested herein followed all proper procedures and thereby approved by the:

Nassau County Attorney as to form Y

Nassau County Committee and/or Legislature

Date of approval(s) and citation to the resolution where approval for this item was provided:

7. Identify all contracts (with dollar amounts) with this or an affiliated party within the prior 12 months:

Contract ID	Date	Amount

AUTHORIZATION

To the best of my knowledge, I hereby certify that the information contained in this Contract Approval Request Form and any additional information submitted in connection with this request is true and accurate and that all expenditures that will be made in reliance on this authorization are in conformance with the Nassau County Approved Budget and not in conflict with the Nassau County Multi-Year Financial Plan. I understand that NIFA will rely upon this information in its official deliberations.

CNOLAN

10-AUG-21

Authenticated User

Date

COMPTROLLER'S OFFICE

To the best of my knowledge, I hereby certify that the information listed is true and accurate and is in conformance with the Nassau County Approved Budget and not in conflict with the Nassau County Multi-Year Financial Plan.

Regarding funding, please check the correct response:

☐ I certify that the funds are available to be encumbered pending NIFA approval of this contract.

If this is a capital project:

I certify that the bonding for this contract has been approved by NIFA.

Budget is available and funds have been encumbered but the project requires NIFA bonding authorization

Authenticated User

Date

NIFA

Amount being approved by NIFA:

Payment is not guaranteed for any work commenced prior to this approval.

Authenticated User

Date

NOTE: All contract submissions MUST include the County's own routing slip, current NIFS printouts for all relevant accounts and relevant Nassau County Legislature communication documents and relevant supplemental information pertaining to the item requested herein.

NIFA Contract Approval Request Form MUST be filled out in its entirety before being submitted to NIFA for review.

NIFA reserves the right to request additional information as needed.



Nassau County, NEW YORK

Contract for Services

For

Disaster Debris Monitoring Services

H10003 01CT

Table of Contents

Exhibit A	Scope of Services
Appendix B	Payment Schedule
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Appendix K	M/WBE Utilization Plan
Appendix L	Certificate of Compliance - Living Wage Law

CONTRACT FOR SERVICES

THIS AGREEMENT (together with the schedules, appendices, attachments and exhibits, if any, this “Agreement” or “Contract”), dated as of the date this Agreement is executed by the County of Nassau, between (i) Nassau County, a municipal corporation having its principal office at 1550 Franklin Avenue, Mineola, New York 11501 (the “County”) acting on behalf of the County Department of Public Works, having its principal office at 1194 Prospect Avenue, Westbury, New York 11590 (the “Department”) and (ii) Tetra Tech, Inc, a disaster Monitoring firm having its principal office at 2301 Lucien Way, Suite 120, Maitland, Florida 32751 (the “Firm” or the “Contractor” or the “Consultant”).

WITNESSETH:

WHEREAS, the County desires to hire the Firm to perform the services described in this Agreement; and

WHEREAS, this is a personal service contract within the intent and purview of Section 2206 of the County Charter;

WHEREAS, the Firm desires to perform the services described in this Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants contained in this Agreement, the parties agree as follows:

1. Term. The term of this Agreement shall commence on the date on which this Agreement is executed by the County (the “Commencement Date”) and terminate three (3) years from the Commencement Date (the “Expiration Date”) unless sooner terminated or extended in accordance with its terms. Notwithstanding the foregoing, the Department, in its sole discretion, shall have the right to extend this Agreement for an additional two one (1) year term by delivering a notice of extension to the Firm at least thirty (30) days prior to the Expiration Date. The Agreement so extended shall, with the exception of the price adjustment for renewal as described herein, be on the same terms, conditions and covenants as during the initial term except that the Expiration Date shall be modified in accordance with the notice of extension. Any work started by the firm, prior to the expiration date of the Agreement, may be completed in its entirety, even if the work is performed beyond the expiration date of the Agreement. An Amendment will not be required for the sole purpose of extending the term of the contract.

2. Services.

(a) The services to be provided by the Firm under this Agreement include disaster-related debris monitoring services. The specific work divisions and deliverables related to this project are more particularly described in the “Detailed Scope of Services,” attached hereto and hereby made a part hereof as Exhibit “A”.

(b) At any time during the term of this Agreement, the County may, in its sole and absolute discretion, require the Contractor to perform Extra Services. The Firm shall not perform, nor be compensated for, Extra Services without the prior written approval of

the Commissioner or his or her duly designated deputy. The Contractor agrees to perform any such Extra Services in accordance with the terms and conditions contained in this Agreement. As used herein, "Extra Services" means additional services which are (i) generally within the scope of services set forth in this Agreement, (ii) necessary or in furtherance of the goals of this Agreement and (iii) not due to the fault or negligence of the Contractor.

3. Payment.

- (a) Amount of Consideration The amount to be paid to the Firm as full consideration for the Firm's services under this Agreement shall be payable as subject to and set forth in the "Payment Schedule," attached hereto and made hereby part hereof as Appendix "B". Price adjustments for the resulting contract schedule rates will be considered prior to each of the two (2) renewal option years. The price adjustment shall not exceed the average of the Consumer Price Index for All Urban Areas during the twelve months prior to renewal or five (5%) percent, whichever is less. Consultant shall submit the requested price adjustments to the County's designated contract administrator ninety days prior to the contract renewal date. All work set forth in the Scope of Work must be approved by personnel authorized by the County to act as the "County Debris Manager" or the County Debris Manager's authorized representative.
- (b) Vouchers; Voucher Review, Approval and Audit. Payments shall be made to the Firm in arrears and shall be contingent upon (i) the Contractor submitting a claim voucher (the "Voucher") in a form satisfactory to the County, that (a) states with reasonable specificity the services provided and the payment requested as consideration for such services, (b) certifies that the services rendered and the payment requested are in accordance with this Agreement, and (c) is accompanied by a progress report, in a form satisfactory to the County, indicating the percentage and description of work completed and other documentation satisfactory to the County supporting the amount claimed, and (ii) review, approval and audit of the Voucher by the Department and/or the County Comptroller or his or her duly designated representative (the "Comptroller").
- (c) Timing of Payment Claims. The Firm shall submit claims no later than three (3) months following the County's receipt of the services that are the subject of the claim and no more frequently than once a month.
- (d) No Duplication of Payments. Payments under this Agreement shall not duplicate payments for any work performed or to be performed under other agreements between the Firm and any funding source including the County.
- (e) Payments in Connection with Termination or Notice of Termination. Unless a provision of this Agreement expressly states otherwise, payments to the Firm following the termination of this Agreement shall not exceed payments made as consideration for services that were (i) performed prior to termination, (ii) authorized by this Agreement to be performed, and (iii) not performed after the Firm received notice that the County did not desire to receive such services.

- (f) Payments Relating to Services Rendered by Subcontractors. The County retains the right, but not the obligation, prior to making any payment to the Firm, to demand that the Firm furnish to the County, proof acceptable to the County, in its sole and absolute discretion, that all due and payable claims made by subcontractors in connection with this Agreement have been paid to date or are included in the amount being requested by the Firm.

4. Ownership and Control of Work Product

(a) Copyrights.

(i) Upon execution of this Agreement, any reports, documents, data, photographs and/or other materials produced pursuant to this Agreement, and any and all drafts and/or other preliminary materials in any format related to such items, shall become the exclusive property of the County.

(ii) Any reports, documents, data, photographs and/or other materials produced pursuant to this Agreement ("Copyrightable Materials") shall be considered "work-made-for-hire" within the meaning and purview of Section 101 of the United States Copyright Act, 17 U.S.C. §101, and the County shall be the copyright owner thereof and of all aspects, elements and components thereof in which copyright protection might exist. To the extent that the Copyrightable Materials do not qualify as "work-made-for-hire," the Contractor hereby irrevocably transfers, assigns and conveys exclusive copyright ownership in and to the Copyrightable Materials to the County, free and clear of any liens, claims, or other encumbrances. The Contractor shall retain no copyright or intellectual property interest in the Copyrightable Materials, and they shall be used by the Contractor for no other purpose without the prior written permission of the County.

(iii) The Contractor acknowledges that the County may, in its sole discretion, register copyright in the Copyrightable Materials with the U.S. Copyright Office or any other government agency authorized to grant copyright registrations. The Contractor shall cooperate in this effort, and agrees to provide any further documentation necessary to accomplish this.

(iv) The Contractor represents and warrants that the Copyrightable Materials: (1) are wholly original material not published elsewhere (except for material that is in the public domain); (2) do not violate any copyright law; (3) do not constitute defamation or invasion of the right of privacy or publicity, and (4) are not an infringement of any kind, of the rights of any third party. To the extent that the Copyrightable Materials incorporate any non-original material, the Contractor has obtained all necessary permissions and clearances, in writing, for the use of such non-original material under this Agreement, copies of which shall be provided to the County upon execution of this Agreement.

(b) Patents and Inventions. Any discovery or invention arising out of or developed in the course of performance of this Agreement shall be promptly and fully reported to the Department, and if this work is supported by a federal grant of

funds, shall be promptly and fully reported to the Federal Government for determination as to whether patent protection on such invention shall be sought and how the rights in the invention or discovery, including rights under any patent issued thereon, shall be disposed of and administered in order to protect the public interest.

(c) **Pre-existing Rights.** In no case shall 4(a) or 4(b) above apply to, or prevent the Contractor from asserting or protecting its rights in any report, document or other data, or any invention which existed prior to or was developed or discovered independently from the activities directly related to this Agreement.

(d) **Infringements of Patents, Trademarks, and Copyrights.** The Contractor shall indemnify and hold the County harmless against any claim for any infringement by the Contractor of any copyright, trade secrets, trademark or patent rights of design, systems, drawings, graphs, charts, specifications or printed matter furnished or used by the Contractor in the performance of this Agreement. The Contractor shall indemnify and hold the County harmless regardless of whether or not the infringement arises out of compliance with the scope of services/scope of work.

(e) **Antitrust.** The Contractor hereby assigns, sells, and transfers to the County all right, title and interest in and to any claims and causes of action arising under the antitrust laws of the State of New York or of the United States relating to the particular goods or services procured by the County under this Agreement.

5. **Independent Contractor.** The Firm is an independent Contractor of the County. The Firm shall not, nor shall any officer, director, employee, servant, agent or independent Contractor of the Firm (a “Firm Agent”), be (i) deemed a County employee, (ii) commit the County to any obligation, or (iii) hold itself, himself, or herself out as a County employee or Person with the authority to commit the County to any obligation. As used in this Agreement the word “Person” means any individual person, entity (including partnerships, corporations and limited liability companies), and government or political subdivision thereof (including agencies, bureaus, offices and departments thereof).

6. **No Arrears or Default.** The Contractor is not in arrears to the County upon any debt or contract and it is not in default as surety, contractor, or otherwise upon any obligation to the County, including any obligation to pay taxes to, or perform services for or on behalf of, the County.

7. **Compliance with Law.**

(a) **Generally.** The Contractor shall comply with any and all applicable Federal, State and local Laws, including, but not limited to those relating to conflicts of interest, human rights, a living wage, and disclosure of information, in connection with its performance under this Agreement. In furtherance of the foregoing, the Firm is bound by and shall comply with the terms of Appendice (Appendix) “EE” attached hereto and hereby made a part hereof. As used in this Agreement the word “Law” includes any and all statutes, local laws, ordinances, rules, regulations, applicable orders, and/or decrees, as the same may be amended from time to time, enacted, or adopted.

(b) **Nassau County Living Wage Law.** Pursuant to LL 1-2006, as amended, and

to the extent that a waiver has not been obtained in accordance with such law or any rules of the County Executive, the Contractor agrees as follows:

- (i) Contractor shall comply with the applicable requirements of the Living Wage Law, as amended;
- (ii) Failure to comply with the Living Wage Law, as amended, constitutes a material breach of this Agreement, such breach being determined solely by the County. Contractor has the right to cure such breach within thirty days of receipt of notice of breach from the County. In the event that such breach is not timely cured, the County may terminate this Agreement as well as exercise any other rights available to the County under applicable law.
- (iii) On a yearly basis, Contractor shall provide the County with any material changes to its Certificate of Compliance, attached hereto and hereby made a part hereof as Appendix "L."

(c) Records Access. The parties acknowledge and agree that all records, information, and data ("Information") acquired in connection with performance or administration of this Agreement shall be used and disclosed solely for the purpose of performance and administration of the contract or as required by law. The Contractor acknowledges that Contractor Information in the County's possession may be subject to disclosure under Article 6 of the New York State Public Officer's Law ("Freedom of Information Law" or "FOIL"). In the event that such a request for disclosure is made, the County shall make reasonable efforts to notify the Contractor of such request prior to disclosure of the Information so that the Contractor may take such action as it deems appropriate.

(d) Protection of Client Information. The Firm acknowledges and agrees that all information that the Firm acquires in connection with performance under this Agreement shall be strictly confidential, used solely for the purpose of performing services to or on behalf of the County, and shall not be disclosed to third parties except (i) as permitted under this Agreement, (ii) with the written consent of the County (and then only to the extent of the consent), or (iii) upon legal compulsion.

(e) Prohibition of Gifts. In accordance with County Executive Order 2-2018, the Contractor shall not offer, give, or agree to give anything of value to any County employee, agent, consultant, construction manager, or other person or firm representing the County (a "County Representative"), including members of a County Representative's immediate family, in connection with the performance by such County Representative of duties involving transactions with the Contractor on behalf of the County, whether such duties are related to this Agreement or any other County contract or matter. As used herein, "anything of value" shall include, but not be limited to, meals, holiday gifts, holiday baskets, gift cards, tickets to golf outings, tickets to sporting events, currency of any kind, or any other gifts, gratuities, favorable opportunities or preferences. For purposes of this subsection, an immediate family member shall include a spouse, child, parent, or sibling. The Contractor shall include the provisions of this subsection in each subcontract entered into under this Agreement.

- (f) Disclosure of Conflicts of Interest. In accordance with County Executive

Order 2-2018, the Contractor has disclosed as part of its response to the County's Business History Form, or other disclosure form(s), any and all instances where the Contractor employs any spouse, child, or parent of a County employee of the agency or department that contracted or procured the goods and/or services described under this Agreement. The Contractor shall have a continuing obligation, as circumstances arise, to update this disclosure throughout the term of this Agreement.

(g) Vendor Code of Ethics. By executing this Agreement, the Contractor hereby certifies and covenants that:

- (i) The Contractor has been provided a copy of the Nassau County Vendor Code of Ethics issued on June 5, 2019, as may be amended from time to time (the "Vendor Code of Ethics"), and will comply with all of its provisions;
- (ii) All of the Contractor's Participating Employees, as such term is defined in the Vendor Code of Ethics (the "Participating Employees"), have been provided a copy of the Vendor Code of Ethics prior to their participation in the underlying procurement;
- (iii) All Participating Employees have completed the acknowledgment required by the Vendor Code of Ethics;
- (iv) The Contractor will retain all of the signed Participating Employee acknowledgements for the period it is required to retain other records pertinent to performance under this Agreement;
- (v) The Contractor will continue to distribute the Vendor Code of Ethics, obtain signed Participating Employee acknowledgments as new Participating Employees are added or changed during the term of this Agreement, and retain such signed acknowledgments for the period the Contractor is required to retain other records pertinent to performance under this Agreement; and
- (vi) The Contractor has obtained the certifications required by the Vendor Code of Ethics from any subcontractors or other lower tier participants who have participated in procurements for work performed under this Agreement.

8. Minimum Service Standards. Regardless of whether required by Law:

(a) The Firm shall, and shall cause Firm Agents to, conduct its, his or her activities in connection with this Agreement so as not to endanger or harm any Person or property.

(b) The Contractor shall deliver services under this Agreement in a professional manner consistent with the best practices of the industry in which the Contractor operates. The Contractor shall take all actions necessary or appropriate to meet the obligation described in the immediately preceding sentence, including obtaining and maintaining, and causing all Contractor Agents to obtain and maintain, all approvals, licenses, and certifications ("Approvals") necessary or appropriate in connection with this Agreement.

9. Indemnification; Defense; Cooperation.

(a) The Contractor shall be solely responsible for and shall indemnify and hold harmless the County, the Department and its officers, employees, and agents (the “Indemnified Parties”) from and against any and all liabilities, losses, costs, expenses (including, without limitation, attorneys’ fees and disbursements) and damages (“Losses”), arising out of or in connection with any acts or omissions of the Contractor or a Contractor Agent, regardless of whether due to negligence, fault, or default, including Losses in connection with any threatened investigation, litigation or other proceeding or preparing a defense to or prosecuting the same; provided, however, that the Contractor shall not be responsible for that portion, if any, of a Loss that is caused by the negligence of the County.

(b) The Contractor shall, upon the County’s demand and at the County’s direction, promptly and diligently defend, at the Contractor’s own risk and expense, any and all suits, actions, or proceedings which may be brought or instituted against one or more Indemnified Parties for which the Contractor is responsible under this Section, and, further to the Contractor’s indemnification obligations, the Contractor shall pay and satisfy any judgment, decree, loss or settlement in connection therewith.

(c) The Contractor shall, and shall cause Contractor Agents to, cooperate with the County and the Department in connection with the investigation, defense or prosecution of any action, suit or proceeding in connection with this Agreement, including the acts or omissions of the Contractor and/or a Contractor Agent in connection with this Agreement.

(d) The provisions of this Section shall survive the termination of this Agreement.

10. Insurance.

(a) Types and Amounts. The Contractor shall obtain and maintain throughout the term of this Agreement, at its own expense: (i) one or more policies for commercial general liability insurance, which policy(ies) shall name “Nassau County” as an additional insured and have a minimum single combined limit of liability of not less than one million dollars (\$1,000,000) per occurrence and two million dollars (\$2,000,000) in the aggregate, (ii) if contracting in whole or part to provide professional services, one or more policies for professional liability insurance, which policy(ies) shall have a minimum single combined limit liability of not less than one million dollars (\$1,000,000) per claim, (iii) compensation insurance for the benefit of the Contractor’s employees (“Workers’ Compensation Insurance”), which insurance is in compliance with the New York State Workers’ Compensation Law, and (iv) such additional insurance, including, without limitation, builder’s all risk, if applicable, automobile liability insurance and umbrella liability insurance, as the County may from time to time specify.

(a) Acceptability; Deductibles; Subcontractors. All insurance obtained and maintained by the Contractor pursuant to this Agreement shall be (i) written by one or more commercial insurance carriers licensed to do business in New York State and acceptable to the County, and which is (ii) in form and substance acceptable to the County. The Contractor shall be solely responsible for the payment of all deductibles to which such policies are subject. The Contractor shall require any subcontractor hired in connection

with this Agreement to carry insurance with the same limits and provisions required to be carried by the Contractor under this Agreement.

(b) Delivery; Coverage Change; No Inconsistent Action. Prior to the execution of this Agreement, copies of current certificates of insurance evidencing the insurance coverage required by this Agreement shall be delivered to the Department. Not less than thirty (30) days prior to the date of any expiration or renewal of, or actual, proposed or threatened reduction or cancellation of coverage under, any insurance required hereunder, the Contractor shall provide written notice to the Department of the same and deliver to the Department renewal or replacement certificates of insurance. The Contractor shall cause all insurance to remain in full force and effect throughout the term of this Agreement and shall not take or omit to take any action that would suspend or invalidate any of the required coverages. The failure of the Contractor to maintain Workers' Compensation Insurance shall render this contract void and of no effect. The failure of the Contractor to maintain the other required coverages shall be deemed a material breach of this Agreement upon which the County reserves the right to consider this Agreement terminated as of the date of such failure.

11. Assignment; Amendment; Waiver; Subcontracting. This Agreement and the rights and obligations hereunder may not be in whole or part (i) assigned, transferred or disposed of, (ii) amended, (iii) waived, or (iv) subcontracted, without the prior written consent of the County Executive or his or her duly designated deputy (the "County Executive"), and any purported assignment, other disposal or modification without such prior written consent shall be null and void. The failure of a party to assert any of its rights under this Agreement, including the right to demand strict performance, shall not constitute a waiver of such rights.

12. Termination.

(a) Generally. This Agreement may be terminated (i) for any reason by the County upon thirty (30) days' written notice to the Firm, (ii) for "Cause" by the County immediately upon the receipt by the Contractor of written notice of termination, (iii) upon mutual written Agreement of the County and the Contractor, and (iv) in accordance with any other provisions of this Agreement expressly addressing termination.

As used in this Agreement the word "Cause" includes: (i) a breach of this Agreement; (ii) the failure to obtain and maintain in full force and effect all Approvals required for the services described in this Agreement to be legally and professionally rendered; and (iii) the termination or impending termination of federal or state funding for the services to be provided under this Agreement.

(b) By the Firm. This Agreement may be terminated by the Firm if performance becomes impracticable through no fault of the Firm, where the impracticability relates to the Firm's ability to perform its obligations and not to a judgment as to convenience or the desirability of continued performance. Termination under this subsection shall be effected by the Firm delivering to the commissioner or other head of the Department (the "Commissioner"), at least sixty (60) days prior to the termination date (or a shorter period if sixty days' notice is impossible), a notice stating (i) that the Firm is terminating this Agreement in accordance with this subsection, (ii) the date as of which this Agreement will terminate, and (iii) the facts giving rise to the Firm's right to terminate under this subsection.

A copy of the notice given to the Commissioner shall be given to the Deputy County Executive who oversees the administration of the Department (the “Applicable DCE”) on the same day that notice is given to the Commissioner.

(c) Contractor Assistance upon Termination. In connection with the termination or impending termination of this Agreement the Firm shall, regardless of the reason for termination, take all actions reasonably requested by the County (including those set forth in other provisions of this Agreement) to assist the County in transitioning the Firm’s responsibilities under this Agreement. The provisions of this subsection shall survive the termination of this Agreement.

13. Accounting Procedures; Records. The Firm shall maintain and retain, for a period of six (6) years following the later of termination of or final payment under this Agreement, complete and accurate records, documents, accounts and other evidence, whether maintained electronically or manually (“Records”), pertinent to performance under this Agreement. Records shall be maintained in accordance with Generally Accepted Accounting Principles and, if the Firm is a non-profit entity, must comply with the accounting guidelines set forth in the federal Office of Management & Budget Circular A-122, “Cost Principles for Non-Profit Organizations.” Such Records shall at all times be available for audit and inspection by the Comptroller, the Department, any other governmental authority with jurisdiction over the provision of services hereunder and/or the payment therefore, and any of their duly designated representatives. The provisions of this Section shall survive the termination of this Agreement.

14. Limitations on Actions and Special Proceedings against the County. No action or special proceeding shall lie or be prosecuted or maintained against the County upon any claims arising out of or in connection with this Agreement unless:

(a) Notice. At least thirty (30) days prior to seeking relief the Firm shall have presented the demand or claim(s) upon which such action or special proceeding is based in writing to the Applicable DCE for adjustment and the County shall have neglected or refused to make an adjustment or payment on the demand or claim for thirty (30) days after presentment. The Firm shall send or deliver copies of the documents presented to the Applicable DCE under this Section to each of (i) the Department and the (ii) the County Attorney (at the address specified above for the County) on the same day that documents are sent or delivered to the Applicable DCE. The complaint or necessary moving papers of the Firm shall allege that the above-described actions and inactions preceded the Firm’s action or special proceeding against the County.

(b) Time Limitation. Such action or special proceeding is commenced within the earlier of (i) one (1) year of the first to occur of (A) final payment under or the termination of this Agreement, and (B) the accrual of the cause of action, and (ii) the time specified in any other provision of this Agreement.

15. Work Performance Liability. The Firm is and shall remain primarily liable for the successful completion of all work in accordance this Agreement irrespective of whether the Firm is using a Firm Agent to perform some or all of the work contemplated by this Agreement, and irrespective of whether the use of such Firm Agent has been approved by the County.

16. Consent to Jurisdiction and Venue; Governing Law. Unless otherwise specified in this Agreement or required by Law, exclusive original jurisdiction for all claims or actions with respect to this Agreement shall be in the Supreme Court in Nassau County in New York State and the parties expressly waive any objections to the same on any grounds, including venue and forum non conveniens. This Agreement is intended as a contract under, and shall be governed and construed in accordance with, the Laws of New York State, without regard to the conflict of laws provisions thereof.

17. Notices. Any notice, request, demand or other communication required to be given or made in connection with this Agreement shall be (a) in writing, (b) delivered or sent (i) by hand delivery, evidenced by a signed, dated receipt, (ii) postage prepaid via certified mail, return receipt requested, or (iii) overnight delivery via a nationally recognized courier service, (c) deemed given or made on the date the delivery receipt was signed by a County employee, three (3) business days after it is mailed or one (1) business day after it is released to a courier service, as applicable, and (d)(i) if to the Department, to the attention of the Commissioner at the address specified above for the Department, (ii) if to an Applicable DCE, to the attention of the Applicable DCE (whose name the Firm shall obtain from the Department) at the address specified above for the County, (iii) if to the Comptroller, to the attention of the Comptroller at 240 Old Country Road, Mineola, NY 11501, and (iv) if to the Firm, to the attention of the person who executed this Agreement on behalf of the Firm at the address specified above for the Firm, or in each case to such other persons or addresses as shall be designated by written notice.

18. All Legal Provisions Deemed Included; Severability; Supremacy and Construction.

(a) Every provision required by Law to be inserted into or referenced by this Agreement is intended to be a part of this Agreement. If any such provision is not inserted or referenced or is not inserted or referenced in correct form then (i) such provision shall be deemed inserted into or referenced by this Agreement for purposes of interpretation and (ii) upon the application of either party this Agreement shall be formally amended to comply strictly with the Law, without prejudice to the rights of either party.

(b) In the event that any provision of this Agreement shall be held to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby. Unless the application of this subsection will cause a provision required by Law to be excluded from this Agreement, in the event of an actual conflict between the terms and conditions set forth above the signature page to this Agreement and those contained in any schedule, exhibit, appendix, or attachment to this Agreement, the terms and conditions set forth above the signature page shall control. To the extent possible, all the terms of this Agreement should be read together as not conflicting.

(c) Each party has cooperated in the negotiation and preparation of this Agreement. Therefore, in the event that construction of this Agreement occurs, it shall not be construed against either party as drafter.

19. Section and Other Headings. The section and other headings contained in this Agreement are for reference purposes only and shall not affect the meaning or interpretation of this Agreement.

20. Entire Agreement. This Agreement represents the full and entire understanding and agreement between the parties with regard to the subject matter hereof and supersedes all prior agreements (whether written or oral) of the parties relating to the subject matter of this Agreement.

21. Administrative Service Charge. The Firm agrees to pay the County an administrative service charge of Five Hundred and Thirty-Three dollars and no cents (\$ 533.00) for the processing of this Agreement pursuant to Ordinance Number 74-1979, as amended by Ordinance Number 201-2001. The administrative service charge shall be due and payable to the County by the Firm upon signing this Agreement.

22. Joint Venture.

(a) If the Firm is comprised of more than one legal entity or any group of partners or joint venturers associated for the purpose of undertaking this Agreement, each such entity acknowledges and hereby affirmatively represents and agrees that each has the power to bind the Firm and each of the others hereunder; and as such, each acts both as principal and agent of the Firm and of each of the others hereunder. Each further acknowledges and agrees that all such entities, partners or joint venturers associated for the purposes of undertaking this Agreement shall be jointly and severally liable to third parties, including but not limited to the County, for the acts or omissions of the Firm or any other entity, partner or joint venturer hereunder.

(b) If the Firm is comprised of more than one legal entity or any group of partners or joint venturers associated for the purposes of undertaking this agreement, each such entity acknowledges and hereby affirmatively represents and agrees that the respective rights, duties and liabilities of each hereunder shall be governed by the laws of the State of New York, including but not limited to the New York Partnership Law.

23. Executory Clause. Notwithstanding any other provision of this Agreement:

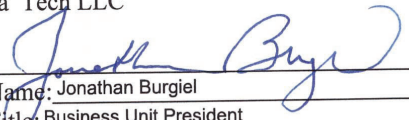
(a) Approval and Execution. The County shall have no liability under this Agreement (including any extension or other modification of this Agreement) to any Person unless (i) all County approvals have been obtained, including, if required, approval by the County Legislature, and (ii) this Agreement has been executed by the County Executive (as defined in this Agreement).

(b) Availability of Funds. The County shall have no liability under this Agreement (including any extension or other modification of this Agreement) to any Person beyond funds appropriated or otherwise lawfully available for this Agreement, and, if any portion of the funds for this Agreement are from the state and/or federal governments, then beyond funds available to the County from the state and/or federal governments.

{Remainder of page intentionally left blank}

IN WITNESS WHEREOF, the Firm and the County have executed this Agreement as of the date first above written.

Tetra Tech LLC

By: 
Name: Jonathan Burgiel
Title: Business Unit President
Date: 07/29/2021

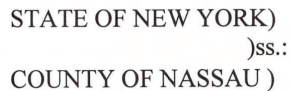
NASSAU COUNTY

By: _____
Name: _____
Title: Deputy County Executive
Date: _____

PLEASE EXECUTE IN BLUE INK

County of Nassau) ss.:
COUNTY OF NASSAU)

NOTARY PUBLIC



NOTARY PUBLIC

Exhibit A
Detailed Scope
Disaster Debris Monitoring Services
Basic Services of the Firm

I. SCOPE OF SERVICES

INTRODUCTION

Nassau County is prone to the potential for significant physical damage resulting from natural disasters such as hurricanes, tropical storms, post-tropical storms, nor'easters and other natural or manmade disasters and emergencies.

As a full-service community providing for the health and safety of public and private assets, efficient and effective collection, removal and disposal of debris is paramount following a disaster event. Therefore, the County intends to procure one or more highly experienced and highly qualified Disaster and Debris Monitoring Consultants to monitor and catalogue the collection and removal of debris.

Nassau County intends to enter into an agreement with a qualified firm(s) to provide consulting services in preparation for natural disasters, emergencies or other debris generating events. These services include, at no additional cost to the County, participation in annual workshops or planning meetings with County Representatives to establish or review applicable policies and procedures associated with disaster debris management and monitoring and provide the County with a full day training session on the most current FEMA Public Assistance Policy and Procedures Guidelines (PAPPG), FEMA 325 Public Assistance Debris Management Guide, FEMA 327, Public Assistance Debris Monitoring Guide, recent FEMA Disaster Specific Guidance (DSG) , and policy and procedure guides changes.

The Consultant must adhere to all requirements and regulations established by FEMA, the Federal Highway Administration (FHWA), New York State Department of Transportation (NYSDOT), New York State Division of Homeland Security and Emergency Services (NYSDHSES), New York State Emergency Management Office (SEMO), US Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Emergency Watershed Protection (EWP), U.S. Army Corps of Engineers (USACE) Nassau County, and any other governmental agency with jurisdiction over response and recovery actions. In the event of a disaster or emergency, the Consultant shall provide priority status, in the way of resources and individuals specified in the firm's proposal, to the County and be on-call to provide all support services necessary to ensure the safety and well-being of all residents and visitors to the County. The Consultant may also be called upon throughout the year to render services to assist the County with special needs and events other than full-scale disasters, as determined by the County Executive, or her designee.

The County retains the right to offer multiple contracts for these services from this RFP or any additional RFP for similar services they may deem necessary. The Consultant shall not charge nor will the County pay a "retainage fee" for the services requested in this RFP.

The resulting contracts are between Nassau County and the successful consultant whose proposal is deemed to be most advantageous to the County. It is the County's intent that these contracts be Federal Emergency Management Agency (FEMA) compliant and that this procurement be executed in accordance with Title 2 Code of Federal Regulation (2CFR) requirements to ensure

the County is eligible for the maximum eligible reimbursement provided for in accordance with the before noted policies and procedures. FEMA is not a participant in this contract and as such has no authority to direct or impede Consultant or Contractor's resources, that authority lies solely with Nassau County or its authorized representatives.

Nassau County is situated on Western Long Island, bordering New York City, the borough of Queens on the west, and Suffolk County on the east. The population of Nassau County is approximately 1,357,000 with 445,517 households. The County consists of approximately 284.72 square miles of area.

There are two (2) incorporated cities within Nassau County, Glen Cove and Long Beach; three (3) incorporated Towns, Hempstead, North Hempstead, and Oyster Bay and sixty-four (64) incorporated Villages along with sixty (60) unincorporated Hamlets. Any or all of the incorporated municipalities may participate in the terms and conditions of the resulting contract. If a local government requests to participate through the Cooperative Purchasing Agreement the Contractor is required to provide the requested services at the same rate and under the same terms and conditions as presented in this 2 CFR compliant RFP and resulting contract.

It is the intent of Nassau County to allow only local governments and other governmental agencies that meet the qualifications of an eligible sub-applicant as defined in FEMA's Public Assistance Program and Policy Guide (PAPPG) located within its jurisdictional boundaries to utilize this Contract by entering into a Cooperative Purchasing Agreement. The Cooperative Purchasing Agreement stipulates that any modifications or changes to this Contract and resulting contract(s) including but not limited to Consultant requirements, scope, or price be submitted to Nassau County in writing for acceptance and approval as originator of the Contract. Nassau County will be the origin of any and all Contract Amendments.

I. Definitions

Aerial Photographs means 8 1/2" x 11" color enlargements of multiple view (usually 3) aerial photographs of debris sites, located within Nassau County, for the purpose of documentation and measuring and calculating cubic yards. Printed on each photograph shall be the company name, date, time and name of location.

Beach Sand means rock material occurring in the form of loose, rounded or angular grains, varying in size from .06 mm to 2 mm in diameter, the particles being smaller than those of gravel and larger than those of silt or clay.

Choke Point means an inspection site where all trucks must pass.

County means the County of Nassau or the County Administration, for whom work is to be conducted pursuant to this RFP and contract.

Clean As You Go Policy means clearing all debris from each street or work zone on the first pass, whenever possible.

Construction and Demolition Debris (C&D Debris) means damaged components of buildings and structures such as lumber and wood, gypsum wallboard, glass, metal, roofing material, tile, carpeting and floor coverings, window coverings, plastic pipe, concrete, fully cured asphalt, heating, ventilation and air conditioning (HVAC) systems and their components, light fixtures, small

consumer appliances, equipment, furnishings and fixtures that are a result of a disaster event. (Note: This definition of C&D is for disaster recovery purposes.)

Consultant (or “Contractor”) means the successful Proposer, whether a corporation, partnership, individual or any combination thereof, and its successors, personal representatives, executors, administrators and assignees.

Debris Management Contractor (DMC) means the Contractor under contract with the County to provide Disaster Debris Management services and its subcontractors.

Debris Removal Manager means the County’s representative duly authorized by the County Administration, County Executive, or Commissioner of the Department of Public Works Director to provide direction to the DMC regarding services provided pursuant to this RFP and resulting contract.

Citizens Convenience Site (Drop-off Site) means a site established for valid residents of Nassau County to drop off storm debris associated with the event Sites may be designated to accept only specific waste streams.

Electronic Waste (E-Waste) means loosely discarded, damaged, obsolete, or broken electrical or electronic devices including, but not limited to, computers, computer monitors, televisions, and microwaves.

Eligible Debris as determined by FEMA’s Public Assistance (PA) Program and Policy Guide means debris resulting from a Presidentially declared disaster whose removal, as determined by the County Executive or his designee, is in the public interest because it is necessary to (1) eliminate immediate threats to life, public health and safety; (2) eliminate immediate threats of significant damage to improved public or private property; or (3) ensure economic recovery of the affected community to the benefit of the community at large.

Eligible Small Motorized Equipment means household lawn and home maintenance equipment that is powered and lubricated by a petroleum-based oil and fuel and the recovery and disposal of these flammable and combustible liquids is regulated.

Federal Aid Eligible Roads means roads that are paved, gravel or dirt and are eligible for repair or replacement. Roads not eligible for public assistance are private, homeowner association and roads that fall under the authority of the Federal Highway Administration.

NYDEC means the New York Department of Environmental Conservation.

NYSDOT means the New York State Department of Transportation.

FEMA means the Federal Emergency Management Administration.

FHWA means the Federal Highway Administration.

Global Positioning System (GPS) means a global navigation satellite system that provides location and time information in all weather conditions, anywhere on or near the Earth, where there is an unobstructed line of sight to four or more GPS satellites.

Hazardous Limbs means broken limbs or branches that are 2 inches or larger in diameter (measured at the point of break) that is hanging over improved property or public-use areas, such as trails, sidewalks, or playgrounds if it could fall and cause injury or damage to improved property and pose an immediate threat to public health and safety.

Hazardous Stump means an uprooted tree or stump (i.e., 50% or more of the root ball is exposed) on a public right-of-way, improved public property or improved property owned by certain private nonprofit organizations, and the exposed root ball poses an immediate threat to life, public health and safety.

Hazardous Tree means incident-damaged trees with a diameter of 6 inches or greater measured 4.5 feet above ground level, and the tree meets one of the following eligibility criteria; split trunk, broken canopy, leaning at an angle greater than 30 degrees, heartwood exposed, broken root flare.

Hazardous Waste means materials and products from institutional, commercial, recreational, industrial, and agricultural sources that contain certain chemicals with one or more of the following characteristics, as defined by the U.S. Environmental Protection Agency: 1) toxic; 2) flammable; 3) corrosive; and/or 4) reactive, in accordance with Environmental Protection Agency (EPA) Section for toxic, flammable, corrosive reaction Resource Conservation and Recovery Act (RCRA) Subtitle C 40 CFR Part 260.

Household Hazardous Waste means used or leftover contents of consumer products that contain chemicals with one or more of the following characteristics, as defined by the U.S. Environmental Protection Agency: 1) toxic; 2) flammable; 3) corrosive; and/or 4) reactive. Examples of Household Hazardous Waste include small quantities of normal household cleaning and maintenance products, latex and oil-based paint, cleaning solvents, gasoline, oils, swimming pool chemicals, pesticides, and propane gas cylinders in accordance with Environmental Protection Agency (EPA) Section for toxic, flammable, corrosive reaction Resource Conservation and Recovery Act (RCRA) Subtitle C 40 CFR Part 260.

Local Employee means any Consultant employee residing within Nassau County.

Mixed Debris means a mixture of various types of debris including, but not limited to, C&D Debris, White Goods, E-Waste, Household Hazardous Waste, metals, abandoned vehicles, tires, etc.

Notice to Proceed means the written notice given by the County Executive, or her designated representative, to Consultant of the date and time for work to start.

NRCS means Natural Resources Conservation Service

OSHA means the U.S. Department of Labor’s Occupational Safety and Health Administration.

PAPPG means FEMA’s Public Assistance (PA) Program and Policy Guide

Project Manager means the individual appointed annually by Consultant to be the County’s primary point-of-contact and who is responsible for all services and personnel that are provided by Consultant pursuant to this RFP and contract.

Proposer means any person, partnership or corporation submitting a proposal pursuant to this RFP.

Putrescent Waste means organic waste that decays such food waste or animal carcasses.

Temporary Debris Management Site (TDMS) means a location where collected debris is, temporarily stored, reduced, segregated, and/or processed prior to final disposal.

Vegetative Debris means clean, woody debris and other organic materials that can be chipped and mulched.

White Goods Requiring CFC Removal means all appliances; including, but not limited to, refrigerators, freezers, and HVAC units with CFC’s intact and requiring removal, storage and disposal in compliance with U.S. Environmental Protection Agency Clean Air Act Section 608 & 609 regulations: Standards for Stationary AC/Refrigerant Service (608), EPA, 40 CFR Part 82, Subpart F.

White Goods means all appliances; including, but not limited to, refrigerators, freezers, stoves, washers, dryers and HVAC units.

II. Project Description

The designated area for monitoring Consultant or County forces debris removal is bounded by the County’s jurisdictional boundaries and includes public property and Right-of-Ways (“ROWS”), easements, County parks, and County debris staging areas within the unincorporated areas of the County and may include private and orphan road segments within the jurisdictional boundaries of the County. Any debris removal performed on municipal roadways will be performed as identified and directed by the County Debris Manager or his authorized representative. The County Debris Manager or his authorized representative may also authorize the Consultant to monitor Contractor performing debris removal on New York Department of Transportation roadways NOT eligible for FHWA reimbursement or other areas as directed in writing by the County Debris Manager or his authorized representative.

The Consultant may be tasked with monitoring debris removal, reduction/management and disposal of eligible storm debris on designated non-FHWA routes on the New York State System Roads within the jurisdictional boundaries of Nassau County. A separate Task Order will be issued for this work. All Consultants’ associated cost to manage, monitor and document the work, including load

tickets, debris management, reduction and final disposal, manifest and weight tickets, shall be tracked and invoiced separate from all other work.

NYS Department of Transportation crews or their designated contractors will remove debris from FHWA eligible routes. The Consultants' monitoring personnel should not allow the County Debris Contractor to enter these routes and perform debris removal. The Consultants' monitoring personnel should not allow the Contractor to remove debris from the ROW on Interstate routes, US-designated routes, NYS-designated routes or secondary routes eligible for FHWA reimbursement.

Project Summary and Task Orders

Provide Disaster Debris Monitoring Services on an as-needed basis. Assist in the monitoring of disaster debris collection and disposal operations within its jurisdictional boundaries ensuring compliance with Federal (FEMA and FHWA) requirements and County debris management plans as related to Debris Removal Consultant(s) oversight, truck certification, load ticket preparation and issuing, report precreation, and project administration..

In advance of a potential storm impact, the County will issue (via electronic means) a Task Order Request to the Consultant Firm. The Task Order Request will include a deadline (date/time) for responding with the requested information.

Official written Task Order(s) for the services referenced in this contract will be issued by the County. The Task Order shall be sent via facsimile or email followed by regular mail. Under no circumstances shall the County be liable for any services rendered unless the written Task Order has been sent and received by the Consultant. Consultant must acknowledge receipt of the written Task Order. The County makes not guarantee as to the estimated quantities listed in the Price Schedule. The Contractor may be tasked to perform only specific line items at specified quantities below or above the estimate quantity.

The Consultant shall commence debris Monitoring services within twenty-four (24) hours of issuance of Notice to Proceed. The County may issue a Notice to Proceed twenty-four (24) to seventy-two (72) hours prior to a storm event, depending upon the magnitude of the event, in order to allow sufficient time to prepare for commencement of operations. All personnel and equipment is to be checked-in with the County Debris Monitoring Manager.

III. Scope of Work

The County intends to procure the services of qualified Consultants or individuals with extensive knowledge and background in providing disaster debris management and monitoring services to include all management, supervision, labor, transportation, and equipment necessary to imitate load tickets at debris loading sites, estimate the volume of debris being delivered to the DMS(s) and disposal site(s), and support the operations of the field supervisor(s), debris loading and observation tower monitors and clerical staff. Management and monitoring services may include eligible debris generated from the public

rights-of- way, private property, drainage structures, public use areas, parks, County and other eligible local government public facilities. These Disaster Debris Monitoring Services include but are not limited to:

- Coordinating daily briefings, work progress, staffing, and other key items with the County Debris Manager or his authorized representative and Debris Removal Contractor.
- Scheduling work with all team members and contractors on a daily basis.
- Hiring, scheduling, and managing field staff.
- Monitoring debris removal contractor operations and making/implementing recommendations to improve debris removal and monitoring efficiency to expedite recovery work.
- Assisting the County with responding to public concerns and comments.
- Certifying contractor hauling units for debris removal and final disposal using methodology and documentation practices as provided in Federal Emergency Management Agency (FEMA)/October 2010, Public Assistance Debris Monitoring Guide.
- Entering load tickets into a monitoring Consultant provided database application (Automated Debris Management System).
- Digitization of source documentation (such as load tickets).
- Developing daily operational reports to keep the County informed of work progress. Refer to Section D for reports and documentation requirements.
- Development of maps, GIS applications, etc. as necessary.
- Comprehensive review, reconciliation, and validation of debris removal contractor(s) invoices prior to submission to the County for processing.
- Assimilation of County's copies (original and loading site monitor) of load tickets, Daily Debris Loading Site Monitor Log and Daily report, TDMS Monitoring Log, debris removal Contractor Truck Certification, Daily Debris Collection Summary Spreadsheet and any other documents in support of Debris Removal and Debris Monitoring Project Worksheets.

The Debris Monitoring Consultant may also be requested to provide the following services if tasked by the County:

- Procurement assistance for debris removal contractors and other services as requested.
- Selection and permitting of Temporary Debris Management Sites (TDMS(s) locations and any other permitting/regulatory issues as necessary,
- Project management to include the formulation and management of permanent work projects, task force management, and County Commissions, Boards and Committees.
- Technical support and assistance in developing public information.
- Other training and assistance as requested by the County.
- Other reports and data as may be required by the County.
- Other debris management/consulting services identified/required and tasked by the County.

If requested, the debris monitoring Consultant may be tasked to assist with post-disaster damage assessment services for support of the Preliminary Disaster Assessment (PDA).

Scope of Services for Debris Monitoring

Provide debris monitors and debris monitoring services to assist Nassau County with monitoring Contractors' debris removal, management and reduction activities, and disposal operations. The services are debris removal contract compliance, documentation of contractors' field and Debris Management Site(s) (DMS) activities, coordination and inspection. All debris monitoring activities are to be in compliance with FEMA Public Assistance Policy and Procedures Guide, FEMA 321, FEMA 322, FEMA 325, FEMA 327, FEMA Recovery Policy 9500 series, event issued Disaster Specific Guidance, FHWA Emergency Relief Program grant requirements, 2 C.F.R., NRCS Emergency Watershed grant requirements, and local, state and federal guidelines.

Nassau County will issue individual Task Orders for the desired scope of services. The County may select, in conjunction with the Contractor, what services and personnel are required to efficiently and effectively complete the Task Order.

All debris monitoring shall be accomplished by utilizing an Automated Debris Management System (ADMS). The ADMS must meet the following performance capabilities, characteristics and functionality:

A. Truck certification is used to register debris hauling vehicles and equipment. At a minimum, the following must be included:

- A means of electronically registering debris contractor vehicles and equipment
- Link electronic registration to digital images
- Identify Event Specific/Federal Declaration Number assigned to State and client contract number and Task Order
- Generate unique ID's for contractor vehicles and equipment
- Utilize uniform measurements e.g. feet and inches to calculate vehicle volume
- Capture driver's and certification team member's unique identification numbers
- Capability to recertify vehicles and record in an audit table
- Certification data must be associated to authorized system user
- Reject vehicles which are not associated with current Task Order/contract
- Capture vehicle audit records
- Create a printed certification record
- Provide administrative reporting capabilities of all data and digital images through documents and web services

B. The ticket/tower applications must incorporate system operator credentials. At a minimum, this should include:

- Ticket/tower monitor electronic registration
 - Generate unique ID's for registrants
 - Link designated ticket/tower personnel roles to a specific Task Order
 - The ability to edit ticket/tower personnel roles i.e., create, update and delete
 - Store ticket/tower personnel contact information relative to the Task Order
 - Track and Manage ticket/tower personnel role and status
 - Reject invalid ticket/tower personnel credentials
- C. The system must generate an electronic load ticket at the point of debris loading into the transport container. Any method of ticket generation (smart card, RFID, or other electronic methods) is acceptable, provided ticket issue is controlled. At a minimum, the system must produce a load ticket data record including the following characteristics:
- Location of loading point
 - Date and time of ticket initiation
 - Truck identification
 - Mission/Contract number
 - Ticket initiator personnel credentials
 - Acknowledge successful data capture
 - Record digital images of debris, location, and / or other images selected by user.
 - Records Right of Entry or work order number, if applicable
- D. Completed Right-of-Way (ROW), Right-of-Entry (ROE) and Per-Unit point of origin transactions must be received at the approved disposal site. At a minimum, the disposal site management application must provide the capability to:
- Identify site configuration data such as, but not limited to, name, location, debris type, etc. at the beginning of each workday
 - Display certification data and photo for ticket/tower personnel to perform a field audit of truck/trailer to assure they matches certification and placard number
 - Designate debris type
 - Record debris volume (based on unit of measure for the contract task order)
 - Create load data record in internal storage
 - Continuously calculate and present real-time disposal site statistics
 - print load ticket receipts for backup and auditing purposes
 - Store data locally and transmit transaction data as quickly as possible based on communication availability
 - Associate ticket/tower personnel credentials with each received load
- E. Other Miscellaneous requirements
- No debris paper load tickets will be allowed. All load tickets must be submitted in electronic format. (debris type, load call, and ROE number) are

manually entered

- Uses Global Positioning System (GPS) & Geographic Information System (GIS) technologies to automatically determine the most direct haul route from loading site to disposal site and records mileage
- Evaluation of event status in real-time using web-based GIS and performance tracking/dashboard software, production information, and performance information using web-based reporting, and off the shelf software. This information reporting is to include the provision of web-services. All GIS information must be compatible with the County's GIS system.
- Coordination of contractor invoices, FEMA documentation and applicant payment processes enabled through an integrated database management system. This database system will provide web-services that enable application-to-application interaction.

F. Perform administrative functions, verify vehicle audit information, display real-time collection volumes, and review ticket/tower personnel GPS audit logs. At a minimum, the field administrative applications must provide the capability to:

- Change ticket/tower personnel identification badge roles and responsibilities
- Review total CY counter value
- Audit vehicle certification data
- Validate/Invalidate equipment and personnel
- Reinitiate security sequence for ticket/tower personnel
- In tabular format, display the results of ticket/tower GPS audit files by limiting access to the internet data

G. Provide specified data below, which may include but is not limited to:

- Debris Hauled by Waste Stream (Daily and Accumulative)
- Percentage complete per Pass
- Debris Reduced (Daily and Accumulative)
- Debris Loads (Daily and Accumulative)
- Number of Crews

H. Transactional data must be summarized, validated, presented and audited to provide an overall status of mission performance. The Data Consolidation applications must facilitate billing, error reporting, performance tracking and graphical data preparation. At a minimum, the Data Consolidation tools must provide the capability to:

- Accept transactional data sets from multiple debris location systems
- Recognize multiple mission/applicant configurations
- Grant access to authorized authenticated users or processes
- Enable application-to-application interaction through web-services
- Contain a master record of:
 - Roles and responsibilities
 - Ticket/tower personnel credentials and other data

- Certification credentials and other data
 - Mission data
 - Applicant data
 - Geospatial data
- Thematic mapping techniques to distinguish different data by color and/or symbol
- Identify data attributes for a single point of data
- Select one or many points of data
- Calculate operational efficiency statistics such as:
 - Trip turnaround time
 - Trip distance to disposal site (straight line projection)
 - Average container fill percentage
 - Average tower manager load call
 - Load call trend data e.g., by tower managers, contractor, subcontractor, driver, etc.
- Multiple data selections generate tabular data reports
- Filter mechanisms to highlight geospatial data
- Role based security
- Prevent distributed data from being reprocessed for billing purposes
- Identify billing data sets based on parameters such as:
 - Time/Date
 - Contractor/Subcontractor
 - Debris type - Debris disposal method (haul-in, reduction, open burn, incineration, haul-out, leave in place, etc.)
 - Haul distance
- Prevent modification to original data by unauthorized or unauthenticated users
- Insert audit records for modifications to original data by authorized, authenticated users

I. Web services must be provided to fulfil administrative reporting capabilities. At a minimum, the web services should include:

- Access to data elements outlined in paragraphs a, e, g, and h.
- Authentication and authorization methods which allow for a process to make requests in accordance with the authentication and authorization listed.
- Utilization of the Representation State Transfer (REST) software architectural style
- Web service Application Programming Interface (API) that adhere to REST architectural constraints.
- Documentation of this REST API which outlines the architecture and includes instructions for performing queries on data elements.
- Standard Hypertext Transfer Protocol (HTTP) methods, including but not limited to, GET, POST, PUT, PATCH and DELETE. HTTP methods that return responses in Hypertext Markup Language (HTML), JavaScriptObject Notation

Pre-Event Requirements

Consultant will provide assistance in preparation for disasters through participation in meetings and workshops and the establishment of data management and other integrated systems.

Consultant will provide at no cost to the County a day debris management training session that meets at a minimum the requirements for debris monitors as outlined in the FEMA 327 Public Assistance Debris Monitoring Guide.

Post –Event Requirements

Consultant will assist with load inspections of eligible disaster debris removal being performed by one or more debris hauling and disposal contractors or County agencies.

Consultant shall supply sufficient numbers of trained monitors and field supervisors to accommodate the volume of debris to be removed at loading sites, DMS(s) and final disposal sites.

The Consultants' resources and cost should be proportional to the eligible debris required to be removed.

Consultant shall provide one field supervisor to oversee no more than ten (10) loading, DMS, or final disposal site(s) monitors. The COUNTY DEBRIS MANAGER or his authorized representative will approve the numbers of specific personnel assigned to the project by issuance of a Task Order.

Consultant shall remove and replace employees immediately upon written notice from the County, County Debris Manager or his authorized representative for conduct or actions not in keeping with this contract. Consultant's personnel are expected to be safe, courteous, and professional in the manner by which they interact with the debris removal contractors' personnel, general public and County's personnel.

Personnel Requirements and Responsibilities

A. Debris Monitoring Field Supervisor

Consultant will provide one (1) debris monitoring field supervisor for no more than ten (10) loading site monitors. Services included, but not limited to:

1. Overseeing and supervising loading site and disposal site debris monitoring activities
2. Scheduling debris monitoring resources and deployment times
3. Coordinating daily activities and future planning
4. Communicating and coordinating with County and County Debris Manager
5. Providing suggestions and implementing improvement measures to expedite project completion

6. Identifying, addressing, and troubleshooting any questions or problems that could affect work area safety and eligibility
7. Supervising the accurate measurement of loading units' compartments and accurately computing volume capacity in cubic yards, accurately completing and assimilating all Truck Certification forms and digital photo documentation into a master logbook
8. Compiling, reconciling, and documenting daily, in electronic format, all eligible debris, by category, hauled by the debris removal contractor

B. Debris Loading Site Monitor

Consultant shall provide on-site street level debris monitoring at all debris removal contractor loading sites to verify eligibility based on monitoring contract's requirements and initiate debris removal documentation using load tickets. Services shall include, but not limited to:

1. Providing trained debris monitoring personnel at designated loading sites to check and verify information on debris removal operations
2. Constant observation of the collection activities of contractor's crews and equipment
3. Issuing load tickets
4. Checking the area for safety considerations such as power lines, utilities, citizen on-lookers, and maintenance of traffic as prescribed in the Manual of Uniform Traffic Control Devices(MUTCD)
5. Ensuring that the debris removal contractor crews are not comingling debris categories as trucks are loaded
6. Perform a pre-loading inspection of the area to identify potential loading issues created by utilities, document existing damage to utilities, and document damages by contractor to utilities and homeowner personal property within the ROW Properly monitor and record performance and productivity of debris removal crews
7. Ensure that loads are contained properly before allowing debris loaded trucks leave the site
8. Ensure only eligible debris is loaded by the debris removal crews
9. Ensure crews remove all eligible debris from the loading site area before allowing them to move to another loading site.

C. TDMS/Tower Monitors

Consultant shall provide debris tower and Temporary Debris Management Site (TDMS) monitors to verify estimated quantities of eligible debris hauled by the debris removal contractor(s) and documented on load tickets. Services include, but not limited to:

1. Provide trained debris monitoring personnel to perform and complete required Truck Certifications forms by accurately measuring load hauling units'

- compartments and accurately computing volume capacity in cubic yard for all contractor hauling units prior to the start of debris removal operations by the debris removal contractor and conducting random Re-Certification of contractors' trucks during the life of the project.
2. Completing record of contract haulers' cubic yardage and other record keeping as required by the contract or county debris project manager
3. Signing each load ticket of eligible debris presented at the TDMS entrance observation tower before allowing the truck to proceed to the appropriate off-loading area within the DMS
4. Remain in regular contact with the Field Monitoring Supervisor and the DMS Field Supervisor tower field supervisor.
5. Assist the TDMS Field Supervisor as needed to conduct TDMS daily hazard analysis inspections with the debris removal contractor.

D. Data Management Supervisor

Consultant shall provide a Data Management supervisor to coordinate data entry and information management systems. Services include but are not limited to:

1. Supervising the preparation of detailed estimates and submitting them to the County Debris Manager or his authorized representative.
2. Implementing and maintaining a disaster debris management system linking the load ticket and debris management site information, including reconciliation and photographic documentation processes
3. Providing daily, weekly, or other periodic reports for the County Debris Manager or his authorized representative noting work progress and efficiency, current/revised estimates, project completion, and other schedule forecast/updates

E. Clerical Staff/Data Entry Clerk

Consultant shall provide clerical staff/data entry clerk(s) as required to accurately monitor and provide QA/QC over data entry information in the consultant's information management systems (ADMS) and to respond to specific directions from data entry supervisor.

F. GIS Technician

Consultant shall provide GIS mapping services in support of data entry and documenting the debris removal contractors' progress in completing the project, location origin of hazardous trees, limbs and stumps, and document off-loading locations of debris by category within TDMS(s), and other mapping and geocoding as may be requested by the County Debris Manager or his authorized representative. The Consultant's GIS Technician will coordinate with the GIS staff of the Nassau County Department of Public Works and Department of Information Technology.

Required Documentation and Reports

The Consultant shall provide all documentation as required to support the progress of the debris removal contractor, monitors, and the general progress of the project. The following is a list of reports, who is responsible for providing information in support of the reports and the accuracy of the reports. Please provide samples of each required report listed below.

A. Project Manager's Daily Report

The project manager must document time in accordance with Disaster Assistance Policy (DAP) 9525.6, Project Supervision and Management and Supervision cost differ from eligible debris monitoring cost and shall be accounted for with a level of documentation sufficient to meet reasonableness of effort and cost requirements. The Project Manager will be expected to participate in the Daily Debris Operations meetings with the debris removal Contractor's project manager, County Debris Manager or his authorized representative. Daily meeting topics will include, but not limited to:

- Volumes of each debris category collected
- Number of each debris category monitor confirmed to have worked the previous day, presently working in the project area and their location
- Geographic areas where debris has been removed and the "pass" associated with work
- CONSULTANT'S overall progress in completing all Task Orders and estimated completion date
- Any CONSULTANT'S coordination issues relating to the CONTRACTOR or COUNTY Representatives
- Debris collection and DMS(s) Site Hazard Analysis/Inspection Report issues and concerns
- Damage Claims Report and confirmation of CONTRACTOR'S progress in closing out claims

A written Daily Report shall be submitted to the County Debris Manager or his authorized representative each morning prior to the meeting. Frequency of meetings may be adjusted by the COUNTY DEBRIS MANAGER. CONSULTANT's Project Manager must be available twenty-four (24) hours-day, or as required by the County Debris Manager or his authorized representative.

The Project Manager is responsible for providing a written summary report each morning prior to the required Daily Debris Operations Meeting. The report shall include but not limited to the items listed above and a copy of the following documents and reports.

B. Loading Monitors Field Supervisor Daily Report

Loading Monitors' Supervisor's daily report shall be filled out each day of work by the loading site field supervisor. The report shall include but is not limited to work time

with the start, lunch time taken and ending time indicated, debris removal category monitoring, names of each monitor under your direct supervision, areas worked, and issues encountered.

C. Load Tickets (As a backup for non-functioning ADMS unit)

Each loading site monitor shall have adequate load tickets to support his loading crew(s) for the entire workday. Load tickets will be initiated at the loading site by the loading site monitor, given to the debris hauler transporting the debris to the DMS or County approved final disposal site, transferred to the DMS tower monitor or final disposal facility monitor for completion. The tower/facility monitor is responsible for QA/QC of the ticket and ensuring the ticket is transferred to the DMS Field Supervisor or data entry personnel. Time and expense of correcting incomplete and inaccurate load tickets initiated by the Consultants monitors is the responsibility of the Consultant.

D. Truck Certification Forms

Truck Certification Forms shall be calculated and completed by the Consultant's Project Manager, Field Supervisors or other qualified Consultant representative in conjunction with the Debris Removal Contractors representative(s). Debris Removal Contractors shall not certify trucks but may assist the Consultant's representative.

E. Load Site Monitor's Daily Report/ Ticket Log

The loading site monitor's daily report shall be filled out each day of work by each loading site monitor. The report shall include but is not limited to work time with the start, lunch time taken and ending time indicated, debris removal category monitoring, name of supervisor monitor reports to, areas worked, and issues encountered. The report shall also list each unique ticket number and debris category on all load tickets initiated including voided tickets.

F. DMS Monitor's Report/Ticket Log

DMS Monitor's Daily Report shall be completed each day of work by each DMS monitor. The report shall include but is not limited to work time with start, lunch time.

taken and ending time indicated, debris category monitoring, and issues encountered. A Daily Debris Tower/Site Monitoring Log similar to the one listed in FEMA 327, Appendix B; Figure B-4 that captures the same information in addition to listing the loading site monitor that initiated the load ticket may be used.

G. TDMS(s) Field Supervisors Report

DMS(s) Monitors' Supervisors Daily Report shall be completed each day of work by the loading site supervisor. The report shall include but is not limited to work time with start, lunch time taken and ending time indicated, names of each monitor under your direct supervision, TDMS(s)/Final Disposal

Facility under your direct supervision worked, and issues encountered. Note any TDMS Site Hazard Analysis issues noted for that day's inspection of the DMS.

H. Data Entry Staff Daily Report

The Data Entry Daily Staff Report shall be completed each workday by the Data Management/Clerical Supervisor. The report shall include but is not limited to work time with start, lunch time taken and ending time indicated for each data entry staff person working on this project, the number of tickets entered, and number of un-reconciled tickets. The total number of reconciled tickets shall be listed by debris category. Denote any issues regarding monitors inability to correctly initiate and complete a load ticket, missing tickets and corrected tickets.

I. Debris Collection Summary Sheet

The Debris Collection Summary Sheet shall be completed each day of work by the Data Entry Supervisor and confirmed accurate by the Consultant's Project Manager.

J. GIS Daily Report

The GIS Daily Report shall be completed each workday by the supervising GIS technician each day of work. The report shall include but is not limited to: work time with start, lunch time taken and ending time indicated for each GIS staff person working on this project, the total number of hazardous trees, limbs, and stumps geocoded during the work day and a listing of maps produced for the project, any issues encounter regarding information submitted from field staff and measures taken to correct any data. Operations will be tracked in real-time using GIS software and mobile devices which will be used by the Contractor to maintain a public and password-protected webmap.

APPENDIX B

PAYMENT SCHEDULE

Amount of Consideration. Payments to be paid to the Contractor as full consideration for the Contractor's Services under this Agreement, inclusive of all labor, overhead and other direct costs, shall not exceed **One Million Dollars (\$1,000,000.00)** per year, and shall be payable as follows, and in accordance with the Detailed Scope (Exhibit "A"), all payable upon submission of claim Vouchers and other documentation by the Contractor in accordance with this Agreement and all applicable policies and requirements. Pricing to be all inclusive, to include but not limited to, lodging, subsistence, mobilization/demobilization, support equipment to efficiently execute the contract. Payments will be calculated based on actual hours of services provided for each category.

Appendix "B". Payment Schedule

Item	Description	Unit	Unit Price
Utilization of ADMS Monitoring			
I.I	Project Manager with vehicle	Hour	\$ 85.00
1.2	Operations Manager with vehicle	Hour	\$ 72.00
1.3	Scheduler/Expeditor	Hour	\$ 42.00
1.4	GIS Analyst	Hour	\$ 65.00
1.5	Field Supervisor with vehicle	Hour	\$ 58.00
1.6	Debris Loading Site Monitor with vehicle	Hour	\$ 38.00
1.7	Temporary Debris Management Site Lead Monitor	Hour	\$ 38.00
1.8	Temporary Debris Management Site Monitor	Hour	\$ 38.00
1.9	Citizens Convenience Site Monitor	Hour	\$ 38.00
1.10	ADMS <i>QNQC</i> Operations Manager with vehicle	Hour	\$ 68.00
1.11	Data Manager	Hour	\$ 60.00
1.12	Billing/Invoice Analysts	Hour	\$ 54.00
1.13	Admin Assistant	Hour	\$ 40.00

APPENDIX EE

EQUAL EMPLOYMENT OPPORTUNITIES FOR MINORITIES AND WOMEN

The provisions of this Appendix EE are hereby made a part of the document to which it is attached.

The Contractor shall comply with all federal, State and local statutory and constitutional anti-discrimination provisions. In addition, Local Law No. 14-2002, entitled "Participation by Minority Group Members and Women in Nassau County Contracts," governs all County Contracts as defined herein and solicitations for bids or proposals for County Contracts. In accordance with Local Law 14-2002:

- (a) The Contractor shall not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, age, disability or marital status in recruitment, employment, job assignments, promotions, upgradings, demotions, transfers, layoffs, terminations, and rates of pay or other forms of compensation. The Contractor will undertake or continue existing programs related to recruitment, employment, job assignments, promotions, upgradings, transfers, and rates of pay or other forms of compensation to ensure that minority group members and women are afforded equal employment opportunities without discrimination.
- (b) At the request of the County contracting agency, the Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, union, or representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability, or marital status and that such employment agency, labor union, or representative will affirmatively cooperate in the implementation of the Contractor's obligations herein.
- (a) The Contractor shall state, in all solicitations or advertisements for employees, that, in the performance of the County Contract, all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.
- (b) The Contractor shall make best efforts to solicit active participation by certified minority or women-owned business enterprises ("Certified M/WBEs") as defined in Section 101 of Local Law No. 14-2002, for the purpose of granting of Subcontracts.
- (c) The Contractor shall, in its advertisements and solicitations for Subcontractors, indicate its interest in receiving bids from Certified M/WBEs and the requirement that Subcontractors must be equal opportunity employers.
- (d) Contractors must notify and receive approval from the respective Department Head prior to issuing any Subcontracts and, at the time of requesting such authorization, must submit a signed Best Efforts Checklist.
- (e) Contractors for projects under the supervision of the County's Department of Public Works shall also submit a utilization plan listing all proposed Subcontractors so that, to the greatest extent feasible, all Subcontractors will be approved prior to commencement of work. Any additions or changes to the list of subcontractors under the utilization plan shall be approved by the Commissioner of the Department of Public Works when made. A copy of the utilization plan shall be submitted to the Department of Public Works.

plan any additions or changes thereto shall be submitted by the Contractor to the Office of Minority Affairs simultaneously with the submission to the Department of Public Works.

- (f) At any time after Subcontractor approval has been requested and prior to being granted, the contracting agency may require the Contractor to submit Documentation Demonstrating Best Efforts to Obtain Certified Minority or Women-owned Business Enterprises. In addition, the contracting agency may require the Contractor to submit such documentation at any time after Subcontractor approval when the contracting agency has reasonable cause to believe that the existing Best Efforts Checklist may be inaccurate. Within ten working days (10) of any such request by the contracting agency, the Contractor must submit Documentation.
- (g) In the case where a request is made by the contracting agency or a Deputy County Executive acting on behalf of the contracting agency, the Contractor must, within two (2) working days of such request, submit evidence to demonstrate that it employed Best Efforts to obtain Certified M/WBE participation through proper documentation.
- (h) Award of a County Contract alone shall not be deemed or interpreted as approval of all Contractor's Subcontracts and Contractor's fulfillment of Best Efforts to obtain participation by Certified M/WBEs.
- (i) A Contractor shall maintain Documentation Demonstrating Best Efforts to Obtain Certified Minority or Women-owned Business Enterprises for a period of six (6) years. Failure to maintain such records shall be deemed failure to make Best Efforts to comply with this Appendix EE, evidence of false certification as M/WBE compliant or considered breach of the County Contract.
- (j) The Contractor shall be bound by the provisions of Section 109 of Local Law No. 14-2002 providing for enforcement of violations as follows:
 - a. Upon receipt by the Executive Director of a complaint from a contracting agency that a County Contractor has failed to comply with the provisions of Local Law No. 14-2002, this Appendix EE or any other contractual provisions included in furtherance of Local Law No. 14-2002, the Executive Director will try to resolve the matter.
 - b. If efforts to resolve such matter to the satisfaction of all parties are unsuccessful, the Executive Director shall refer the matter, within thirty days (30) of receipt of the complaint, to the American Arbitration Association for proceeding thereon.
 - c. Upon conclusion of the arbitration proceedings, the arbitrator shall submit to the Executive Director his recommendations regarding the imposition of sanctions, fines or penalties. The Executive Director shall either (i) adopt the recommendation of the arbitrator (ii) determine that no sanctions, fines or penalties should be imposed or (iii) modify the recommendation of the arbitrator, provided that such modification shall not expand upon any sanction recommended or impose any new sanction, or increase the amount of any recommended fine or penalty. The Executive Director, within ten days (10) of receipt of the arbitrators award and recommendations, shall file a determination of such matter and shall cause a copy of such determination to be served upon the respondent by personal service or by certified mail return receipt requested. The award of the arbitrator, and the fines and penalties imposed by the Executive Director, shall be final determinations and may only be vacated or modified as provided in the civil practice law and rules ("CPLR").

- (k) The contractor shall provide contracting agency with information regarding all subcontracts awarded under any County Contract, including the amount of compensation paid to each Subcontractor and shall complete all forms provided by the Executive Director or the Department Head relating to subcontractor utilization and efforts to obtain M/WBE participation.

Failure to comply with provisions (a) through (k) above, as ultimately determined by the Executive Director, shall be a material breach of the contract constituting grounds for immediate termination. Once a final determination of failure to comply has been reached by the Executive Director, the determination of whether to terminate a contract shall rest with the Deputy County Executive with oversight responsibility for the contracting agency.

Provisions (a), (b) and (c) shall not be binding upon Contractors or Subcontractors in the performance of work or the provision of services or any other activity that are unrelated, separate, or distinct from the County Contract as expressed by its terms.

The requirements of the provisions (a), (b) and (c) shall not apply to any employment or application for employment outside of this County or solicitations or advertisements therefor or any existing programs of affirmative action regarding employment outside of this County and the effect of contract provisions required by these provisions (a), (b) and (c) shall be so limited.

The Contractor shall include provisions (a), (b) and (c) in every Subcontract in such a manner that these provisions shall be binding upon each Subcontractor as to work in connection with the County Contract.

As used in this Appendix EE the term “Best Efforts Checklist” shall mean a list signed by the Contractor, listing the procedures it has undertaken to procure Subcontractors in accordance with this Appendix EE.

As used in this Appendix EE the term “County Contract” shall mean (i) a written agreement or purchase order instrument, providing for a total expenditure in excess of twenty-five thousand dollars (\$25,000), whereby a County contracting agency is committed to expend or does expend funds in return for labor, services, supplies, equipment, materials or any combination of the foregoing, to be performed for, or rendered or furnished to the County; or (ii) a written agreement in excess of one hundred thousand dollars (\$100,000), whereby a County contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon. However, the term “County Contract” does not include agreements or orders for the following services: banking services, insurance policies or contracts, or contracts with a County contracting agency for the sale of bonds, notes or other securities.

As used in this Appendix EE the term “County Contractor” means an individual, business enterprise, including sole proprietorship, partnership, corporation, not-for-profit corporation, or any other person or entity other than the County, whether a contractor, licensor, licensee or any other party, that is (i) a party to a County Contract, (ii) a bidder in connection with the award of a County Contract, or (iii) a proposed party to a County Contract, but shall not include any Subcontractor.

As used in this Appendix EE the term “County Contractor” shall mean a person or firm who will manage and be responsible for an entire contracted project.

As used in this Appendix EE “Documentation Demonstrating Best Efforts to Obtain Certified Minority or Women-owned Business Enterprises” shall include, but is not limited to the following:

- a. Proof of having advertised for bids, where appropriate, in minority publications, trade newspapers/notices and magazines, trade and union publications, and publications of general circulation in Nassau County and surrounding areas or having verbally solicited M/WBEs whom the County Contractor reasonably believed might have the qualifications to do the work. A copy of the advertisement, if used, shall be included to demonstrate that it contained language indicating that the County Contractor welcomed bids and quotes from M/WBE Subcontractors. In addition, proof of the date(s) any such advertisements appeared must be included in the Best Effort Documentation. If verbal solicitation is used, a County Contractor’s affidavit with a notary’s signature and stamp shall be required as part of the documentation.
- b. Proof of having provided reasonable time for M/WBE Subcontractors to respond to bid opportunities according to industry norms and standards. A chart outlining the schedule/time frame used to obtain bids from M/WBEs is suggested to be included with the Best Effort Documentation
- c. Proof or affidavit of follow-up of telephone calls with potential M/WBE subcontractors encouraging their participation. Telephone logs indicating such action can be included with the Best Effort Documentation
- d. Proof or affidavit that M/WBE Subcontractors were allowed to review bid specifications, blue prints and all other bid/RFP related items at no charge to the M/WBEs, other than reasonable documentation costs incurred by the County Contractor that are passed onto the M/WBE.
- e. Proof or affidavit that sufficient time prior to making award was allowed for M/WBEs to participate effectively, to the extent practicable given the timeframe of the County Contract.
- f. Proof or affidavit that negotiations were held in good faith with interested M/WBEs, and that M/WBEs were not rejected as unqualified or unacceptable without sound business reasons based on (1) a thorough investigation of M/WBE qualifications and capabilities reviewed against industry custom and standards and (2) cost of performance. The basis for rejecting any M/WBE deemed unqualified by the County Contractor shall be included in the Best Effort Documentation
- g. If an M/WBE is rejected based on cost, the County Contractor must submit a list of all sub-bidders for each item of work solicited and their bid prices for the work.
- h. The conditions of performance expected of Subcontractors by the County Contractor must also be included with the Best Effort Documentation
- i. County Contractors may include any other type of documentation they feel necessary to further demonstrate their Best Efforts regarding their bid documents.

As used in this Appendix EE the term “Executive Director” shall mean the Executive Director of the Nassau County Office of Minority Affairs; provided, however, that Executive Director shall include a designee of the Executive Director except in the case of final determinations issued pursuant to Section (a) through (l) of these rules.

As used in this Appendix EE the term “Subcontract” shall mean an agreement consisting of part or parts of the contracted work of the County Contractor.

As used in this Appendix EE, the term “Subcontractor” shall mean a person or firm who performs part or parts of the contracted work of a prime contractor providing services, including construction services, to the County pursuant to a county contract. Subcontractor shall include a person or firm that provides labor, professional or other services, materials or supplies to a prime contractor that are necessary for the prime contractor to fulfill its obligations to provide services to the County pursuant to a county contract. Subcontractor shall not include a supplier of materials to a contractor who has contracted to provide goods but no services to the County, nor a supplier of incidental materials to a contractor, such as office supplies, tools and other items of nominal cost that are utilized in the performance of a service contract.

Provisions requiring contractors to retain or submit documentation of best efforts to utilize certified subcontractors and requiring Department head approval prior to subcontracting shall not apply to inter-governmental agreements. In addition, the tracking of expenditures of County dollars by not-for-profit corporations, other municipalities, States, or the federal government is not required.

APPENDIX L
CERTIFICATE OF COMPLIANCE

In compliance with Local Law 1-2006, as amended, the Proposer/Bidder hereby certifies the following:

1. The chief executive officer of the Proposer/Bidder is:

Jonathan Burgiel, Business Unit President (Name)

2301 Lucien Way, Suite 120, Maitland, FL 32751 (Address)

(321) 441-8511 (Telephone Number)

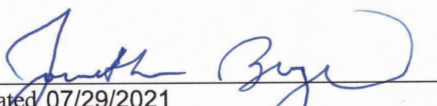
2. The Proposer/Bidder agrees to comply with the requirements of the Nassau County Living Wage Law, and with all applicable federal, state and local laws.

3. In the past five years, Proposer/Bidder _____ has X has not been found by a court or a government agency to have violated federal, state, or local laws regulating payment of wages or benefits, labor relations, or occupational safety and health. If a violation has been assessed by the Proposer/Bidder, describe below:

4. In the past five years, an administrative proceeding, investigation, or government body-initiated judicial action _____ has X has not been commenced against or relating to the Proposer/Bidder in connection with federal, state, or local laws regulating payment of wages or benefits, labor relations, or occupational safety and health. If such a proceeding, action, or investigation has been commenced, describe below:

5. Proposer/Bidder agrees to permit access to work sites and relevant payroll records by authorized County representatives for the purpose of monitoring compliance with the Living Wage Law and investigating employee complaints of noncompliance.

I hereby certify that I have read the foregoing statement and, to the best of my knowledge and belief, it is true, correct and complete. Any statement or representation made herein shall be accurate and true as of the date stated below.

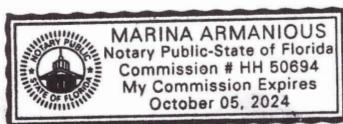

Dated 07/29/2021
Signature of Chief Executive Officer

Jonathan Burgiel, Business Unit President
Name of Chief Executive Officer

Sworn to before me this

29th day of July, 20 .


Notary Public



APPENDIX K
M/WBE Utilization Plan


M/WBE UTILIZATION PLAN

INSTRUCTIONS: This form is submitted at the time of bid or procurement submission, or at the time of contract execution, or within a reasonable time thereafter as outlined in procurement submission instructions. This Utilization Plan must contain a detailed description of the supplies and/or services to be provided by each certified Minority and Women-owned Business Enterprise (M/WBE) under the contract. Attach additional sheets if necessary.

Subrecipient Name:	Nassau County, NY	Project Name:	Disaster Debris Removal Monitoring Services
Offeror's Name:	Tetra Tech, Inc.	Federal ID Number:	95-4148514
Address:	2301 Lucien Way, Suite 120	Contract Number (if applicable):	RFP # PW – H1000301C
City State & Zip Code:	Maitland, FL 32751	Phone:	407-803-2551
Location of Work:	Nassau County, NY		

M/WBE Target Goal			Proposed M/WBE Participation		
Category	Percentage	Amount	Category	Percentage	Amount
MBE:	No goal is listed in the County's RFP %	\$ No goal is listed in the County's RFP	MBE:	Up to 20 %	\$ TBD as this is a standby contract to be activated on an as needed basis after a disaster has impacted Nassau County.
WBE:	%	\$	WBE:	%	\$
Totals:	%	\$	Totals:	Up to 20 %	\$

1. Certified M/WBE Subcontractors/Suppliers Information:		Classification NYS-ESD Certified (Choose One Only)		Federal ID No. :	Detailed Description of Work:	Dollar Value of Subcontractors/Supplies/Services	Intended performance dates on each component of the contract
		MBE	WBE				
A	Name: M&J Engineering P.C	X		30-0284495	To provide trained staffs to assist with debris	TBD as this is a standby contract to be	
	Address: 2003 Jericho Turnpike New Hyde Park NY, 11040				monitoring services.	activated on an as needed basis after	
	Email: bmawhirter@mjengineers.com					a disaster has impacted Nassau County.	
	Phone: (516) 821-7300						
B	Name:						
	Address:						
	Email:						
	Phone:						
C	Name:						
	Address:						
	Email:						
	Phone:						
D	Name:						
	Address:						
	Email:						
	Phone:						

Contractor Use:	
Name of Preparer:	Betty Kamara, Contracts Administrator
Authorized Signature:	
Date:	06/12/2020
Email:	betty.kamara@tetrattech.com
Phone:	407-803-2551

Part 4- WBE Information (use additional blank sheets as necessary):

WBE Firm	Description of Work (WBE)	Projected WBE Contract Amount(\$) and Award Date	WBE Contract Scheduled Start Date and Completion Date
Name: Address: City: State/Zip Code: Authorized Representative: Telephone No.		Amount (\$): <hr/> Award Date: <hr/>	Start Date: <hr/> Completion Date: <hr/>
Name: Address: City: State/Zip Code: Authorized Representative: Telephone No.		Amount (\$): <hr/> Award Date: <hr/>	Start Date: <hr/> Completion Date: <hr/>
Name: Address: City: State/Zip Code: Authorized Representative: Telephone No.		Amount (\$): <hr/> Award Date: <hr/>	Start Date: <hr/> Completion Date: <hr/>

Jack Schnirman
Comptroller



OFFICE OF THE COMPTROLLER
240 Old Country Road
Mineola, New York 11501

COMPTROLLER APPROVAL FORM FOR PERSONAL, PROFESSIONAL OR HUMAN SERVICES CONTRACTS

Attach this form along with all personal, professional or human services contracts, contract renewals, extensions and amendments.

CONTRACTOR NAME: _____

CONTRACTOR ADDRESS: _____

FEDERAL TAX ID #: _____

Instructions: Please check the appropriate box (“☑”) after one of the following roman numerals, and provide all the requested information.

I. ☐ The contract was awarded to the lowest, responsible bidder after advertisement for sealed bids. The contract was awarded after a request for sealed bids was published in _____ [newspaper] on _____ [date]. The sealed bids were publicly opened on _____ [date]. _____ [#] of sealed bids were received and opened.

II. ☐ The contractor was selected pursuant to a Request for Proposals.

The Contract was entered into after a written request for proposals was issued on _____ [date]. Potential proposers were made aware of the availability of the RFP by advertisement in _____ [newspaper], posting on industry websites, via email to interested parties and by publication on the County procurement website. Proposals were due on _____ [date]. _____ [state #] proposals were received and evaluated. The evaluation committee consisted of: _____

_____ (list # of persons on committee and their respective departments). The proposals were scored and ranked. As a result of the scoring and ranking, the highest-ranking proposer was selected.

III. ☐ This is a renewal, extension or amendment of an existing contract.

The contract was originally executed by Nassau County on _____[date]. This is a renewal or extension pursuant to the contract, or an amendment within the scope of the contract or RFP (copies of the relevant pages are attached). The original contract was entered into after _____

_____[describe procurement method, i.e., RFP, three proposals evaluated, etc.] Attach a copy of the most recent evaluation of the contractor's performance for any contract to be renewed or extended. If the contractor has not received a satisfactory evaluation, the department must explain why the contractor should nevertheless be permitted to continue to contract with the county.

IV. ☐ Pursuant to Executive Order No. 1 of 1993, as amended, at least three proposals were solicited and received. The attached memorandum from the department head describes the proposals received, along with the cost of each proposal.

- ☐ **A.** The contract has been awarded to the proposer offering the lowest cost proposal; **OR:**
- ☐ **B.** The attached memorandum contains a detailed explanation as to the reason(s) why the contract was awarded to other than the lowest-cost proposer. The attachment includes a specific delineation of the unique skills and experience, the specific reasons why a proposal is deemed superior, and/or why the proposer has been judged to be able to perform more quickly than other proposers.

V. ☐ Pursuant to Executive Order No. 1 of 1993 as amended, the attached memorandum from the department head explains why the department did not obtain at least three proposals.

- ☐ **A.** There are only one or two providers of the services sought or less than three providers submitted proposals. The memorandum describes how the contractor was determined to be the sole source provider of the personal service needed or explains why only two proposals could be obtained. If two proposals were obtained, the memorandum explains that the contract was awarded to the lowest cost proposer, or why the selected proposer offered the higher quality proposal, the proposer's unique and special experience, skill, or expertise, or its availability to perform in the most immediate and timely manner.
- ☐ **B.** The memorandum explains that the contractor's selection was dictated by the terms of a federal or New York State grant, by legislation or by a court order. (Copies of the relevant documents are attached).
- ☐ **C.** Pursuant to General Municipal Law Section 104, the department is purchasing the services required through a New York State Office of General Services contract no. _____, and the attached memorandum explains how the purchase is within the scope of the terms of that contract.

- ☐ **D.** Pursuant to General Municipal Law Section 119-o, the department is purchasing the services required through an inter-municipal agreement.

VI. ☐ This is a human services contract with a not-for-profit agency for which a competitive process has not been initiated. Attached is a memorandum that explains the reasons for entering into this contract without conducting a competitive process, and details when the department intends to initiate a competitive process for the future award of these services. For any such contract, where the vendor has previously provided services to the county, attach a copy of the most recent evaluation of the vendor's performance. If the contractor has not received a satisfactory evaluation, the department must explain why the contractor should nevertheless be permitted to contract with the county.

In certain limited circumstances, conducting a competitive process and/or completing performance evaluations may not be possible because of the nature of the human services program, or because of a compelling need to continue services through the same provider. In those circumstances, attach an explanation of why a competitive process and/or performance evaluation is inapplicable.

VII. ☐ This is a public works contract for the provision of architectural, engineering or surveying services. The attached memorandum provides details of the department's compliance with Board of Supervisors' Resolution No. 928 of 1993, including its receipt and evaluation of annual Statements of Qualifications & Performance Data, and its negotiations with the most highly qualified firms.

Instructions with respect to Sections VIII, IX and X: All Departments must check the box for VIII. Then, check the box for either IX or X, as applicable.

VIII. ☐ Participation of Minority Group Members and Women in Nassau County Contracts. The selected contractor has agreed that it has an obligation to utilize best efforts to hire MWBE sub-contractors. Proof of the contractual utilization of best efforts as outlined in Exhibit "EE" may be requested at any time, from time to time, by the Comptroller's Office prior to the approval of claim vouchers.

IX. ☐ Department MWBE responsibilities. To ensure compliance with MWBE requirements as outlined in Exhibit "EE", Department will require vendor to submit list of sub-contractor requirements prior to submission of the first claim voucher, for services under this contract being submitted to the Comptroller.

X. ☐ Vendor will not require any sub-contractors.

In addition, if this is a contract with an individual or with an entity that has only one or two employees: ☐ a review of the criteria set forth by the Internal Revenue Service, *Revenue Ruling No. 87-41*, 1987-1 C.B. 296, attached as Appendix A to the Comptroller's Memorandum, dated February 13, 2004, concerning independent contractors and employees indicates that the contractor would not be considered an employee for federal tax purposes.



Department Head Signature

Date

NOTE: Any information requested above, or in the exhibit below, may be included in the county's "staff summary" form in lieu of a separate memorandum.



COUNTY OF NASSAU

POLITICAL CAMPAIGN CONTRIBUTION DISCLOSURE FORM

1. Has the vendor or any corporate officers of the vendor provided campaign contributions pursuant to the New York State Election Law in (a) the period beginning April 1, 2016 and ending on the date of this disclosure, or (b), beginning April 1, 2018, the period beginning two years prior to the date of this disclosure and ending on the date of this disclosure, to the campaign committees of any of the following Nassau County elected officials or to the campaign committees of any candidates for any of the following Nassau County elected offices: the County Executive, the County Clerk, the Comptroller, the District Attorney, or any County Legislator?

YES ☐ NO ☒ If yes, to what campaign committee?

2. VERIFICATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a signatory of the firm for the purpose of executing Contracts.

The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

The undersigned further certifies and affirms that the contribution(s) to the campaign committees identified above were made freely and without duress, threat or any promise of a governmental benefit or in exchange for any benefit or remuneration.

Electronically signed and certified at the date and time indicated by:
Jonathan Burgiel [JONATHAN.BURGIEL@TETRATECH.COM]

Dated: 02/23/2021 12:50:34 PM

Vendor: Tetra Tech, Inc.

Title: Business Unit President



COUNTY OF NASSAU

LOBBYIST REGISTRATION AND DISCLOSURE FORM

1. Name, address and telephone number of lobbyist(s)/lobbying organization. The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

As Tetra Tech has not engaged or used any lobbyist, Tetra Tech has no lobbyist(s)/lobbying organization names or contact information to disclose.

2. List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):

Not applicable, as Tetra Tech has not engaged or used any lobbyist(s).

3. Name, address and telephone number of client(s) by whom, or on whose behalf, the lobbyist is retained, employed or designated:

Not applicable, as Tetra Tech has not engaged or used any lobbyist(s).

4. Describe lobbying activity conducted, or to be conducted, in Nassau County, and identify client(s) for each activity listed. See the last page for a complete description of lobbying activities.

Not applicable, as Tetra Tech has not engaged or used any lobbyist(s).

5. The name of persons, organizations or governmental entities before whom the lobbyist expects to lobby:

Not applicable, as Tetra Tech has not engaged or used any lobbyist(s).

6. If such lobbyist is retained or employed pursuant to a written agreement of retainer or employment, you must attach a copy of such document; and if agreement of retainer or employment is oral, attach a written statement of the substance thereof. If the written agreement of retainer or employment does not contain a signed authorization from the client by whom you have been authorized to lobby, separately attach such a written authorization from the client.

7. Has the lobbyist/lobbying organization or any of its corporate officers provided campaign contributions pursuant to the New York State Election Law in (a) the period beginning April 1, 2016 and ending on the date of this disclosure, or (b), beginning April 1, 2018, the period beginning two years prior to the date of this disclosure and ending on the date of this disclosure, to the campaign committees of any of the following Nassau County elected officials or to the campaign committees of any candidates for any of the following Nassau County elected offices: the County Executive, the County Clerk, the Comptroller, the District Attorney, or any County Legislator?

YES ☐ NO ☒ If yes, to what campaign committee? If none, you must so state:

I understand that copies of this form will be sent to the Nassau County Department of Information Technology ("IT") to be posted on the County's website.

I also understand that upon termination of retainer, employment or designation I must give written notice to the County Attorney within thirty (30) days of termination.

VERIFICATION: The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

The undersigned further certifies and affirms that the contribution(s) to the campaign committees listed above were made freely and without duress, threat or any promise of a governmental benefit or in exchange for any benefit or remuneration.

Electronically signed and certified at the date and time indicated by:
Jonathan Burgiel [JONATHAN.BURGIEL@TETRATECH.COM]

Dated: 02/23/2021 04:06:31 PM

Vendor: Tetra Tech

Title: Business Unit President

The term lobbying shall mean any attempt to influence: any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including but not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

The term "lobbying" or "lobbying activities" does not include: Persons engaged in drafting legislation, rules, regulations or rates; persons advising clients and rendering opinions on proposed legislation, rules, regulations or rates, where such professional services are not otherwise connected with legislative or executive action on such legislation or administrative action on such rules, regulations or rates; newspapers and other periodicals and radio and television stations and owners and employees thereof, provided that their activities in connection with proposed legislation, rules, regulations or rates are limited to the publication or broadcast of news items, editorials or other comment, or paid advertisements; persons who participate as witnesses, attorneys or other representatives in public rule-making or rate-making proceedings of a County agency, with respect to all participation by such persons which is part of the public record thereof and all preparation by such persons for such participation; persons who attempt to influence a County agency in an adjudicatory proceeding, as defined by § 102 of the New York State Administrative Procedure Act.

PRINCIPAL QUESTIONNAIRE FORM

All questions on these questionnaires must be answered by all officers and any individuals who hold a ten percent (10%) or greater ownership interest in the proposer. Answers typewritten or printed in ink. If you need more space to answer any question, make as many photocopies of the appropriate page(s) as necessary and attach them to the questionnaire.

COMPLETE THIS QUESTIONNAIRE CAREFULLY AND COMPLETELY. FAILURE TO SUBMIT A COMPLETE QUESTIONNAIRE MAY MEAN THAT YOUR BID OR PROPOSAL WILL BE REJECTED AS NON-RESPONSIVE AND IT WILL NOT BE CONSIDERED FOR AWARD

1. Principal Name: Jonathan Burgiel
Date of birth: 05/02/1962
Home address: 8608 Willow Kane Court
City: Orlando State/Province/Territory: FL Zip/Postal Code: 32835
Country: US

Business Address: 2301 Lucien Way, Suite 120
City: Maitland State/Province/Territory: FL Zip/Postal Code: 32751
Country: US
Telephone: 3214418500

Other present address(es):
City: _____ State/Province/Territory: _____ Zip/Postal Code: _____
Country: _____
Telephone: _____

List of other addresses and telephone numbers attached

2. Positions held in submitting business and starting date of each (check all applicable)

President	_____	Treasurer	_____
Chairman of Board	_____	Shareholder	_____
Chief Exec. Officer	_____	Secretary	_____
Chief Financial Officer	_____	Partner	_____
Vice President	_____		
(Other)	_____		

Type	Description	Start Date
Other	Business Unit President	04/01/2018

3. Do you have an equity interest in the business submitting the questionnaire?

YES ☐ NO ☒ If Yes, provide details.

4. Are there any outstanding loans, guarantees or any other form of security or lease or any other type of contribution made in whole or in part between you and the business submitting the questionnaire?

YES ☐ NO ☒ If Yes, provide details.

5. Within the past 3 years, have you been a principal owner or officer of any business or notfor-profit organization other than the one submitting the questionnaire?
YES ☐ NO ☒ If Yes, provide details.

6. Has any governmental entity awarded any contracts to a business or organization listed in Section 5 in the past 3 years while you were a principal owner or officer?
YES ☐ NO ☒ If Yes, provide details.

NOTE: An affirmative answer is required below whether the sanction arose automatically, by operation of law, or as a result of any action taken by a government agency. Provide a detailed response to all questions checked "YES". If you need more space, photocopy the appropriate page and attach it to the questionnaire.

7. In the past (5) years, have you and/or any affiliated businesses or not-for-profit organizations listed in Section 5 in which you have been a principal owner or officer:
- a. Been debarred by any government agency from entering into contracts with that agency?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- b. Been declared in default and/or terminated for cause on any contract, and/or had any contracts cancelled for cause?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- c. Been denied the award of a contract and/or the opportunity to bid on a contract, including, but not limited to, failure to meet pre-qualification standards?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- d. Been suspended by any government agency from entering into any contract with it; and/or is any action pending that could formally debar or otherwise affect such business's ability to bid or propose on contract?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

8. Have any of the businesses or organizations listed in response to Question 5 filed a bankruptcy petition and/or been the subject of involuntary bankruptcy proceedings during the past 7 years, and/or for any portion of the last 7 year period, been in a state of bankruptcy as a result of bankruptcy proceedings initiated more than 7 years ago and/or is any such business now the subject of any pending bankruptcy proceedings, whenever initiated?

YES ☐ NO ☒ If 'Yes', provide details for each such instance. (Provide a detailed response to all questions check "Yes". If you need more space, photocopy the appropriate page and attached it to the questionnaire.)

9.

- a. Is there any felony charge pending against you?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- b. Is there any misdemeanor charge pending against you?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- c. Is there any administrative charge pending against you?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- d. In the past 10 years, have you been convicted, after trial or by plea, of any felony, or of any other crime, an element of which relates to truthfulness or the underlying facts of which related to the conduct of business? Y
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- e. In the past 5 years, have you been convicted, after trial or by plea, of a misdemeanor?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

- f. In the past 5 years, have you been found in violation of any administrative or statutory charges?
YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

10. In addition to the information provided in response to the previous questions, in the past 5 years, have you been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency and/or the subject of an investigation where such investigation was related to activities performed at, for, or on behalf of the submitting business entity and/or an affiliated business listed in response to Question 5?

YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

11. In addition to the information provided, in the past 5 years has any business or organization listed in response to Question 5, been the subject of a criminal investigation and/or a civil anti-trust investigation and/or any other type of investigation by any government agency, including but not limited to federal, state, and local regulatory agencies while you were a principal owner or officer?

YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

12. In the past 5 years, have you or this business, or any other affiliated business listed in response to Question 5 had any sanction imposed as a result of judicial or administrative proceedings with respect to any professional license held?

YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

13. For the past 5 tax years, have you failed to file any required tax returns or failed to pay any applicable federal, state or local taxes or other assessed charges, including but not limited to water and sewer charges?

YES ☐ NO ☒ If yes, provide an explanation of the circumstances and corrective action taken.

I, Jonathan Burgiel , hereby acknowledge that a materially false statement willfully or fraudulently made in connection with this form may result in rendering the submitting business entity and/or any affiliated entities non-responsible, and, in addition, may subject me to criminal charges.

I, Jonathan Burgiel , hereby certify that I have read and understand all the items contained in this form; that I supplied full and complete answers to each item therein to the best of my knowledge, information and belief; that I will notify the County in writing of any change in circumstances occurring after the submission of this form; and that all information supplied by me is true to the best of my knowledge, information and belief. I understand that the County will rely on the information supplied in this form as additional inducement to enter into a contract with the submitting business entity.

CERTIFICATION

A MATERIALLY FALSE STATEMENT WILLFULLY OR FRAUDULENTLY MADE IN CONNECTION WITH THIS QUESTIONNAIRE MAY RESULT IN RENDERING THE SUBMITTING BUSINESS ENTITY NOT RESPONSIBLE WITH RESPECT TO THE PRESENT BID OR FUTURE BIDS, AND, IN ADDITION, MAY SUBJECT THE PERSON MAKING THE FALSE STATEMENT TO CRIMINAL CHARGES.

Tetra Tech, Inc.

Name of submitting business

Electronically signed and certified at the date and time indicated by:

Jonathan Burgiel [JONATHAN.BURGIEL@TETRATECH.COM]

Business Unit President

Title

02/23/2021 12:55:01 PM

Date

Business History Form

The contract shall be awarded to the responsible proposer who, at the discretion of the County, taking into consideration the reliability of the proposer and the capacity of the proposer to perform the services required by the County, offers the best value to the County and who will best promote the public interest.

In addition to the submission of proposals, each proposer shall complete and submit this questionnaire. The questionnaire shall be filled out by the owner of a sole proprietorship or by an authorized representative of the firm, corporation or partnership submitting the Proposal.

NOTE: All questions require a response, even if response is "none" or "not-applicable." No blanks.

(USE ADDITIONAL SHEETS IF NECESSARY TO FULLY ANSWER THE FOLLOWING QUESTIONS).

Date: 08/31/2021

1) Proposer's Legal Name: Tetra Tech, Inc.

2) Address of Place of Business: 2301 Lucien Way, Suite 120

City: Maitland State/Province/Territory: FL Zip/Postal Code: 32751

Country: US

3) Mailing Address (if different): _____

City: _____ State/Province/Territory: _____ Zip/Postal Code: _____

Country: _____

Phone: _____

Does the business own or rent its facilities? Rent If other, please provide details:

4) Dun and Bradstreet number: 080106449

5) Federal I.D. Number: 95-4148514

6) The proposer is a: Corporation (Describe) _____

7) Does this business share office space, staff, or equipment expenses with any other business?

YES ☐ NO ☒ If yes, please provide details:

8) Does this business control one or more other businesses?

YES ☐ NO ☒ If yes, please provide details:

9) Does this business have one or more affiliates, and/or is it a subsidiary of, or controlled by, any other business?

YES ☐ NO ☒ If yes, please provide details:

- 10) Has the proposer ever had a bond or surety cancelled or forfeited, or a contract with Nassau County or any other government entity terminated?
YES ☐ NO ☒ If yes, state the name of bonding agency, (if a bond), date, amount of bond and reason for such cancellation or forfeiture: or details regarding the termination (if a contract).

- 11) Has the proposer, during the past seven years, been declared bankrupt?
YES ☐ NO ☒ If yes, state date, court jurisdiction, amount of liabilities and amount of assets

- 12) In the past five years, has this business and/or any of its owners and/or officers and/or any affiliated business, been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency? And/or, in the past 5 years, have any owner and/or officer of any affiliated business been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency, where such investigation was related to activities performed at, for, or on behalf of an affiliated business.

YES ☐ NO ☒ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

- 13) In the past 5 years, has this business and/or any of its owners and/or officers and/or any affiliated business been the subject of an investigation by any government agency, including but not limited to federal, state and local regulatory agencies? And/or, in the past 5 years, has any owner and/or officer of an affiliated business been the subject of an investigation by any government agency, including but not limited to federal, state and local regulatory agencies, for matters pertaining to that individual's position at or relationship to an affiliated business.

YES ☒ NO ☐ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

1 File(s) Uploaded: Tetra Tech_OSHA History 2016-2020.pdf

- 14) Has any current or former director, owner or officer or managerial employee of this business had, either before or during such person's employment, or since such employment if the charges pertained to events that allegedly occurred during the time of employment by the submitting business, and allegedly related to the conduct of that business:

a) Any felony charge pending?

YES ☐ NO ☒ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

b) Any misdemeanor charge pending?

YES ☐ NO ☒ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

c) In the past 10 years, you been convicted, after trial or by plea, of any felony and/or any other crime, an

element of which relates to truthfulness or the underlying facts of which related to the conduct of business?

YES ☐ NO ☒ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

d) In the past 5 years, been convicted, after trial or by plea, of a misdemeanor?

YES ☐ NO ☒ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

e) In the past 5 years, been found in violation of any administrative, statutory, or regulatory provisions?

YES ☐ NO ☒ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

- 15) In the past (5) years, has this business or any of its owners or officers, or any other affiliated business had any sanction imposed as a result of judicial or administrative proceedings with respect to any professional license held?

YES ☐ NO ☒ If yes, provide details for each such investigation, an explanation of the circumstances and corrective action taken.

- 16) For the past (5) tax years, has this business failed to file any required tax returns or failed to pay any applicable federal, state or local taxes or other assessed charges, including but not limited to water and sewer charges?
- YES ☐ NO ☒ If yes, provide details for each such year. Provide a detailed response to all questions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the questionnaire.

- 17) Conflict of Interest:

a) Please disclose any conflicts of interest as outlined below. NOTE: If no conflicts exist, please expressly state "No conflict exists."

(i) Any material financial relationships that your firm or any firm employee has that may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County.

No conflict exists

(ii) Any family relationship that any employee of your firm has with any County public servant that may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County.

No conflict exists

(iii) Any other matter that your firm believes may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County.

No conflict exists

- b) Please describe any procedures your firm has, or would adopt, to assure the County that a conflict of interest would not exist for your firm in the future.

Tetra Tech employees receive training on identifying actual or potential organizational and personal conflict of interest (COI) situations and when and how to disclose such information. Each employee receives a copy of this COI plan along with orientation materials and a copy of the COI plan is maintained on Tetra Tech's Intranet site.

Tetra Tech also regularly disseminates information concerning COI issues to its employees through "brown bag" seminars, interoffice conference calls, and memoranda. In addition, Tetra Tech conducts annual COI awareness training for employees that includes a review of certification language and changes that may have occurred in Tetra Tech COI plan. Tetra Tech retains certification that employees have read and understood the contents of the current plan.

- A. Include a resume or detailed description of the Proposer's professional qualifications, demonstrating extensive experience in your profession. Any prior similar experiences, and the results of these experiences, must be identified.

Have you previously uploaded the below information under in the Document Vault?

YES ☐ NO ☒

Is the proposer an individual?

YES ☐ NO ☒ Should the proposer be other than an individual, the Proposal MUST include:

- i) Date of formation;

02/04/1988

- ii) Name, addresses, and position of all persons having a financial interest in the company, including shareholders, members, general or limited partner. If none, explain.

No person owns 10% or more of Tetra Tech, Inc.

No individuals with a financial interest in the company have been attached..

- iii) Name, address and position of all officers and directors of the company. If none, explain.

See attached

No officers and directors from this company have been attached.

2 File(s) Uploaded: Company Officers.pdf, Tetra Tech Corporate and Local Office Locations.pdf

- iv) State of incorporation (if applicable);

DE

- v) The number of employees in the firm;

20000

- vi) Annual revenue of firm;

3100000000

- vii) Summary of relevant accomplishments

See Section 1: Qualifications and Experience of the submitted proposal.

viii) Copies of all state and local licenses and permits.

1 File(s) Uploaded: Tetra Tech_NY Good Standing Cert 06.10.2020.pdf

B. Indicate number of years in business.

54

C. Provide any other information which would be appropriate and helpful in determining the Proposer's capacity and reliability to perform these services.

See attached

1 File(s) Uploaded: FY20 Tetra Tech 10K.pdf

D. Provide names and addresses for no fewer than three references for whom the Proposer has provided similar services or who are qualified to evaluate the Proposer's capability to perform this work.

Company	Collier County, Florida		
Contact Person	Dan Rodriguez		
Address	3339 Tamiami Trail East, Suite 302		
City	Naples	State/Province/Territory	FL
Country	US		
Telephone	(239) 252-2504		
Fax #			
E-Mail Address	danrodriguez@colliergov.net		

Company	City of Miami, Florida		
Contact Person	Mr. Mario Nunez		
Address	1290 NW 20th Street		
City	Miami	State/Province/Territory	FL
Country	US		
Telephone	(786) 479-4097		
Fax #			
E-Mail Address	mfnunez@miamigov.com		

Company	Volusia County, Florida		
Contact Person	Arden Fontaine		
Address	123 W Indiana Avenue, Room 402		
City	Deland	State/Province/Territory	FL
Country	US		
Telephone	(386) 717-9224		
Fax #			
E-Mail Address	afontaine@volusia.org		

I, Jonathan Burgiel , hereby acknowledge that a materially false statement willfully or fraudulently made in connection with this form may result in rendering the submitting business entity and/or any affiliated entities non-responsible, and, in addition, may subject me to criminal charges.

I, Jonathan Burgiel , hereby certify that I have read and understand all the items contained in this form; that I supplied full and complete answers to each item therein to the best of my knowledge, information and belief; that I will notify the County in writing of any change in circumstances occurring after the submission of this form; and that all information supplied by me is true to the best of my knowledge, information and belief. I understand that the County will rely on the information supplied in this form as additional inducement to enter into a contract with the submitting business entity.

CERTIFICATION

A MATERIALLY FALSE STATEMENT WILLFULLY OR FRAUDULENTLY MADE IN CONNECTION WITH THIS QUESTIONNAIRE MAY RESULT IN RENDERING THE SUBMITTING BUSINESS ENTITY NOT RESPONSIBLE WITH RESPECT TO THE PRESENT BID OR FUTURE BIDS, AND, IN ADDITION, MAY SUBJECT THE PERSON MAKING THE FALSE STATEMENT TO CRIMINAL CHARGES.

Name of submitting business: Tetra Tech, Inc.

Electronically signed and certified at the date and time indicated by:
Jonathan Burgiel [TDR.MKTG@TETRATECH.COM]

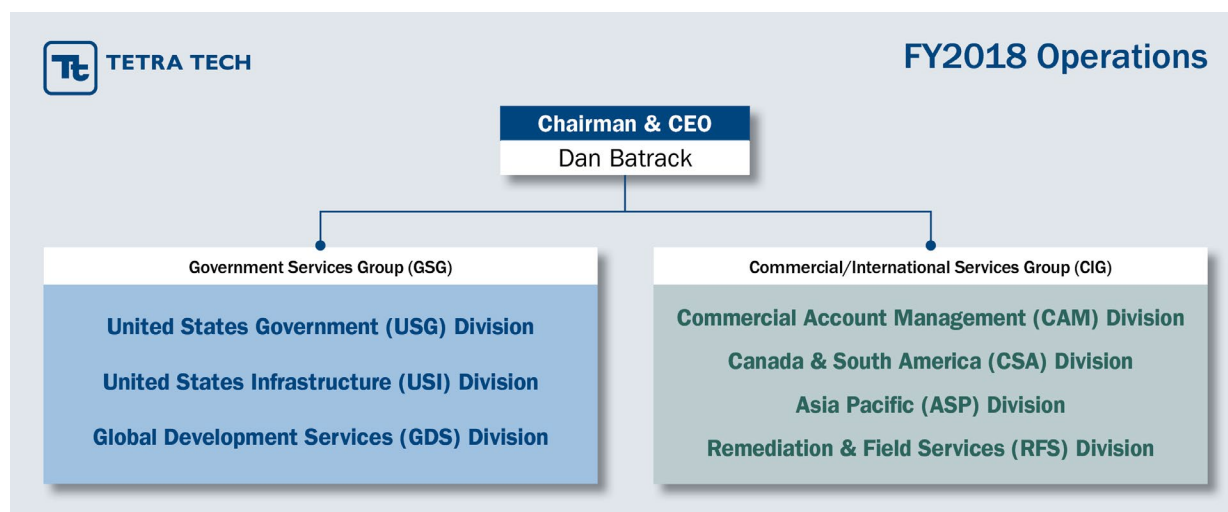
Business Unit President
Title

08/31/2021 06:55:57 AM
Date

CORPORATE OFFICERS

A list of names of all corporate officers is listed below.

Title	Name	
Chairman, Chief Executive Officer, and President	Dan L. Batrack	
President	Leslie L. Shoemaker	
Executive Vice President, Chief Financial Officer	Steven M. Burdick	
Senior Vice President, Chief Engineer	William R. Brownlie	
Senior Vice President, Corporate Controller and Chief Accounting Officer	Brian N. Carter	
Senior Vice President, Chief Information Officer	Craig L. Christensen	
Senior Vice President, General Counsel, and Secretary	Preston Hopson	
Senior Vice President, Corporate Administration	Richard A. Lemmon	
Senior Vice President, Enterprise Risk Management	Brendan O'Rourke	
Directors	Dan L. Batrack Gary R. Birkenbeuel Hugh M. Grant Patrick C. Haden J. Christopher Lewis Joanne M. Maguire	Kimberly E. Ritrievi Albert E. Smith J. Kenneth Thompson ThompsonThompson Kristen M. Volpi Li-San Hwang



Office Locations

With 450 offices worldwide, Tetra Tech has the local presence and global resources to serve Nassau County. Please see list of pertinent offices below:

Corporate Headquarters

3475 East Foothill Boulevard
Pasadena, California 91107-6024
1 (626) 470-2439

Disaster Recovery Office

2301 Lucien Way, Suite 120
Maitland, FL 32751

New York Offices

Albany

8 Southwoods Blvd.
3rd Fl.
Albany, NY 12211

Brooklyn

155 Water St.
Unit 2/13
Brooklyn, NY 11201

Buffalo

301 Ellicott St.
Buffalo, NY 14203

Farmingdale

500 Bi-County Blvd.
Ste. 104
Farmingdale, NY 11735

Ithaca

10 Brown Rd.
Ithaca, NY 14850

Middletown

100 Crystal Run Rd.
Ste. 101
Middletown, NY 10941

New York

498 7th Ave.
15th Flr.
New York, NY 10018

New York

5 Hanover Sq.
Ste. 502
New York, NY 10004

Rochester

3136 S. Winton Rd.
Ste. 303
Rochester, NY 14623

State of New York Department of State } ss:

I hereby certify, that TETRA TECH, INC., a DELAWARE corporation, filed an Application for Authority to do business in the State of New York on 10/07/1992, under the name of TETRA TECH, INC.. I further certify that so far as shown by the records of this Department, such corporation is still authorized to do business in the State of New York. I further certify the following:

A Biennial Statement was filed 11/04/1993.

A Biennial Statement was filed 12/02/1996.

A Biennial Statement was filed 11/06/1998.

A Biennial Statement was filed 11/16/1998.

A Certificate of Change was filed on 09/23/1999.

A Biennial Statement was filed 10/24/2000.

A Biennial Statement was filed 11/13/2002.

A Biennial Statement was filed 09/20/2004.

A Biennial Statement was filed 10/06/2006.

A Certificate of Merger was filed on 12/26/2007.

A Biennial Statement was filed 10/07/2008.

A Biennial Statement was filed 09/28/2010.

A Biennial Statement was filed 10/17/2012.

A Biennial Statement was filed 10/02/2014.

A Biennial Statement was filed 10/03/2016.

A Biennial Statement was filed 10/01/2018.

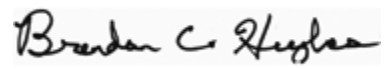
A Certificate of Change was filed on 01/28/2019.

A Certificate of Change was filed on 01/28/2019.

I further certify that no other documents have been filed by such corporation.



*Witness my hand and the official seal
of the Department of State at the City
of Albany, this 09th day of June
two thousand and twenty.*



Brendan C. Hughes
Executive Deputy Secretary of State

202006100390 * SX

Tetra Tech and Subsidiaries OSHA Compliance History
2016 – 2020

2016			
	Inspection Date / Regulation/Classification	Subject	Abatement
Tetra Tech Construction Inc. North Carolina	9/2016, Inspection Number 1168903 29 CFR 1926.651 (k)(1):	Excavation Inspections	Conduct and document daily excavation inspections.
	29 CFR 1926.652 (a)(1) Serious Citations, penalty: \$4500.00	Excavation Cave in Protection	Maintain a detailed schematic/scaled diagram of excavations showing the depth, width, slope and spoil pile for each excavation.
	29 CFR 1904.30(b)(1) Non-Serious Citation, penalty \$500.00	OSHA Recordkeeping Forms	Separate OSHA log maintained for long term establishment (greater than one year)
2017			
	Inspection Date / Regulation/Classification	Subject	Abatement
Zero Citations	NA	NA	NA
2018			
Entity / Location	Inspection Date / Regulation/Classification	Subject	Abatement
Tetra Tech EC Inc. Kentucky	4/4/2018, Inspection Number 318088879 as stated on the citation. OSHA Assigned Activity number 1268940.015		
	State of Kentucky Revised Statutes (KRS) 338.031(1)(a) Furnish a place of employment which are free from recognized hazards Serious, Penalty \$4900.00	Entrained Water	Leveled pond and associated pond high walls, increased monitoring of pore water pressures.
	State of Kentucky Revised Standards (KRS) 338.031 (1) (a) Furnish a place of employment which are free from recognized hazards Serious, Penalty \$4900.00	Delay in Rescue	Supplied floating excavators to access areas unreachable by boat. Staged plywood sheeting with handles and rolls of geogrid material to build emergency low ground pressure access paths in wet materials and provided rescue sleds. Retraining on rescue plan.

Tetra Tech and Subsidiaries OSHA Compliance History
2016 – 2020

2019			
Entity / Location	Inspection Date / Regulation/Classification	Subject	Abatement
Tetra Tech Inc. California	1/2/2019 Inspection Number 1362409 Citation 1 Item 1 T8 CCR Section 1509 (a) General Violation Employer failed to conduct an inspection to identify and evaluate health hazard to ensure separate toilet facilities are provided. Penalty \$375.00	Sanitation	Prime contractor was responsible for supplying adequate number of toilet facilities on temporary work site.
Tetra Tech Inc. California	2/11/2019 Inspection Number 1356916 Citation 1 Item 1 T8 CCR Section 3202 (b)(2) Regulatory Violation Documentation of required safety and health training did not include all types of training provided Penalty \$375.00 Citation 1 Item 2 T8 CCR Section 3395(h)(1)(I) General Violation Emergency Response Training to provide clear and concise directions in an emergency Penalty \$450.00	Injury and Illness Prevention Training Documentation Heat Illness Training	Training records and heat illness prevention training were updated and provided.
Tetra Tech Inc. California	4/24/2019 Inspection Number 1396856.015 Unplanned Inspection, no violations received	NA	NA
Tetra Tech Inc. Michigan	5/15/2019 Inspection Number 1400898.015 Unplanned Inspection, no violations received	NA	NA
Tetra Tech-Maytag Aircraft Corporation Joint Venture California	5/24/2019 Inspection Number 1406754.015 Unplanned inspection, no violations received	NA	NA
2020			
Entity / Location	Inspection Date / Regulation/Classification	Subject	Abatement
Zero Citations	NA	NA	NA

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

(Mark One)



ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Fiscal Year Ended September 27, 2020



TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Transition Period from to

Commission File Number 0-19655

TETRA TECH, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

95-4148514

(I.R.S. Employer Identification No.)

3475 East Foothill Boulevard, Pasadena, California 91107

(Address of principal executive offices) (Zip Code)

(626) 351-4664

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.01 par value	TTEK	The NASDAQ Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes ☒ No ☐

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes ☐ No ☒

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. Large accelerated filer ☒ Accelerated filer ☐ Non-accelerated filer ☐ Smaller reporting company ☐ Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. ☒

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes ☐ No ☒

The aggregate market value of the registrant's common stock held by non-affiliates on March 29, 2020, was \$3.6 billion (based upon the closing price of a share of registrant's common stock as reported by the Nasdaq National Market on that date).

On November 12, 2020, 53,777,381 shares of the registrant's common stock were outstanding.

DOCUMENT INCORPORATED BY REFERENCE

Portions of registrant's Proxy Statement for its 2021 Annual Meeting of Stockholders are incorporated by reference in Part III of this report where indicated.

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This Annual Report on Form 10-K ("Report"), including the "Management's Discussion and Analysis of Financial Condition and Results of Operations," contains forward-looking statements regarding future events and our future results that are subject to the safe harbors created under the Securities Act of 1933 (the "Securities Act") and the Securities Exchange Act of 1934 (the "Exchange Act"). All statements other than statements of historical facts are statements that could be deemed forward-looking statements. These statements are based on current expectations, estimates, forecasts and projections about the industries in which we operate and the beliefs and assumptions of our management. Words such as "expects," "anticipates," "targets," "goals," "projects," "intends," "plans," "believes," "estimates," "seeks," "continues," "may," variations of such words, and similar expressions are intended to identify such forward-looking statements. In addition, statements that refer to projections of our future financial performance, our anticipated growth and trends in our businesses, and other characterizations of future events or circumstances are forward-looking statements. Readers are cautioned that these forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions that are difficult to predict, including those identified below under "Risk Factors," and elsewhere herein. Therefore, actual results may differ materially and adversely from those expressed in any forward-looking statements. We undertake no obligation to revise or update publicly any forward-looking statements for any reason.

PART I

Item 1. Business

General

Tetra Tech, Inc. ("Tetra Tech") is a leading global provider of consulting and engineering services that focuses on water, environment, sustainable infrastructure, resource management, energy, and international development. We are a global company that is *Leading with Science*® to provide innovative solutions for our public and private clients. We typically begin at the earliest stage of a project by identifying technical solutions and developing execution plans tailored to our clients' needs and resources.

Tetra Tech is *Leading with Science*® to provide sustainable and resilient solutions to our clients' most complex needs. *Engineering News-Record* ("ENR"), the engineering industry's leading magazine, has ranked Tetra Tech #1 in Water for 17 years in a row. In 2020, we were also ranked #1 in dams and reservoirs, environmental management, environmental science, hydro plants, solid waste, water treatment/desalination, water treatment/supply, and wind power. ENR also ranked Tetra Tech in the top 10 in several categories, including chemical and soil remediation, green building design, hazardous waste, solar power, and site assessment and compliance.

Our reputation for high-end consulting and engineering services and our ability to develop solutions for water and environmental management has supported our growth for more than 50 years. Today, we are proud to be making a difference in people's lives worldwide through broad consulting, engineering, and technology service offerings. In fiscal 2020, we worked on over 65,000 projects, in more than 100 countries on seven continents, with a talent force of 20,000 associates. We are *Leading with Science*® throughout our operations, with domain experts across multiple disciplines supported by our advanced analytics, artificial intelligence ("AI"), machine learning, and digital technology solutions. Our ability to provide innovation and first-of-kind solutions is enhanced by partnerships with our forward-thinking clients. We are diverse and inclusive, embracing the breadth of experience across our talented workforce worldwide with a culture of innovation and entrepreneurship. We are disciplined in our business delivering value to customers and high performance to our shareholders. In supporting our clients, we seek to add value and provide long-term sustainable consulting, engineering, and technology solutions.

By combining ingenuity and practical experience, we have helped to advance sustainable solutions for managing water, protecting the environment, providing energy, and engineering the infrastructure for our cities and communities. Our mission is to be the world's leading consulting and engineering firm solving global challenges in water and the environment that make a positive difference in people's lives worldwide.

The following core principles form the underpinning of how we work together to serve our clients:

- *Service.* We put our clients first. We listen closely to better understand our clients' needs and deliver smart, cost-effective solutions that meet their needs.
- *Value.* We solve our clients' problems as if they were our own. We develop and implement sustainable solutions that are innovative, efficient and practical.
- *Excellence.* We bring superior technical capability, disciplined project management, and excellence in safety and quality to all of our services.
- *Opportunity.* Our people are our number one asset. Opportunity means new technical challenges that provide advancement within our company, encourage an inclusive and diverse workforce, and ensure a safe workplace.

We have a strong project management culture that enables us to deliver on more than 65,000 projects in a year. We maintain a strong emphasis on project management at all levels of the organization. Our client-focused project management is supported by strong fiscal management and financial tools. We use a disciplined approach to monitoring, managing, and improving our return on investment in each of our business areas through our efforts to negotiate appropriate contract terms, manage our contract performance to minimize schedule delays and cost overruns, and promptly bill and collect accounts receivable.

We have a broad client and contract base built by proactively understanding our clients' priorities and demonstrating a long track record of successful performance that results in repeat business and limits competition. We believe that proximity to our clients is also instrumental to integrating global experience and resources with an understanding of our local clients' needs. Over the past year, we worked in more than 100 countries, helping our clients address complex water, environment, energy and related infrastructure needs.

Throughout our history, we have supported both public and private clients, many for multiple decades of continuous contracts and repeat business. Long-term relationships provide us with institutional knowledge of our clients' programs, past projects and internal resources. Institutional knowledge is often a significant factor in winning competitive proposals and providing cost-effective solutions tailored to our clients' needs.

We are often at the leading edge of new challenges where we are delivering one-of-a-kind solutions. These might be a new water treatment technology, a unique solution to addressing new regulatory requirements, a new system for automated assessment of infrastructure assets or a digital twin for real time management of water treatment systems.

We combine interdisciplinary capabilities, technical resources, and institutional knowledge to implement complex projects that are at the leading edge of policy and technology development.

Leading with Science®

At Tetra Tech, we provide value-generating solutions by combining operational expertise, science, and technology. By *Leading with Science®* and leveraging our collective technology including advanced data analytics and digital technologies, we create transformational solutions for our clients.

Tetra Tech's proprietary technologies and solutions, referred to collectively as the Tetra Tech Delta, differentiate us in the market and provide us with a competitive advantage. We create customized solutions; from smart data collection and advanced analytics that support decision making to AI enabled solutions for asset management. Our Tetra Tech Delta technologies are drawn from our decades of operational experience and a reservoir of technical applications that are shared throughout our company. Our high-end teams connect interdisciplinary experts from across our company's 20,000 staff worldwide. Tetra Tech mobilizes teams that include analysts, statisticians, digital engineers, and industry experts who effectively implement value-generating and pragmatic solutions for our clients.

These advanced analytical solutions enable us to provide clients with real-time reporting, automated and remote data collection, and dashboards for tracking and communicating results. Tetra Tech Delta is continually expanding and includes cutting-edge tools on interpretive analysis, modeling of physical systems, forecasting and scenario analysis, optimization and operations research.

In implementing our *Leading with Science®* approach, we work with our clients to explore, incubate, and test solutions in our Tetra Tech Innovation Hubs ("Tt I-Hub"). Tt I-Hub provides a collaborative platform for exploration, testing, and formulation of new solutions in partnership with clients, academia and donor agencies.

Leading with Science® also means fully leveraging the collective expertise provided by our global talent force of 20,000 associates. We actively share information, ideas, and resources across our global operations through our network structure, guided subject matter teams, and project team building. We also proactively share emerging technology and new ideas through our knowledge transfer system, Tetra Tech Technology Transfer ("T4"). T4 facilitates our innovation culture through webcasts, blogs, multi-media, and social media across our global operations.

Reportable Segments

In fiscal 2020, we managed our operations under two reportable segments. Our Government Services Group ("GSG") reportable segment primarily includes activities with U.S. government clients (federal, state and local) and all activities with development agencies worldwide. Our Commercial/International Services Group ("CIG") reportable segment primarily includes activities with U.S. commercial clients and international clients other than development agencies. These reportable segments allow us to capitalize on our growing market opportunities and enhance the development of high-end consulting and technical solutions to meet our growing client demand. We continued to report the results of the wind-down of our non-core construction activities in the Remediation and Construction Management ("RCM") reportable segment. The following table presents the percentage of our revenue by reportable segment:

Reportable Segment	Fiscal Year		
	2020	2019	2018
GSG	59.4%	58.6%	57.2%
CIG	42.3	43.1	44.6
RCM	—	—	0.5
Inter-segment elimination	(1.7)	(1.7)	(2.3)
	100.0%	100.0%	100.0%

For additional information regarding our reportable segments, see Note 18, "Reportable Segments" of the "Notes to Consolidated Financial Statements" included in Item 8. For more information on risks related to our business, reportable segments and geographic regions, including risks related to foreign operations, see Item 1A, "Risk Factors" of this report.

Government Services Group

GSG provides consulting and engineering services primarily to U.S. government clients (federal, state and local) and development agencies worldwide. GSG supports U.S. government civilian and defense agencies with services in water, environment, sustainable infrastructure, information technology, and disaster management. GSG also provides engineering design services for U.S. municipal and commercial clients, especially in water infrastructure, solid waste, and high-end sustainable infrastructure designs. GSG also leads our support for development agencies worldwide, especially in the United States, United Kingdom, and Australia.

GSG provides consulting and engineering services for a broad range of water, environment, and infrastructure-related needs primarily for U.S. government clients. The primary GSG markets include water resources analysis and water management, environmental monitoring, data analytics, government consulting, waste management, and a broad range of civil infrastructure master planning and engineering design for facilities, transportation, and local development projects. GSG's services span from early data collection and monitoring, to data analysis and information management, to science and engineering applied research, to engineering design, to construction management, and operations and maintenance.

GSG provides our clients with sustainable solutions that optimize their water management and environmental programs to address regulatory requirements, improve operational efficiencies, and manage assets. Our services advance sustainability and resiliency through the "greening" of infrastructure, design of energy efficiency and resource conservation programs, innovation in the capture and sequestration of carbon, development of disaster preparedness and response plans, and improvement in water and land resource management practices. We provide climate change and energy management consulting, and greenhouse gas ("GHG") inventory assessment, certification, reduction, and management services.

Many government organizations face complex problems due to increased demand and competition for water and natural resources, newly understood threats to human health and the environment, aging infrastructure, and demand for new and more resilient infrastructure. Our integrated water management services support government agencies responsible for managing water supplies, wastewater treatment, storm water management, and flood protection. We help our clients develop more resilient water supplies and more sustainable management of water resources, while addressing a wide range of local and national government requirements and policies. Fluctuations in weather patterns and extreme events, such as prolonged droughts and more frequent flooding, are increasing concerns over the reliability of water supplies, the need to protect coastal areas, and flood mitigation and adaptation in metropolitan areas. We provide smart water infrastructure solutions that integrate water modeling, instrumentation and controls, and real-time controls to create flexible water systems that respond to changing conditions, optimize use of existing infrastructure, and provide clients with the ability to more efficiently monitor and manage their water infrastructure. We provide operational technology for secure management of water treatment and wastewater systems, including cybersecurity assessment and digital twin solutions.

We also support government agencies in the full range of disaster response and community resilience services including monitoring and environmental response, damage assessment and program management services, and resilient engineering design and mitigation planning. We have a full suite of proprietary software tools and procedures that support our disaster response, planning, and management support services. These tools and procedures address disaster management and community resilience data management needs, including information technology systems, portals, dashboards, data management, data analytics, and statistical analysis.

GSG provides planning, architectural, and sustainable engineering services for U.S. federal, state and local government facilities and non-residential commercial buildings. We support the government agencies with related infrastructure needs including military housing, and educational, institutional, and research facilities. Our high-performance buildings practice provides sustainable energy, water, and GHG efficient solutions including civil, electrical, mechanical, structural, plumbing and fire protection engineering and design services for buildings and surrounding developments. We provide high-end services in addressing indoor health and associated assessment, consulting, and retrofits of buildings to address indoor air quality and

safety. We also provide engineering services for a wide range of clients with specialized needs, such as security systems, training and audiovisual facilities, clean rooms, laboratories, medical facilities and disaster preparedness facilities.

GSG provides a wide range of consulting and engineering services for solid waste management, including landfill design and management and recycling facility design, throughout the United States; providing design, construction management, and maintenance services to manage solid and hazardous waste, for environmental, wastewater, energy, containment, mining, utilities, aquaculture, and other industrial clients; designing and installing geosynthetic liners for large lining and capping projects, as well as innovative renewable energy projects such as solar energy-generating landfill caps; and providing full-service solutions for gas-to-energy facilities to efficiently use landfill methane gas.

We provide high-end advanced analytics and information technology ("IT") consulting and support to various federal clients including AI applications, machine learning, modernization of IT systems, and cloud migration. We design solutions to manage and analyze data for major federal agency programs including data related to health, security, environment, and water programs. We use our e-lab to demonstrate and test technology solutions to facilitate rapid deployment by our clients. We provide technical support for the Federal Aviation Administration ("FAA") to optimize the U.S. airspace system and support related aviation systems integration for the U.S. and other countries' metropolitan airports. We provide specialized modeling and data analytics for airspace acoustic analysis. Our aviation airspace services include data management, data processing, communications and outreach, and systems development; and providing systems analysis and information management.

We support governments in implementing international development programs for developing nations to help them address numerous challenges, including access to potable water and adapting to the threats of climate change. Our international development services include supporting donor agencies to develop safe and reliable water supplies and sanitation services, support the eradication of poverty, improve livelihoods, promote democracy and increase economic growth; planning, designing, implementing, researching, and monitoring projects in the areas of climate change, agriculture and rural development, governance and institutional development, natural resources and the environment, infrastructure, economic growth, energy, rule of law and justice systems, land tenure and property rights, and training and consulting for public-private partnerships; and building capacity and strengthening institutions in areas such as global health, energy sector reform, utility management, education, food security, and local governance.

Commercial/International Services Group

CIG primarily provides consulting and engineering services to U.S. commercial clients, and international clients that include both commercial and government sectors. CIG supports commercial clients across the Fortune 500, energy utilities, industrial, manufacturing, aerospace, and resource management markets. CIG also provides infrastructure and related environmental, engineering and project management services to commercial and local government clients across Canada, in Asia Pacific (primarily Australia and New Zealand), the United Kingdom, as well as Brazil and Chile.

CIG provides consulting and engineering services worldwide for a broad range of water, environment, and sustainable infrastructure-related needs in both developed and emerging economies. The primary markets for CIG's services include natural resources, energy, and utilities, as well as civil infrastructure master planning and engineering design for facilities, transportation, and local development projects. CIG's services span from early data collection and monitoring to data analysis and information management, to feasibility studies and assessments, to science and engineering applied research, to engineering design, to construction management, and operations and maintenance.

CIG's environmental services include cleanup and beneficial reuse of sites contaminated with hazardous materials, toxic chemicals, and oil and petroleum products, which cover all phases of the remedial planning process, starting with disaster response and initial site assessment through removal actions, remedial design and implementation oversight; and supporting both commercial and government clients in planning and implementing remedial activities at numerous sites around the world, and providing a broad range of environmental analysis and planning services.

CIG also supports U.S. commercial clients by providing design services to renovate, upgrade, and modernize industrial water supplies, and address industrial water treatment and water reuse needs; and provides plant engineering, project execution, and program management services for industrial water treatment projects throughout the world.

CIG's international services, especially in Canada and Asia-Pacific, include high-end analytical, engineering, architecture, geotechnical, and construction management services for infrastructure projects, including rail and roadway monitoring and asset management services, collection of condition data, optimization of upgrades and long-term planning for expansion; multi-modal design services for commuter railway stations, airport expansions, bridges and major highways, and ports and harbors; and designing resilient solutions to repair, replace, and upgrade older transportation infrastructure.

CIG provides infrastructure design services in extreme and remote areas by using specialized techniques that are adapted to local resources, while minimizing environmental impacts, and considering potential climate change impacts. These include providing consulting, geotechnical, and design services to owners of transportation, natural resources, energy and community infrastructure in areas of permafrost or extreme climate regions.

CIG's energy services include support for electric power utilities and independent power producers worldwide, ranging from macro-level planning and management advisory services to project-specific environmental, engineering, construction management, and operational services, and advising on the design and implementation of smart grids, both domestically and internationally, including increasing utility automation, information and operational technologies, and critical infrastructure security. For utilities and governmental regulatory agencies, our services include policy and regulatory development, utility management, performance improvement, asset management and evaluation, and transaction support services. For developers and owners of renewable energy resources such as solar grid and off-grid, on-shore and off-shore wind, biogas and biomass, tidal, and hydropower, and conventional power generation facilities, micro-grid and battery or alternative storage facilities, as well as transmission and distribution assets, our services include environmental, engineering, procurement, operations and maintenance, and regulatory support for all project phases.

CIG supports industrial and energy clients, primarily in North America, in the upstream, midstream and downstream market sectors. Our services include environmental permitting support, siting studies, strategic planning and analyses; design of well pads and surface impoundments for drilling sites; water management for exploration activities; design of midstream pipelines and associated pumping stations and storage facilities; construction monitoring, design and construction management for downstream sustaining capital projects; biological and cultural assessments, and site investigations; and hazardous waste site remediation.

CIG also provides environmental remediation and reconstruction services to evaluate and restore lands to beneficial use, including the identification, evaluation and destruction of unexploded ordnance, both domestically and internationally; investigating, remediating, and restoring contaminated facilities at military locations in the U.S. and around the world; managing large, complex sediment remediation programs that help restore rivers and coastal waters to beneficial use; constructing state-of-the-art water treatment plants for U.S. commercial clients; and supporting utilities in the U.S. in implementing infrastructure needs.

Remediation and Construction Management

We continued to report the results of the wind-down of our non-core construction activities in the RCM reportable segment in fiscal 2020. As of September 27, 2020, there was no remaining backlog for RCM as the projects were complete.

Project Examples

Project examples are provided on our company website located at tetrattech.com, including expert interviews, in-depth articles, and project profiles that demonstrate our services across water, environment, sustainable infrastructure, energy, resource management, and international development.

Clients

We provide services to a diverse base of U.S. state and local government, U.S. federal government, U.S. commercial, and international clients. The following table presents the percentage of our revenue by client sector:

Client Sector	Fiscal Year		
	2020	2019	2018
U.S. state and local government	14.7%	18.9%	15.8%
U.S. federal government ⁽¹⁾	33.2	30.3	32.9
U.S. commercial	22.5	23.1	26.6
International ⁽²⁾	29.6	27.7	24.7
	100.0%	100.0%	100.0%

⁽¹⁾ Includes revenue generated under U.S. federal government contracts performed outside the United States.

⁽²⁾ Includes revenue generated from foreign operations, primarily in Canada, Australia, the United Kingdom, and revenue generated from non-U.S. clients.

U.S. federal government agencies are significant clients. The U.S. Agency for International Development ("USAID") accounted for 12.2%, 12.4% and 14.0% of our revenue in fiscal 2020, 2019 and 2018, respectively. The Department of Defense ("DoD") accounted for 9.2%, 7.9% and 10.0% of our revenue in fiscal 2020, 2019 and 2018, respectively. We typically support multiple programs within a single U.S. federal government agency, both domestically and internationally. We also assist U.S. state and local government clients in various jurisdictions across the United States. In Canada, we work for several provinces and various local jurisdictions. Our U.S. commercial clients include companies in the chemical, energy, mining, pharmaceutical, retail, aerospace, automotive, petroleum, and communications industries. No single client, except for U.S. federal government clients, accounted for more than 10% of our revenue in fiscal 2020.

Contracts

Our services are performed under three principal types of contracts with our clients: fixed-price, time-and-materials, and cost-plus. The following table presents the percentage of our revenue by contract type:

Contract Type	Fiscal Year		
	2020	2019	2018
Fixed-price	36.0%	33.7%	33.3%
Time-and-materials	46.5	48.6	47.1
Cost-plus	17.5	17.7	19.6
	100.0%	100.0%	100.0%

Under a fixed-price contract, clients agree to pay a specified price for our performance of the entire contract or a specified portion of the contract. Some fixed-price contracts can include date-certain and/or performance obligations. Fixed-price contracts carry certain inherent risks, including risks of losses from underestimating costs, delays in project completion, problems with new technologies, price increases for materials, and economic and other changes that may occur over the contract period. Consequently, the profitability of fixed-price contracts may vary substantially. Under time-and-materials contracts, we are paid for labor at negotiated hourly billing rates and paid for other expenses. Profitability on these contracts is driven by billable headcount and cost control. Many of our time-and-materials contracts are subject to maximum contract values and, accordingly, revenue related to these contracts is recognized as if these contracts were fixed-price contracts. Under our cost-plus contracts, some of which are subject to a contract ceiling amount, we are reimbursed for allowable costs and fees, which may be fixed or performance-based. If our costs exceed the contract ceiling or are not allowable, we may not be able to obtain full reimbursement. Further, the amount of the fee received for a cost-plus award fee contract partially depends upon the client's discretionary periodic assessment of our performance on that contract.

Some contracts with the U.S. federal government are subject to annual funding approval. U.S. federal government agencies may impose spending restrictions that limit the continued funding of our existing contracts and may limit our ability to obtain additional contracts. These limitations, if significant, could have a material adverse effect on us. All contracts with the U.S. federal government may be terminated by the government at any time, with or without cause.

U.S. federal government agencies have formal policies against continuing or awarding contracts that would create actual or potential conflicts of interest with other activities of a contractor. These policies may prevent us from bidding for or performing government contracts resulting from or related to certain work we have performed. In addition, services performed for a commercial or government sector client may create conflicts of interest that preclude or limit our ability to obtain work for a private organization. We attempt to identify actual or potential conflicts of interest and to minimize the possibility that such conflicts could affect our work under current contracts or our ability to compete for future contracts. We have, on occasion, declined to bid on a project because of an existing or potential conflict of interest.

Some of our operating units have contracts with the U.S. federal government that are subject to audit by the government, primarily the Defense Contract Audit Agency ("DCAA"). The DCAA generally seeks to (i) identify and evaluate all activities that contribute to, or have an impact on, proposed or incurred costs of government contracts; (ii) evaluate a contractor's policies, procedures, controls, and performance; and (iii) prevent or avoid wasteful, careless, and inefficient production or service. To accomplish this, the DCAA examines our internal control systems, management policies, and financial capability; evaluates the accuracy, reliability, and reasonableness of our cost representations and records; and assesses our compliance with Cost Accounting Standards ("CAS") and defective-pricing clauses found within the Federal Acquisition Regulation ("FAR"). The DCAA also performs an annual review of our overhead rates and assists in the establishment of our final rates. This review focuses on the allowability of cost items and the applicability of CAS. The DCAA also audits cost-based contracts, including the close-out of those contracts.

The DCAA reviews all types of U.S. federal government proposals, including those of award, administration, modification, and re-pricing. The DCAA considers our cost accounting system, estimating methods and procedures, and specific proposal requirements. Operational audits are also performed by the DCAA. A review of our operations at every major organizational level is conducted during the proposal review period. During the course of its audit, the U.S. federal government may disallow certain costs if it determines that we accounted for such costs in a manner inconsistent with CAS. Under a government contract, only those costs that are reasonable, allocable, and allowable are recoverable. A disallowance of costs by the U.S. federal government could have a material adverse effect on our financial results.

In accordance with our corporate policies, we maintain controls to minimize any occurrence of fraud or other unlawful activities that could result in severe legal remedies, including the payment of damages and/or penalties, criminal and civil sanctions, and debarment. In addition, we maintain preventative audit programs and mitigation measures to ensure that appropriate control systems are in place.

We provide services under contracts, purchase orders, or retainer letters. Our policy requires that all contracts must be in writing. We bill our clients in accordance with the contract terms and periodically based on costs incurred, on either an hourly-fee basis or on a percentage-of-completion basis, as the project progresses. Most of our agreements permit our clients to terminate the agreements without cause upon payment of fees and expenses through the date of the termination. Generally, our contracts do not require that we provide performance bonds. If required, a performance bond, issued by a surety company, guarantees a contractor's performance under the contract. If the contractor defaults under the contract, the surety will, at its discretion, complete the job or pay the client the amount of the bond. If the contractor does not have a performance bond and defaults in the performance of a contract, the contractor is responsible for all damages resulting from the breach of contract. These damages include the cost of completion, together with possible consequential damages such as lost profits.

Growth Strategy

Our management team establishes Tetra Tech's overall business strategy. Our strategic plan defines and guides our investment in marketing and business development to leverage our differentiators and target priority programs and growth markets. We maintain centralized business development resources to develop our corporate branding and marketing materials, support proposal preparation and planning, conduct market research, and manage promotional and professional activities, including appearances at trade shows, direct mailings, advertising, and public relations.

We have established company-wide growth initiatives that reinforce internal coordination, track the development of new programs, identify and coordinate collective resources for major bids, and help us build interdisciplinary teams and provide innovative solutions for major pursuits. Our growth initiatives provide a forum for cross-sector collaboration, access to technical solutions, and the development of interdisciplinary solutions. We continuously identify new markets that are consistent with our strategic plan and service offerings, and we leverage our full-service capabilities and internal coordination structure to develop and implement strategies to research, anticipate, and position us for future procurements and emerging programs. Our Tetra Tech Delta program facilitates access and exchange of technology solutions across our company, through the use of internal training, inventories, and facilitated virtual networking events.

Business development activities are implemented by our technical and professional management staff throughout Tetra Tech with the support of company-wide resources and expertise. Our project managers and technical staff have the best understanding of our clients' needs and the effect of local or client-specific issues, laws and regulations, and procurement procedures. Our professional staff members hold frequent meetings with existing and potential clients; give presentations to civic and professional organizations; and present seminars on research and technical applications. Essential to the effective development of business is each staff member's access to all of our service offerings through our internal Tetra Tech Delta and geographic networks. Our strong internal networking programs help our professional staff members to pursue new opportunities for both existing and new clients. These networks also facilitate our ability to provide services throughout the project life cycle from the early studies to operations and maintenance. Networking is further supported by our enterprise-wide knowledge management systems which include skills search tools, business development tracking, and collaboration tools.

To support our growth plans, we actively attract, recruit and retain key hires. Our combination of high-end science and consulting coupled with practical applications provides challenging and rewarding opportunities for our associates, thereby enhancing our ability to recruit and retain top quality talent. Our internal networking programs, leadership training, entrepreneurial environment, focus on *Leading with Science*®, and global project portfolio help to attract and retain highly qualified individuals.

Our strategic growth plans are augmented by our selective investment in acquisitions aligned with our business. Acquisitions enhance plans to add new technologies, broaden our service offerings, add contract capacity and extend our geographic presence. Our long-established experience in identifying and integrating acquisitions strengthens our ability to integrate and rapidly leverage the resources of the acquired companies post-acquisition.

Sustainability Program

Tetra Tech supports clients in more than 100 countries around the world, helping them to solve complex problems and achieve solutions that are technically, socially, and economically resilient. Our high-end consulting and engineering services focus on using innovative technologies and creative solutions to minimize environmental impacts and enhance social systems. Our greatest contribution toward sustainability is through the projects we perform every day for our clients, including recycling freshwater supplies, recycling waste products, and reducing greenhouse gas emissions. In developing countries, we also support gender equality programs, strengthen land tenure, and increase climate resiliency and adaptation. As a signatory of the United Nations Global Compact ("UNGC") on human rights, labor, environment, and anti-corruption, Tetra Tech embraces the UNGC Ten Principles as part of the strategy, culture, and daily operations of our company.

Our Sustainability Program enhances our commitment by focusing on the environmental, social, and governance impact of our business via four primary pillars: Projects – the solutions we provide for our clients; Procurement – our procurement and subcontracting approaches; Processes – the internal policies and processes that promote sustainable practices,

reduce costs, and minimize environmental impacts; and People – the 20,000 staff at Tetra Tech and our partners, clients, and communities worldwide. In addition, our program is based on the Global Reporting Initiative ("GRI") Sustainability Report Framework, the internationally accepted sustainability reporting protocol for corporate sustainability plans, which includes three fundamental areas: environmental, economic, and governance.

Our Sustainability Program is led by our Chief Sustainability Officer, who has been appointed by executive management and is supported by other key corporate and operations representatives via our Sustainability Council. We have established a clear set of metrics to evaluate our progress toward our corporate sustainability goals. Each metric corresponds with one or more performance indicators from GRI and include the following categories: environmental (greenhouse gas emissions), economic, health and safety, information technology, human resources, and real estate. We continuously implement sustainability-related policies and practices and assess the results of our efforts in order to improve upon them in the future. Our executive management team reviews and approves the Sustainability Program and evaluates our progress in achieving the goals and objectives outlined in our plan. As part of the UNGC, we fulfill the annual Communication on Progress via Tetra Tech's Sustainability Report Card that is published on Earth Day. Tetra Tech also participates in the Dow Jones Sustainability Index Corporate Sustainability Assessment.

Acquisitions and Divestitures

Acquisitions. We continuously evaluate the marketplace for acquisition opportunities to further our strategic growth plans. Due to our reputation, size, financial resources, geographic presence and range of services, we have numerous opportunities to acquire privately and publicly held companies or selected portions of such companies. We evaluate an acquisition opportunity based on its ability to strengthen our leadership in the markets we serve, the technologies and solutions they provide, and the additional new geographies and clients they bring. Also, during our evaluation, we examine an acquisition's ability to drive organic growth, its accretive effect on long-term earnings, and its ability to generate return on investment. Generally, we proceed with an acquisition if we believe that it will strategically expand our service offerings, improve our long-term financial performance, and increase shareholder returns.

We view acquisitions as a key component in the execution of our growth strategy, and we intend to use cash, debt or equity, as we deem appropriate, to fund acquisitions. We may acquire other businesses that we believe are synergistic and will ultimately increase our revenue and net income, strengthen our ability to achieve our strategic goals, provide critical mass with existing clients, and further expand our lines of service. We typically pay a purchase price that results in the recognition of goodwill, generally representing the intangible value of a successful business with an assembled workforce specialized in our areas of interest. Acquisitions are inherently risky, and no assurance can be given that our previous or future acquisitions will be successful or will not have a material adverse effect on our financial position, results of operations, or cash flows. All acquisitions require the approval of our Board of Directors.

Divestitures. We regularly review and evaluate our existing operations to determine whether our business model should change through the divestiture of certain businesses. Accordingly, from time to time, we may divest or wind-down certain non-core businesses and reallocate our resources to businesses that better align with our long-term strategic direction.

For detailed information regarding acquisitions, see Note 5, "Acquisitions and Divestitures" of the "Notes to Consolidated Financial Statements" included in Item 8.

Competition

The market for our services is generally competitive. We often compete with many other firms ranging from small regional firms to large international firms.

We perform a broad spectrum of consulting, engineering, and technical services across the water, environment, sustainable infrastructure, resource management, energy, and international development markets. Our client base includes U.S. federal government agencies such as the DoD, USAID, the U.S. Department of Energy ("DOE"), the U.S. Environmental Protection Agency ("EPA"), and the FAA; U.S. state and local government agencies; government and commercial clients in Canada, Australia, and the United Kingdom; the U.S. commercial sector, which consists primarily of large industrial companies and utilities; and our international commercial clients. Our competition varies and is a function of the business areas in which, and the client sectors for which, we perform our services. The number of competitors for any procurement can vary widely, depending upon technical qualifications, the relative value of the project, geographic location, the financial terms and risks associated with the work, and any restrictions placed upon competition by the client. Historically, clients have chosen among competing firms by weighing the quality, innovation and timeliness of the firm's service versus its cost to determine which firm offers the best value. When less work becomes available in certain markets, price could become an increasingly important factor.

Our competitors vary depending on end markets and clients, and often we may only compete with a portion of a firm. We believe that our principal competitors include the following firms, in alphabetical order: AECOM; Arcadis NV; Black & Veatch Corporation; Booz Allen Hamilton; Brown & Caldwell; CDM Smith Inc.; Chemonics International, Inc.;

Exponent, Inc.; GHD; ICF International, Inc.; Jacobs Engineering Group Inc.; Leidos, Inc.; SAIC; SNC-Lavalin Group Inc.; Stantec Inc.; TRC Companies, Inc.; Weston Solutions, Inc.; and WSP Global Inc.

Backlog

We include in our backlog only those contracts for which funding has been provided and work authorization has been received. We estimate that approximately 58% of our backlog at the end of fiscal 2020 will be recognized as revenue in fiscal 2021, as work is being performed. However, we cannot guarantee that the revenue projected in our backlog will be realized or, if realized, will result in profits. In addition, project cancellations or scope adjustments may occur with respect to contracts reflected in our backlog. For example, certain of our contracts with the U.S. federal government and other clients are terminable at the discretion of the client, with or without cause. These types of backlog reductions could adversely affect our revenue and margins. Accordingly, our backlog as of any particular date is an uncertain indicator of our future earnings.

At fiscal 2020 year-end, our backlog was \$3.2 billion, an increase of \$147.4 million, or 4.8%, compared to fiscal 2019 year-end. Approximately \$2.2 billion and \$1.0 billion of our backlog at fiscal 2020 year-end related to GSG and CIG, respectively.

Regulations

We engage in various service activities that are subject to government oversight, including environmental laws and regulations, general government procurement laws and regulations, and other regulations and requirements imposed by the specific government agencies with which we conduct business.

Environmental. A significant portion of our business involves the planning, design, program management and construction management of pollution control facilities, as well as the assessment and management of remediation activities at hazardous waste sites, U.S. Superfund sites, and military bases. In addition, we contract with U.S. federal government entities to destroy hazardous materials. These activities require us to manage, handle, remove, treat, transport, and disposal of toxic or hazardous substances.

Some environmental laws, such as the U.S. Superfund law and similar state, provincial and local statutes, can impose liability for the entire cost of clean-up for contaminated facilities or sites upon present and former owners and operators, as well as generators, transporters, and persons arranging for the treatment or disposal of such substances. In addition, while we strive to handle hazardous and toxic substances with care and in accordance with safe methods, the possibility of accidents, leaks, spills, and events of force majeure always exist. Humans exposed to these materials, including workers or subcontractors engaged in the transportation and disposal of hazardous materials and persons in affected areas, may be injured or become ill. This could result in lawsuits that expose us to liability and substantial damage awards. Liabilities for contamination or human exposure to hazardous or toxic materials, or a failure to comply with applicable regulations, could result in substantial costs, including clean-up costs, fines, civil or criminal sanctions, third party claims for property damage or personal injury, or the cessation of remediation activities.

Certain of our business operations are covered by U.S. Public Law 85-804, which provides for government indemnification against claims and damages arising out of unusually hazardous activities performed at the request of the government. Due to changes in public policies and law, however, government indemnification may not be available in the case of any future claims or liabilities relating to other hazardous activities that we perform.

Government Procurement. The services we provide to the U.S. federal government are subject to the FAR and other rules and regulations applicable to government contracts. These rules and regulations:

- require certification and disclosure of all cost and pricing data in connection with the contract negotiations under certain contract types;
- impose accounting rules that define allowable and unallowable costs and otherwise govern our right to reimbursement under certain cost-based government contracts; and
- restrict the use and dissemination of information classified for national security purposes and the exportation of certain products and technical data.

In addition, services provided to the DoD are monitored by the Defense Contract Management Agency and audited by the DCAA. Our government clients can also terminate any of their contracts, and many of our government contracts are subject to renewal or extension annually. Further, the services we provide to state and local government clients are subject to various government rules and regulations.

Seasonality

We experience seasonal trends in our business. Our revenue and operating income are typically lower in the first half of our fiscal year, primarily due to the Thanksgiving (in the U.S.), Christmas and New Year's holidays. Many of our clients'

employees, as well as our own employees, take vacations during these holiday periods. Further, seasonal inclement weather conditions occasionally cause some of our offices to close temporarily or may hamper our project field work in the northern hemisphere's temperate and arctic regions. These occurrences result in fewer billable hours worked on projects and, correspondingly, less revenue recognized.

Potential Liability and Insurance

Our business activities could expose us to potential liability under various laws and under workplace health and safety regulations. In addition, we occasionally assume liability by contract under indemnification agreements. We cannot predict the magnitude of such potential liabilities.

We maintain a comprehensive general liability insurance policy with an umbrella policy that covers losses beyond the general liability limits. We also maintain professional errors and omissions liability and contractor's pollution liability insurance policies. We believe that both policies provide adequate coverage for our business. When we perform higher-risk work, we obtain, if available, the necessary types of insurance coverage for such activities, as is typically required by our clients.

We obtain insurance coverage through a broker that is experienced in our industry. The broker and our risk manager regularly review the adequacy of our insurance coverage. Because there are various exclusions and retentions under our policies, or an insurance carrier may become insolvent, there can be no assurance that all potential liabilities will be covered by our insurance policies or paid by our carrier.

We evaluate the risk associated with insurance claims. If we determine that a loss is probable and reasonably estimable, we establish an appropriate reserve. A reserve is not established if we determine that a claim has no merit or is not probable or reasonably estimable. Our historic levels of insurance coverage and reserves have been adequate. However, partially or completely uninsured claims, if successful and of significant magnitude, could have a material adverse effect on our business.

Human Capital Management

Employees. At fiscal 2020 year-end, we had approximately 20,000 staff worldwide. A large percentage of our employees have technical and professional backgrounds and undergraduate and/or advanced degrees, including the employees of recently acquired companies. Our professional staff includes archaeologists, architects, biologists, chemical engineers, chemists, civil engineers, data scientists, computer scientists, economists, electrical engineers, environmental engineers, environmental scientists, geologists, hydrogeologists, mechanical engineers, oceanographers, project managers and toxicologists. We consider the current relationships with our employees to be favorable. We are not aware of any employment circumstances that are likely to disrupt work at any of our facilities. See Part I, Item 1A, "Risk Factors" for a discussion of the risks related to the loss of key personnel or our inability to attract and retain qualified personnel.

Diversity and Inclusion. Tetra Tech brings together engineers and technical specialists from all backgrounds to solve our clients' most challenging problems. Our Diversity and Inclusion Policy guides the Board of Directors, management, associates, subcontractors, and partners in developing an inclusive culture. Our Diversity and Inclusion Council monitors Tetra Tech's diversity and inclusion practices and makes recommendations to the Board of Directors and Chief Executive Officer for any changes or improvements to our program.

Tetra Tech values diversity and inclusion and undertakes various efforts throughout its operations to promote these initiatives. Our current efforts are focused on three primary areas:

- *Safe work environment.* We provide training to all associates to improve their understanding of behaviors that can be perceived as discriminatory, exclusionary, and/or harassing, and provide safe avenues for associates to report such behaviors.
- *Equal employment opportunity.* Tetra Tech ensures that our practices and processes attract a diverse range of candidate, and that candidates are recruited, hired, assigned, developed, and promoted based on merit and their alignment to our values.
- *Learning and development opportunities.* To support our associates in reaching their full potential, Tetra Tech offers a wide range of internal and external learning and development opportunities. Education assistance is offered to financially support associates who seek to expand their knowledge and skill base.

As part of Tetra Tech's commitment to a culture of inclusion, in fiscal 2020 we launched our Global Resource Group ("ERG") Program, which broadens and enhances company-wide interaction opportunities for our employees. Our ERG's are open to all and involve activities for both employees whose background is the focus of the ERG and those who are supportive of the group (also known as allies). These global networks build on and coordinate with the many local networks that are already active throughout our operations and include groups focused on the experiences of Black, Latino, Women, Veterans, and LGBTQ employees.

Professional Development. Tetra Tech invests in the professional development of our associates. They are provided with training in leadership development, project management skills, and interpersonal skills development. Our focused programs are designed, taught, and facilitated by Tetra Tech leadership, consistent with our commitment to talent development. These programs include the following:

- *Tetra Tech Leadership Academy.* Tetra Tech Leadership Academy develops our high-potential associates from around the world into outstanding business leaders. Instructors for this intensive, year-long program are executive management and operational leaders. Participants are immersed in all aspects of the operations of Tetra Tech and complete challenging, real-world assignments designed to hone their leadership and management skills.
- *Project Excellence Program.* Tetra Tech develops Project Managers who are world class in their abilities and performance. The program is led by our Chief Engineer and involves extensive training on how to effectively manage all components of a project.
- *Fearless Entrepreneur Program.* Tetra Tech develops into client-oriented, business-minded professionals who are driven to understand and meet the needs of our clients. Developing professionals are challenged and mentored through a process of building client relationships. Participants take part in group discussions in a classroom setting and then are required to implement learned strategies with actual and potential clients.
- *Tetra Tech Technology Transfer (T4) and ToolTalk Webcast Series.* Tetra Tech holds webcasts to help associates around the world share technical resources and enhance their use of available internal tools and to provide better service to clients. Through the T4 and ToolTalk Webcast Series, Tetra Tech experts present and lead discussions about new technologies and programs, best practices, and opportunities for growth across our company.

By offering our associates meaningful work and career development, Tetra Tech is well positioned to continue its growth through recruitment, development, and retention of the best talent in the industry.

Executive Officers of the Registrant

The following table shows the name, age and position of each of our executive officers at November 20, 2020:

Name	Age	Position
Dan L. Batrack	62	Chairman and Chief Executive Officer
<p>Mr. Batrack joined our predecessor in 1980 and was named Chairman in January 2008. He has served as our Chief Executive Officer and a director since November 2005, and as our President from October 2008 to September 2019. Mr. Batrack has served in numerous capacities over the last 40 years, including arctic research scientist, deep water oceanographic hydrographer, coastal hydrodynamic modeler, environmental data analyst, project and program manager, President of the Engineering Division, and in 2004 he was appointed Chief Operating Officer. He has managed complex programs for many small and Fortune 500 clients, both in the United States and internationally. Mr. Batrack holds a B.A. degree in Business Administration from the University of Washington.</p>		
Leslie L. Shoemaker	63	President
<p>Dr. Shoemaker was appointed President in September 2019, having previously served as President of WEI Business Group from April 2015 to November 2017, and CIG from November 2017 to September 2019. Dr. Shoemaker joined us in 1991, and has served in various management capacities, including project and program manager, water resources manager and infrastructure group president. From 2005 to 2015, she led our strategic planning, business development and company-wide collaboration programs. Her technical expertise is in the management of large-scale watershed and master planning studies, development of modeling tools and application of optimization tools for decision making. Additionally, she is our Chief Sustainability Officer who leads our Sustainability Council to implement sustainability-related policies and practices company-wide. Dr. Shoemaker holds a B.A. degree in Mathematics from Hamilton College, a Master of Engineering from Cornell University and a Ph.D. in Agricultural Engineering from the University of Maryland.</p>		
Steven M. Burdick	56	Executive Vice President, Chief Financial Officer
<p>Mr. Burdick has served as our Executive Vice President, Chief Financial Officer since April 2011. He served as our Senior Vice President and Corporate Controller from January 2004 to March 2011. Mr. Burdick joined us in April 2003 as Vice President, Management Audit. Previously, Mr. Burdick served in senior financial and executive positions with Aura Systems, Inc., TRW Ventures, and Ernst & Young LLP. Mr. Burdick holds a B.S. degree in Business Administration from Santa Clara University and is a Certified Public Accountant.</p>		

Name	Age	Position
Derek G. Amidon	53	Senior Vice President, President of CIG and the Client Account Management Division of CIG
<p>Mr. Amidon was appointed President of CIG in September 2019, in addition to his role as President of CIG's Client Account Management Division. Mr. Amidon has served as a project manager, key account manager, operations manager, and regional manager since joining us in 2012. He has managed a variety of complex, high profile programs for key clients, including Fortune 100 companies. His focus has been on leading high value consulting services that deliver scientific, engineering and regulatory solutions for challenging environmental, engineering, permitting and public relations problems for energy, industrial, institutional and custodial trust clients. He has managed projects in the U.S., Africa, Australia, Europe, and the Caribbean. In addition to experience in both public and private consulting and engineering firms over his 24-year career, Mr. Amidon also served in a variety of business leadership and project development roles at Hess Corporation, a leading independent oil and gas company. Mr. Amidon is a registered Professional Engineer. He holds B.S. and M.S. degrees in Civil Engineering from Brigham Young University and a M.S. in Management from Rensselaer Polytechnic Institute.</p>		
Roger R. Argus	59	Senior Vice President, President of GSG and the U.S. Government Division of GSG
<p>Mr. Argus is a chemical engineer with 35 years of experience, including 27 years with us in operational leadership, program and project management, and quality assurance for projects encompassing a broad spectrum of environmental, engineering, information technology, and disaster management services. Mr. Argus has also been responsible for managing multidisciplinary contracts and projects in support of the U.S. federal government (i.e., Navy, the U.S. Army Corps of Engineers ("USACE"), and the EPA), state and municipal agencies, and private clients nationwide. The scope of his technical experience includes planning and directing environmental programs, developing data acquisition, management and analytics solutions, fund research and development support for innovative environmental technologies and waste treatment systems, municipal resiliency, and sustainability programs. Mr. Argus holds a B.S. in Chemical Engineering from California State University, Long Beach.</p>		
William R. Brownlie	67	Senior Vice President, Chief Engineer and Corporate Risk Management Officer
<p>Dr. Brownlie was named Senior Vice President and Chief Engineer in September 2009, and Corporate Risk Management Officer in November 2013. From December 2005 to September 2009, he served as a Group President. Dr. Brownlie joined our predecessor in 1981 and was named a Senior Vice President in December 1993. Dr. Brownlie has managed various operating units and programs focusing on water resources and environmental services, including work with USACE, the U.S. Air Force, the U.S. Bureau of Reclamation and DOE. He is a registered professional engineer and has a strong technical background in water resources. Dr. Brownlie holds B.S. and M.S. degrees in Civil Engineering from the State University of New York at Buffalo and a Ph.D. in Civil Engineering from the California Institute of Technology.</p>		

Name	Age	Position
Brian N. Carter	53	Senior Vice President, Corporate Controller and Chief Accounting Officer
		Mr. Carter joined us as Vice President, Corporate Controller and Chief Accounting Officer in June 2011 and was appointed Senior Vice President in October 2012. Previously, Mr. Carter served in finance and auditing positions in private industry and with Ernst & Young LLP. Mr. Carter holds a B.S. in Business Administration from Miami University and is a Certified Public Accountant.
Craig L. Christensen	67	Senior Vice President, Chief Information Officer
		Mr. Christensen joined us in 1998 through the acquisition of our Tetra Tech NUS, Inc. ("NUS") subsidiary. He is responsible for our information services and technologies, including the implementation of our enterprise resource planning system. Previously, Mr. Christensen held positions at NUS, Brown and Root Services, and Landmark Graphics subsidiaries of Halliburton Company where his responsibilities included contracts administration, finance, and system development. Prior to his service at Halliburton, Mr. Christensen held positions at Burroughs Corporation and Apple Computer. Mr. Christensen holds B.A. and M.B.A. degrees from Brigham Young University.
Preston Hopson	44	Senior Vice President, General Counsel and Secretary
		Mr. Hopson was appointed Senior Vice President, General Counsel and Secretary to the Board of Directors in January 2018. He also serves as the Chief Compliance Officer. For the prior 10 years, Mr. Hopson served as Vice President, Assistant General Counsel and Assistant Corporate Secretary at the engineering and infrastructure firm AECOM. Prior to this, he was a Senior Associate at the law firm O'Melveny & Myers LLP. Mr. Hopson began his career as a judicial clerk on the U.S. Court of Appeals for the Ninth Circuit. Mr. Hopson holds B.A. and J.D. degrees from Yale University.
Richard A. Lemmon	61	Senior Vice President, Corporate Administration
		Mr. Lemmon joined our predecessor in 1981 in a technical capacity and became a member of its corporate staff in a management position in 1985. In 1988, at the time of our predecessor's divestiture from Honeywell, Inc., Mr. Lemmon structured and managed many of our corporate functions. He is currently responsible for insurance, health and safety and facilities.
Brendan M. O'Rourke	47	Senior Vice President, Enterprise Risk Management
		Mr. O'Rourke joined us in January 2018 as Vice President, Enterprise Risk Management and was appointed Senior Vice President, Enterprise Risk Management in November 2018. For the prior 10 years, Mr. O'Rourke served as Assistant Vice President of Professional Liability Claims at AIG. Prior to this, he was a Senior Associate at the law firm of Seyfarth Shaw in Boston, Massachusetts. Mr. O'Rourke has more than twenty years of experience in risk management, contract negotiation, claim resolution and litigation within the construction industry. Mr. O'Rourke holds a J.D. from Suffolk Law School and a B.A. from Worcester State University.

Name	Age	Position
Mark A. Rynning	59	Senior Vice President, President of the Resilient and Sustainable Infrastructure Division of GSG

Mr. Rynning has more than 30 years of engineering consulting experience with us. He is a registered professional engineer and has served us in numerous capacities including project manager, operations manager, and operating unit leader. He has managed large water infrastructure programs for state and local agencies throughout the United States. Mr. Rynning has broad experience in planning and design of water and wastewater infrastructure, utility master planning, and design of water and wastewater transmission and collection systems. In addition, Mr. Rynning has planned and designed reverse osmosis water treatment plants and advanced wastewater treatment systems. He has provided expert advisory services to numerous municipal clients for utility system acquisitions. He holds a B.S. in Civil Engineering and a Master of Business Administration, both from the University of Florida.

Bernard Teufele	55	Senior Vice President, President of the Canada and South America Division of CIG
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Mr. Teufele joined us through an acquisition in 2010. He has over 22 years of consulting engineering experience as a leader of a highly diversified, high-end infrastructure practice and as a technical expert in the field of infrastructure monitoring and asset management. Prior to his current role, Mr. Teufele has managed operating units of increasing size and complexity with a primary focus on infrastructure, environmental sciences, civil transportation, and mining-related services doing work for municipal, provincial, and federal government clients in Canada. He has managed key provincial infrastructure programs in Canada with a particular focus on the monitoring and assessment of roadway infrastructure and the development of asset management programs. Mr. Teufele has a B.Sc. in Applied Science from the University of British Columbia.

Available Information

Our website address is www.tetrattech.com. We made available, free electronic copies of our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and all amendments to those reports through the “Investor Relations” portion of our website, under the heading “SEC Filings” filed under “Financial Information.” These reports are available on our website as soon as reasonably practicable after we electronically file them with the Securities and Exchange Commission (“SEC”). These reports, and any amendments to them, are also available at the Internet website of the SEC, <http://www.sec.gov>. Also available on our website are our Corporate Governance Policies, Board Committees, Corporate Code of Conduct and Finance Code of Professional Conduct.

Item 1A. Risk Factors

We operate in a changing environment that involves numerous known and unknown risks and uncertainties that could materially adversely affect our operations. Set forth below and elsewhere in this report and in other documents we file with the SEC are descriptions of the risks and uncertainties that could cause our actual results to differ materially from the results contemplated by the forward-looking statements contained in this report. Additional risks we do not yet know of or that we currently think are immaterial may also affect our business operations. If any of the events or circumstances described in the following risks actually occurs, our business, financial condition or results of operations could be materially adversely affected.

Business and Operations Risk Factors

Our results of operations could be adversely affected by the coronavirus disease 2019 ("COVID-19") pandemic.

The global spread of the COVID-19 pandemic has created significant volatility, uncertainty and economic disruption. The extent to which the COVID-19 pandemic continues to impact our business, operations and financial results will depend on numerous evolving factors that we may not be able to accurately predict, including: the duration and scope of the pandemic; governmental, business and individuals’ actions that have been and continue to be taken in response to the pandemic; the impact of the pandemic on economic activity and actions taken in response; the effect on our clients’ demand for our services; our ability to provide our services, including as a result of more severe or prolonged travel restrictions and people working from home; the ability of our clients to pay for our services or their need to seek reductions of our fees; any closures of our and our clients’ offices and facilities; and the need for enhanced health and hygiene requirements or social distancing or other measures in attempts to counteract future outbreaks in our offices and facilities. Clients may also slow down decision-making, delay planned work or seek to terminate existing agreements. In addition, while governments around the world have enacted emergency relief programs designed to combat the economic impact of the pandemic, the long-term effect of such spending is uncertain and could result in future budgetary restrictions for our government clients. Any of these events could adversely affect our business, financial condition and results of operations.

Continuing worldwide political, social and economic uncertainties may adversely affect our revenue and profitability.

The last several years have been periodically marked by political, social and economic concerns, including decreased consumer confidence, the lingering effects of international conflicts, energy costs and inflation. Although certain indices and economic data have shown signs of stabilization in the United States and certain global markets, there can be no assurance that these improvements will be broad-based or sustainable. This instability can make it extremely difficult for our clients, our vendors and us to accurately forecast and plan future business activities, and could cause constrained spending on our services, delays and a lengthening of our business development efforts, the demand for more favorable pricing or other terms, and/or difficulty in collection of our accounts receivable. Our government clients may face budget deficits that prohibit them from funding proposed and existing projects. Further, ongoing economic instability in the global markets could limit our ability to access the capital markets at a time when we would like, or need, to raise capital, which could have an impact on our ability to react to changing business conditions or new opportunities. If economic conditions remain uncertain or weaken, or government spending is reduced, our revenue and profitability could be adversely affected.

Changes in tax laws could increase our tax rate and materially affect our results of operations.

We are subject to tax laws in the United States and numerous foreign jurisdictions. The incoming U.S. presidential administration has called for changes to fiscal and tax policies, which may include comprehensive tax reform. In addition, many international legislative and regulatory bodies have proposed and/or enacted legislation that could significantly impact how U.S. multinational corporations are taxed on foreign earnings. Many of these proposed and enacted changes to the taxation of our activities could increase our effective tax rate and harm our results of operations.

Demand for our services is cyclical and vulnerable to economic downturns. If economic growth slows, government fiscal conditions worsen, or client spending declines further, then our revenue, profits and financial condition may deteriorate.

Demand for our services is cyclical, and vulnerable to economic downturns and reductions in government and private industry spending. Such downturns or reductions may result in clients delaying, curtailing or canceling proposed and existing projects. Our business traditionally lags the overall recovery in the economy; therefore, our business may not recover

immediately when the economy improves. If economic growth slows, government fiscal conditions worsen, or client spending declines, then our revenue, profits and overall financial condition may deteriorate. Our government clients may face budget deficits that prohibit them from funding new or existing projects. In addition, our existing and potential clients may either postpone entering into new contracts or request price concessions. Difficult financing and economic conditions may cause some of our clients to demand better pricing terms or delay payments for services we perform, thereby increasing the average number of days our receivables are outstanding, and the potential of increased credit losses of uncollectible invoices. Further, these conditions may result in the inability of some of our clients to pay us for services that we have already performed. If we are not able to reduce our costs quickly enough to respond to the revenue decline from these clients, our operating results may be adversely affected. Accordingly, these factors affect our ability to forecast our future revenue and earnings from business areas that may be adversely impacted by market conditions.

Our international operations expose us to legal, political, and economic risks in different countries as well as currency exchange rate fluctuations that could harm our business and financial results.

In fiscal 2020, we generated 29.6% of our revenue from our international operations, primarily in Canada, Australia, the United Kingdom and from international clients for work that is performed by our domestic operations. International business is subject to a variety of risks, including:

- imposition of governmental controls and changes in laws, regulations, or policies;
- lack of developed legal systems to enforce contractual rights;
- greater risk of uncollectible accounts and longer collection cycles;
- currency exchange rate fluctuations, devaluations, and other conversion restrictions;
- uncertain and changing tax rules, regulations, and rates;
- the potential for civil unrest, acts of terrorism, force majeure, war or other armed conflict, and greater physical security risks, which may cause us to have to leave a country quickly;
- logistical and communication challenges;
- changes in regulatory practices, including tariffs and taxes;
- changes in labor conditions;
- general economic, political, and financial conditions in foreign markets; and
- exposure to civil or criminal liability under the U.S. Foreign Corrupt Practices Act ("FCPA"), the U.K. Bribery Act, the Canadian Corruption of Foreign Public Officials Act, the Brazilian Clean Companies Act, the anti-boycott rules, trade and export control regulations, as well as other international regulations.

For example, the Province of Quebec has adopted legislation that requires businesses and individuals seeking contracts with governmental bodies be certified by a Quebec regulatory authority for contracts over a specified size. Our failure to maintain certification could adversely affect our business.

International risks and violations of international regulations may significantly reduce our revenue and profits, and subject us to criminal or civil enforcement actions, including fines, suspensions, or disqualification from future U.S. federal procurement contracting. Although we have policies and procedures to monitor legal and regulatory compliance, our employees, subcontractors, and agents could take actions that violate these requirements. As a result, our international risk exposure may be more or less than the percentage of revenue attributed to our international operations.

The United Kingdom's withdrawal from the European Union could have an adverse effect on our business and financial results.

In March 2017, the United Kingdom government initiated a process to withdraw from the European Union ("Brexit") and began negotiating the terms of the separation. Brexit has created substantial economic and political uncertainty and volatility in currency exchange rates, and the terms of the United Kingdom's withdrawal from the European Union remain uncertain. The uncertainty created by Brexit may cause our customers to closely monitor their costs and reduce demand for our services and may ultimately result in new legal regulatory and cost challenges for our United Kingdom and global operations. Any of these events could adversely affect our United Kingdom, European and overall business and financial results.

We derive a substantial amount of our revenue from U.S. federal, state and local government agencies, and any disruption in government funding or in our relationship with those agencies could adversely affect our business.

In fiscal 2020, we generated 47.9% of our revenue from contracts with U.S. federal, and state and local government agencies. A significant amount of this revenue is derived under multi-year contracts, many of which are appropriated on an annual basis. As a result, at the beginning of a project, the related contract may be only partially funded, and additional funding is normally committed only as appropriations are made in each subsequent year. These appropriations, and the timing of

payment of appropriated amounts, may be influenced by numerous factors as noted below. Our backlog includes only the projects that have funding appropriated.

The demand for our U.S. government-related services is generally driven by the level of government program funding. Accordingly, the success and further development of our business depends, in large part, upon the continued funding of these U.S. government programs, and upon our ability to obtain contracts and perform well under these programs. Under the Budget Control Act of 2011, an automatic sequestration process, or across-the-board budget cuts (a large portion of which was defense-related), was triggered. The sequestration began on March 1, 2013. Although the Bipartisan Budget Act of 2013 provided some sequester relief through the end of fiscal year 2015, the sequestration requires reduced U.S. federal government spending through fiscal year 2021. A significant reduction in federal government spending, the absence of a bipartisan agreement on the federal government budget, a partial or full federal government shutdown, or a change in budgetary priorities could reduce demand for our services, cancel or delay federal projects, result in the closure of federal facilities and significant personnel reductions, and have a material and adverse impact on our business, financial condition, results of operations and cash flows.

There are several additional factors that could materially affect our U.S. government contracting business, which could cause U.S. government agencies to delay or cancel programs, to reduce their orders under existing contracts, to exercise their rights to terminate contracts or not to exercise contract options for renewals or extensions. Such factors, which include the following, could have a material adverse effect on our revenue or the timing of contract payments from U.S. government agencies:

- the failure of the U.S. government to complete its budget and appropriations process before its fiscal year-end;
- changes in and delays or cancellations of government programs, procurements, requirements or appropriations;
- budget constraints or policy changes resulting in delay or curtailment of expenditures related to the services we provide;
- re-compete of government contracts;
- the timing and amount of tax revenue received by federal, state and local governments, and the overall level of government expenditures;
- curtailment in the use of government contracting firms;
- delays associated with insufficient numbers of government staff to oversee contracts;
- the increasing preference by government agencies for contracting with small and disadvantaged businesses;
- competing political priorities and changes in the political climate regarding the funding or operation of the services we provide;
- the adoption of new laws or regulations affecting our contracting relationships with the federal, state or local governments;
- unsatisfactory performance on government contracts by us or one of our subcontractors, negative government audits or other events that may impair our relationship with federal, state or local governments;
- a dispute with or improper activity by any of our subcontractors; and
- general economic or political conditions.

Our inability to win or renew U.S. government contracts during regulated procurement processes could harm our operations and significantly reduce or eliminate our profits.

U.S. government contracts are awarded through a regulated procurement process. The U.S. federal government has increasingly relied upon multi-year contracts with pre-established terms and conditions, such as indefinite delivery/indefinite quantity (“IDIQ”) contracts, which generally require those contractors who have previously been awarded the IDIQ to engage in an additional competitive bidding process before a task order is issued. As a result, new work awards tend to be smaller and of shorter duration, since the orders represent individual tasks rather than large, programmatic assignments. In addition, we believe that there has been an increase in the award of federal contracts based on a low-price, technically acceptable criteria emphasizing price over qualitative factors, such as past performance. As a result, pricing pressure may reduce our profit margins on future federal contracts. The increased competition and pricing pressure, in turn, may require us to make sustained efforts to reduce costs in order to realize revenue, and profits under government contracts. If we are not successful in reducing the amount of costs we incur, our profitability on government contracts will be negatively impacted. Moreover, even if we are qualified to work on a government contract, we may not be awarded the contract because of existing government policies designed to protect small businesses and under-represented minority contractors. Our inability to win or renew government contracts during regulated procurement processes could harm our operations and significantly reduce or eliminate our profits.

Each year, client funding for some of our U.S. government contracts may rely on government appropriations or public-supported financing. If adequate public funding is delayed or is not available, then our profits and revenue could decline.

Each year, client funding for some of our U.S. government contracts may directly or indirectly rely on government appropriations or public-supported financing. Legislatures may appropriate funds for a given project on a year-by-year basis, even though the project may take more than one year to perform. In addition, public-supported financing such as U.S. state and local municipal bonds may be only partially raised to support existing projects. Similarly, an economic downturn may make it more difficult for U.S. state and local governments to fund projects. In addition to the state of the economy and competing political priorities, public funds and the timing of payment of these funds may be influenced by, among other things, curtailments in the use of government contracting firms, increases in raw material costs, delays associated with insufficient numbers of government staff to oversee contracts, budget constraints, the timing and amount of tax receipts, and the overall level of government expenditures. If adequate public funding is not available or is delayed, then our profits and revenue could decline.

Our U.S. federal government contracts may give government agencies the right to modify, delay, curtail, renegotiate, or terminate existing contracts at their convenience at any time prior to their completion, which may result in a decline in our profits and revenue.

U.S. federal government projects in which we participate as a contractor or subcontractor may extend for several years. Generally, government contracts include the right to modify, delay, curtail, renegotiate, or terminate contracts and subcontracts at the government's convenience any time prior to their completion. Any decision by a U.S. federal government client to modify, delay, curtail, renegotiate, or terminate our contracts at their convenience may result in a decline in our profits and revenue.

As a U.S. government contractor, we must comply with various procurement laws and regulations and are subject to regular government audits; a violation of any of these laws and regulations or the failure to pass a government audit could result in sanctions, contract termination, forfeiture of profit, harm to our reputation or loss of our status as an eligible government contractor and could reduce our profits and revenue.

We must comply with and are affected by U.S. federal, state, local, and foreign laws and regulations relating to the formation, administration and performance of government contracts. For example, we must comply with FAR, the Truth in Negotiations Act, CAS, the American Recovery and Reinvestment Act of 2009, the Services Contract Act, and the DoD security regulations, as well as many other rules and regulations. In addition, we must comply with other government regulations related to employment practices, environmental protection, health and safety, tax, accounting, and anti-fraud measures, as well as many other regulations in order to maintain our government contractor status. These laws and regulations affect how we do business with our clients and, in some instances, impose additional costs on our business operations. Although we take precautions to prevent and deter fraud, misconduct, and non-compliance, we face the risk that our employees or outside partners may engage in misconduct, fraud, or other improper activities. U.S. government agencies, such as the DCAA, routinely audit and investigate government contractors. These government agencies review and audit a government contractor's performance under its contracts and cost structure, and evaluate compliance with applicable laws, regulations, and standards. In addition, during the course of its audits, the DCAA may question our incurred project costs. If the DCAA believes we have accounted for such costs in a manner inconsistent with the requirements for FAR or CAS, the DCAA auditor may recommend to our U.S. government corporate administrative contracting officer that such costs be disallowed. Historically, we have not experienced significant disallowed costs as a result of government audits. However, we can provide no assurance that the DCAA or other government audits will not result in material disallowances for incurred costs in the future. In addition, U.S. government contracts are subject to various other requirements relating to the formation, administration, performance, and accounting for these contracts. We may also be subject to *qui tam* litigation brought by private individuals on behalf of the U.S. government under the Federal Civil False Claims Act, which could include claims for treble damages. For example, as discussed elsewhere in this report, on January 14, 2019, the Civil Division of the United States Attorney's Office filed complaints in intervention in three *qui tam* actions filed against our subsidiary, Tetra Tech EC, Inc., in the U.S. District Court for the Northern District of California. U.S. government contract violations could result in the imposition of civil and criminal penalties or sanctions, contract termination, forfeiture of profit, and/or suspension of payment, any of which could make us lose our status as an eligible government contractor. We could also suffer serious harm to our reputation. Any interruption or termination of our U.S. government contractor status could reduce our profits and revenue significantly.

If we extend a significant portion of our credit to clients in a specific geographic area or industry, we may experience disproportionately high levels of collection risk and nonpayment if those clients are adversely affected by factors particular to their geographic area or industry.

Our clients include public and private entities that have been, and may continue to be, negatively impacted by the changing landscape in the global economy. While outside of the U.S. federal government no one client accounted for over 10%

of our revenue for fiscal 2020, we face collection risk as a normal part of our business where we perform services and subsequently bill our clients for such services. In the event that we have concentrated credit risk from clients in a specific geographic area or industry, continuing negative trends or a worsening in the financial condition of that specific geographic area or industry could make us susceptible to disproportionately high levels of default by those clients. Such defaults could materially adversely impact our revenues and our results of operations.

We have made and expect to continue to make acquisitions. Acquisitions could disrupt our operations and adversely impact our business and operating results. Our failure to conduct due diligence effectively, or our inability to successfully integrate acquisitions, could impede us from realizing all of the benefits of the acquisitions, which could weaken our results of operations.

A key part of our growth strategy is to acquire other companies that complement our lines of business or that broaden our technical capabilities and geographic presence. However, our ability to make acquisitions is restricted under our credit agreement. Acquisitions involve certain known and unknown risks that could cause our actual growth or operating results to differ from our expectations or the expectations of securities analysts. For example:

- we may not be able to identify suitable acquisition candidates or to acquire additional companies on acceptable terms;
- we are pursuing international acquisitions, which inherently pose more risk than domestic acquisitions;
- we compete with others to acquire companies, which may result in decreased availability of, or increased price for, suitable acquisition candidates;
- we may not be able to obtain the necessary financing, on favorable terms or at all, to finance any of our potential acquisitions;
- we may ultimately fail to consummate an acquisition even if we announce that we plan to acquire a company; and
- acquired companies may not perform as we expect, and we may fail to realize anticipated revenue and profits.

If we fail to conduct due diligence on our potential targets effectively, we may, for example, not identify problems at target companies, or fail to recognize incompatibilities or other obstacles to successful integration. The integration process may disrupt our business and, if implemented ineffectively, may preclude realization of the full benefits expected by us and could harm our results of operations. In addition, the overall integration of the combining companies may result in unanticipated problems, expenses, liabilities, and competitive responses, and may cause our stock price to decline. The difficulties of integrating an acquisition include, among others:

- issues in integrating information, communications, and other systems;
- incompatibility of logistics, marketing, and administration methods;
- maintaining employee morale and retaining key employees;
- integrating the business cultures of both companies;
- preserving important strategic client relationships;
- consolidating corporate and administrative infrastructures, and eliminating duplicative operations; and
- coordinating and integrating geographically separate organizations.

In addition, even if the operations of an acquisition are integrated successfully, we may not realize the full benefits of the acquisition, including the synergies, cost savings or growth opportunities that we expect. These benefits may not be achieved within the anticipated time frame, or at all.

Further, acquisitions may cause us to:

- issue common stock that would dilute our current stockholders' ownership percentage;
- use a substantial portion of our cash resources;
- increase our interest expense, leverage, and debt service requirements (if we incur additional debt to fund an acquisition);
- assume liabilities, including undisclosed, contingent or environmental liabilities, for which we do not have indemnification from the former owners. Further, indemnification obligations may be subject to dispute or concerns regarding the creditworthiness of the former owners;
- record goodwill and non-amortizable intangible assets that are subject to impairment testing and potential impairment charges;
- experience volatility in earnings due to changes in contingent consideration related to acquisition earn-out liability estimates;

- incur amortization expenses related to certain intangible assets;
- lose existing or potential contracts as a result of conflict of interest issues;
- incur large and immediate write-offs; or
- become subject to litigation.

Finally, acquired companies that derive a significant portion of their revenue from the U.S. federal government and do not follow the same cost accounting policies and billing practices that we follow may be subject to larger cost disallowances for greater periods than we typically encounter. If we fail to determine the existence of unallowable costs and do not establish appropriate reserves at acquisition, we may be exposed to material unanticipated liabilities, which could have a material adverse effect on our business.

If our goodwill or intangible assets become impaired, then our profits may be significantly reduced.

Because we have historically acquired a significant number of companies, goodwill and intangible assets represent a substantial portion of our assets. As of September 27, 2020, our goodwill was \$993.5 million and other intangible assets were \$13.9 million. We are required to perform a goodwill impairment test for potential impairment at least on an annual basis. We also assess the recoverability of the unamortized balance of our intangible assets when indications of impairment are present based on expected future profitability and undiscounted expected cash flows and their contribution to our overall operations. The goodwill impairment test requires us to determine the fair value of our reporting units, which are the components one level below our reportable segments. In determining fair value, we make significant judgments and estimates, including assumptions about our strategic plans with regard to our operations. We also analyze current economic indicators and market valuations to help determine fair value. To the extent economic conditions that would impact the future operations of our reporting units change, our goodwill may be deemed to be impaired, and we would be required to record a non-cash charge that could result in a material adverse effect on our financial position or results of operations. For example, we had goodwill impairment of \$15.8 million and \$7.8 million in fiscal 2020 and 2019, respectively. We had no goodwill impairment in fiscal 2018.

We could be adversely affected by violations of the FCPA and similar worldwide anti-bribery laws.

The FCPA and similar anti-bribery laws generally prohibit companies and their intermediaries from making improper payments to foreign government officials for the purpose of obtaining or retaining business. The U.K. Bribery Act of 2010 prohibits both domestic and international bribery, as well as bribery across both private and public sectors. In addition, an organization that “fails to prevent bribery” by anyone associated with the organization can be charged under the U.K. Bribery Act unless the organization can establish the defense of having implemented “adequate procedures” to prevent bribery. Improper payments are also prohibited under the Canadian Corruption of Foreign Public Officials Act and the Brazilian Clean Companies Act. Local business practices in many countries outside the United States create a greater risk of government corruption than that found in the United States and other more developed countries. Our policies mandate compliance with anti-bribery laws, and we have established policies and procedures designed to monitor compliance with anti-bribery law requirements; however, we cannot ensure that our policies and procedures will protect us from potential reckless or criminal acts committed by individual employees or agents. If we are found to be liable for anti-bribery law violations, we could suffer from criminal or civil penalties or other sanctions that could have a material adverse effect on our business.

We could be adversely impacted if we fail to comply with domestic and international export laws.

To the extent we export technical services, data and products outside of the United States, we are subject to U.S. and international laws and regulations governing international trade and exports, including but not limited to the International Traffic in Arms Regulations, the Export Administration Regulations, and trade sanctions against embargoed countries. A failure to comply with these laws and regulations could result in civil or criminal sanctions, including the imposition of fines, the denial of export privileges, and suspension or debarment from participation in U.S. government contracts, which could have a material adverse effect on our business.

If we fail to complete a project in a timely manner, miss a required performance standard, or otherwise fail to adequately perform on a project, then we may incur a loss on that project, which may reduce or eliminate our overall profitability.

Our engagements often involve large-scale, complex projects. The quality of our performance on such projects depends in large part upon our ability to manage the relationship with our clients and our ability to effectively manage the project and deploy appropriate resources, including third-party contractors and our own personnel, in a timely manner. We may commit to a client that we will complete a project by a scheduled date. We may also commit that a project, when completed, will achieve specified performance standards. If the project is not completed by the scheduled date or fails to meet required performance standards, we may either incur significant additional costs or be held responsible for the costs incurred by the client to rectify damages due to late completion or failure to achieve the required performance standards. The uncertainty of the timing of a project can present difficulties in planning the amount of personnel needed for the project. If the project is delayed

or canceled, we may bear the cost of an underutilized workforce that was dedicated to fulfilling the project. In addition, performance of projects can be affected by a number of factors beyond our control, including unavoidable delays from government inaction, public opposition, inability to obtain financing, weather conditions, unavailability of vendor materials, changes in the project scope of services requested by our clients, industrial accidents, environmental hazards, and labor disruptions. To the extent these events occur, the total costs of the project could exceed our estimates, and we could experience reduced profits or, in some cases, incur a loss on a project, which may reduce or eliminate our overall profitability. Further, any defects or errors, or failures to meet our clients' expectations, could result in claims for damages against us. Failure to meet performance standards or complete performance on a timely basis could also adversely affect our reputation.

The loss of key personnel or our inability to attract and retain qualified personnel could impair our ability to provide services to our clients and otherwise conduct our business effectively.

As primarily a professional and technical services company, we are labor-intensive and, therefore, our ability to attract, retain, and expand our senior management and our professional and technical staff is an important factor in determining our future success. The market for qualified scientists and engineers is competitive and, from time to time, it may be difficult to attract and retain qualified individuals with the required expertise within the timeframe demanded by our clients. For example, some of our U.S. government contracts may require us to employ only individuals who have particular government security clearance levels. In addition, if we are unable to retain executives and other key personnel, the roles and responsibilities of those employees will need to be filled, which may require that we devote time and resources to identify, hire, and integrate new employees. The loss of the services of any of these key personnel could adversely affect our business. Our failure to attract and retain key individuals could impair our ability to provide services to our clients and conduct our business effectively.

Our revenue and growth prospects may be harmed if we or our employees are unable to obtain government granted eligibility or other qualifications we and they need to perform services for our customers.

A number of government programs require contractors to have certain kinds of government granted eligibility, such as security clearance credentials. Depending on the project, eligibility can be difficult and time-consuming to obtain. If we or our employees are unable to obtain or retain the necessary eligibility, we may not be able to win new business, and our existing customers could terminate their contracts with us or decide not to renew them. To the extent we cannot obtain or maintain the required security clearances for our employees working on a particular contract, we may not derive the revenue or profit anticipated from such contract.

Our actual business and financial results could differ from the estimates and assumptions that we use to prepare our consolidated financial statements, which may significantly reduce or eliminate our profits.

To prepare consolidated financial statements in conformity with generally accepted accounting principles in the U.S. ("U.S. GAAP"), management is required to make estimates and assumptions as of the date of the consolidated financial statements. These estimates and assumptions affect the reported values of assets, liabilities, revenue and expenses, as well as disclosures of contingent assets and liabilities. For example, we typically recognize revenue over the life of a contract based on the proportion of costs incurred to date compared to the total costs estimated to be incurred for the entire project. Areas requiring significant estimates by our management include:

- the application of the percentage-of-completion method of accounting and revenue recognition on contracts, change orders, and contract claims, including related unbilled accounts receivable;
- unbilled accounts receivable, including amounts related to requests for equitable adjustment to contracts that provide for price redetermination, primarily with the U.S. federal government. These amounts are recorded only when they can be reliably estimated, and realization is probable;
- provisions for uncollectible receivables, client claims, and recoveries of costs from subcontractors, vendors, and others;
- provisions for income taxes, research and development tax credits, valuation allowances, and unrecognized tax benefits;
- value of goodwill and recoverability of intangible assets;
- valuations of assets acquired and liabilities assumed in connection with business combinations;
- valuation of contingent earn-out liabilities recorded in connection with business combinations;
- valuation of employee benefit plans;
- valuation of stock-based compensation expense; and
- accruals for estimated liabilities, including litigation and insurance reserves.

Our actual business and financial results could differ from those estimates, which may significantly reduce or eliminate our profits.

Our profitability could suffer if we are not able to maintain adequate utilization of our workforce.

The cost of providing our services, including the extent to which we utilize our workforce, affects our profitability. The rate at which we utilize our workforce is affected by a number of factors, including:

- our ability to transition employees from completed projects to new assignments and to hire and assimilate new employees;
- our ability to forecast demand for our services and thereby maintain an appropriate headcount in each of our geographies and operating units;
- our ability to engage employees in assignments during natural disasters or pandemics;
- our ability to manage attrition;
- our need to devote time and resources to training, business development, professional development, and other non-chargeable activities; and
- our ability to match the skill sets of our employees to the needs of the marketplace.

If we over-utilize our workforce, our employees may become disengaged, which could impact employee attrition. If we under-utilize our workforce, our profit margin and profitability could suffer.

Our use of the percentage-of-completion method of revenue recognition could result in a reduction or reversal of previously recorded revenue and profits.

We account for most of our contracts on the percentage-of-completion method of revenue recognition. Generally, our use of this method results in recognition of revenue and profit ratably over the life of the contract, based on the proportion of costs incurred to date to total costs expected to be incurred for the entire project. The effects of revisions to estimated revenue and costs, including the achievement of award fees and the impact of change orders and claims, are recorded when the amounts are known and can be reasonably estimated. Such revisions could occur in any period and their effects could be material. Although we have historically made reasonably reliable estimates of the progress towards completion of long-term contracts, the uncertainties inherent in the estimating process make it possible for actual costs to vary materially from estimates, including reductions or reversals of previously recorded revenue and profit.

If we are unable to accurately estimate and control our contract costs, then we may incur losses on our contracts, which could decrease our operating margins and reduce our profits. Specifically, our fixed-price contracts could increase the unpredictability of our earnings.

It is important for us to accurately estimate and control our contract costs so that we can maintain positive operating margins and profitability. We generally enter into three principal types of contracts with our clients: fixed-price, time-and-materials and cost-plus.

The U.S. federal government and certain other clients have increased the use of fixed-priced contracts. Under fixed-price contracts, we receive a fixed price irrespective of the actual costs we incur and, consequently, we are exposed to a number of risks. We realize a profit on fixed-price contracts only if we can control our costs and prevent cost over-runs on our contracts. Fixed-price contracts require cost and scheduling estimates that are based on a number of assumptions, including those about future economic conditions, costs, and availability of labor, equipment and materials, and other exigencies. We could experience cost over-runs if these estimates are originally inaccurate as a result of errors or ambiguities in the contract specifications, or become inaccurate as a result of a change in circumstances following the submission of the estimate due to, among other things, unanticipated technical problems, difficulties in obtaining permits or approvals, changes in local laws or labor conditions, weather delays, changes in the costs of raw materials, or the inability of our vendors or subcontractors to perform. If cost overruns occur, we could experience reduced profits or, in some cases, a loss for that project. If a project is significant, or if there are one or more common issues that impact multiple projects, costs overruns could increase the unpredictability of our earnings, as well as have a material adverse impact on our business and earnings.

Under our time-and-materials contracts, we are paid for labor at negotiated hourly billing rates and paid for other expenses. Profitability on these contracts is driven by billable headcount and cost control. Many of our time-and-materials contracts are subject to maximum contract values and, accordingly, revenue relating to these contracts is recognized as if these contracts were fixed-price contracts. Under our cost-plus contracts, some of which are subject to contract ceiling amounts, we are reimbursed for allowable costs and fees, which may be fixed or performance-based. If our costs exceed the contract ceiling or are not allowable under the provisions of the contract or any applicable regulations, we may not be able to obtain reimbursement for all of the costs we incur.

Profitability on our contracts is driven by billable headcount and our ability to manage our subcontractors, vendors, and material suppliers. If we are unable to accurately estimate and manage our costs, we may incur losses on our contracts, which could decrease our operating margins and significantly reduce or eliminate our profits. Certain of our contracts require us

to satisfy specific design, engineering, procurement, or construction milestones in order to receive payment for the work completed or equipment or supplies procured prior to achievement of the applicable milestone. As a result, under these types of arrangements, we may incur significant costs or perform significant amounts of services prior to receipt of payment. If a client determines not to proceed with the completion of the project or if the client defaults on its payment obligations, we may face difficulties in collecting payment of amounts due to us for the costs previously incurred or for the amounts previously expended to purchase equipment or supplies.

Accounting for a contract requires judgments relative to assessing the contract's estimated risks, revenue, costs, and other technical issues. Due to the size and nature of many of our contracts, the estimation of overall risk, revenue, and cost at completion is complicated and subject to many variables. Changes in underlying assumptions, circumstances, or estimates may also adversely affect future period financial performance. If we are unable to accurately estimate the overall revenue or costs on a contract, then we may experience a lower profit or incur a loss on the contract.

Our failure to adequately recover on claims brought by us against clients for additional contract costs could have a negative impact on our liquidity and profitability.

We have brought claims against clients for additional costs exceeding the contract price or for amounts not included in the original contract price. These types of claims occur due to matters such as client-caused delays or changes from the initial project scope, both of which may result in additional cost. Often, these claims can be the subject of lengthy arbitration or litigation proceedings, and it is difficult to accurately predict when these claims will be fully resolved. When these types of events occur and unresolved claims are pending, we have used working capital in projects to cover cost overruns pending the resolution of the relevant claims. A failure to promptly recover on these types of claims could have a negative impact on our liquidity and profitability. Total accounts receivable at September 27, 2020 included approximately \$14 million related to such claims.

Our failure to win new contracts and renew existing contracts with private and public sector clients could adversely affect our profitability.

Our business depends on our ability to win new contracts and renew existing contracts with private and public sector clients. Contract proposals and negotiations are complex and frequently involve a lengthy bidding and selection process, which is affected by a number of factors. These factors include market conditions, financing arrangements, and required governmental approvals. If negative market conditions arise, or if we fail to secure adequate financial arrangements or the required government approval, we may not be able to pursue certain projects, which could adversely affect our profitability.

If we are not able to successfully manage our growth strategy, our business and results of operations may be adversely affected.

Our expected future growth presents numerous managerial, administrative, operational, and other challenges. Our ability to manage the growth of our operations will require us to continue to improve our management information systems and our other internal systems and controls. In addition, our growth will increase our need to attract, develop, motivate, and retain both our management and professional employees. The inability to effectively manage our growth or the inability of our employees to achieve anticipated performance could have a material adverse effect on our business.

Our backlog is subject to cancellation, unexpected adjustments and changing economic conditions, and is an uncertain indicator of future operating results.

Our backlog at September 27, 2020 was \$3.2 billion, an increase of \$147.4 million, or 4.8%, compared to the end of fiscal 2019. We include in backlog only those contracts for which funding has been provided and work authorizations have been received. We cannot guarantee that the revenue projected in our backlog will be realized or, if realized, will result in profits. In addition, project cancellations or scope adjustments may occur, from time to time, with respect to contracts reflected in our backlog. For example, certain of our contracts with the U.S. federal government and other clients are terminable at the discretion of the client, with or without cause. These types of backlog reductions could adversely affect our revenue and margins. As a result of these factors, our backlog as of any particular date is an uncertain indicator of our future earnings.

Cyber security breaches of our systems and information technology could adversely impact our ability to operate.

We develop, install and maintain information technology systems for ourselves, as well as for customers. Client contracts for the performance of information technology services, as well as various privacy and securities laws, require us to manage and protect sensitive and confidential information, including federal and other government information, from disclosure. We also need to protect our own internal trade secrets and other business confidential information, as well as personal data of our employees and contractors, from disclosure. For example, the European Union's General Data Protection Regulation ("GDPR") extends the scope of the European Union data protection laws to all companies processing data of European Union residents, regardless of the company's location. In addition, the California Consumer Privacy Act ("CCPA"),

which became effective in January 2020, increases the penalties for data privacy incidents. The GDPR and CCPA are just examples of privacy regulations that are emerging in locations where we work.

We face the threat to our computer systems of unauthorized access, computer hackers, computer viruses, malicious code, organized cyber-attacks and other security problems and system disruptions, including possible unauthorized access to our and our clients' proprietary or classified information. We rely on industry-accepted security measures and technology to securely maintain all confidential and proprietary information on our information systems. In addition, we rely on the security of third-party service providers, vendors, and cloud services providers to protect confidential data. In the ordinary course of business, we have been targeted by malicious cyber-attacks. A user who circumvents security measures could misappropriate confidential or proprietary information, including information regarding us, our personnel and/or our clients, or cause interruptions or malfunctions in operations. As a result, we may be required to expend significant resources to protect against the threat of these system disruptions and security breaches or to alleviate problems caused by these disruptions and breaches.

We also rely in part on third-party software and information technology vendors to run our critical accounting, project management and financial information systems. We depend on our software and information technology vendors to provide long-term software and hardware support for our information systems. Our software and information technology vendors may decide to discontinue further development, integration or long-term software and hardware support for our information systems, in which case we may need to abandon one or more of our current information systems and migrate some or all of our accounting, project management and financial information to other systems, thus increasing our operational expense, as well as disrupting the management of our business operations. Any of these events could damage our reputation and have a material adverse effect on our business, financial condition, results of operations and cash flows.

If our business partners fail to perform their contractual obligations on a project, we could be exposed to legal liability, loss of reputation and profit reduction or loss on the project.

We routinely enter into subcontracts and, occasionally, joint ventures, teaming arrangements, and other contractual arrangements so that we can jointly bid and perform on a particular project. Success under these arrangements depends in large part on whether our business partners fulfill their contractual obligations satisfactorily. In addition, when we operate through a joint venture in which we are a minority holder, we have limited control over many project decisions, including decisions related to the joint venture's internal controls, which may not be subject to the same internal control procedures that we employ. If these unaffiliated third parties do not fulfill their contract obligations, the partnerships or joint ventures may be unable to adequately perform and deliver their contracted services. Under these circumstances, we may be obligated to pay financial penalties, provide additional services to ensure the adequate performance and delivery of the contracted services, and may be jointly and severally liable for the other's actions or contract performance. These additional obligations could result in reduced profits and revenues or, in some cases, significant losses for us with respect to the joint venture, which could also affect our reputation in the industries we serve.

If our contractors and subcontractors fail to satisfy their obligations to us or other parties, or if we are unable to maintain these relationships, our revenue, profitability, and growth prospects could be adversely affected.

We depend on contractors and subcontractors in conducting our business. There is a risk that we may have disputes with our subcontractors arising from, among other things, the quality and timeliness of work performed by the subcontractor, client concerns about the subcontractor, or our failure to extend existing task orders or issue new task orders under a subcontract. In addition, if a subcontractor fails to deliver on a timely basis the agreed-upon supplies, fails to perform the agreed-upon services, or goes out of business, then we may be required to purchase the services or supplies from another source at a higher price, and our ability to fulfill our obligations as a prime contractor may be jeopardized. This may reduce the profit to be realized or result in a loss on a project for which the services or supplies are needed.

We also rely on relationships with other contractors when we act as their subcontractor or joint venture partner. The absence of qualified subcontractors with which we have a satisfactory relationship could adversely affect the quality of our service and our ability to perform under some of our contracts. Our future revenue and growth prospects could be adversely affected if other contractors eliminate or reduce their subcontracts or teaming arrangement relationships with us, or if a government agency terminates or reduces these other contractors' programs, does not award them new contracts, or refuses to pay under a contract.

Our failure to meet contractual schedule or performance requirements that we have guaranteed could adversely affect our operating results.

In certain circumstances, we can incur liquidated or other damages if we do not achieve project completion by a scheduled date. If we or an entity for which we have provided a guarantee subsequently fails to complete the project as scheduled and the matter cannot be satisfactorily resolved with the client, we may be responsible for cost impacts to the client resulting from any delay or the cost to complete the project. Our costs generally increase from schedule delays and/or could exceed our projections for a particular project. In addition, project performance can be affected by a number of factors beyond

our control, including unavoidable delays from governmental inaction, public opposition, inability to obtain financing, weather conditions, unavailability of vendor materials, changes in the project scope of services requested by our clients, industrial accidents, environmental hazards, labor disruptions and other factors. As a result, material performance problems for existing and future contracts could cause actual results of operations to differ from those anticipated by us and could cause us to suffer damage to our reputation within our industry and client base.

New legal requirements could adversely affect our operating results.

Our business and results of operations could be adversely affected by the passage of climate change, defense, environmental, infrastructure and other legislation, policies and regulations. Growing concerns about climate change may result in the imposition of additional environmental regulations. For example, legislation, international protocols, regulation or other restrictions on emissions could increase the costs of projects for our clients or, in some cases, prevent a project from going forward, thereby potentially reducing the need for our services. In addition, relaxation or repeal of laws and regulations, or changes in governmental policies regarding environmental, defense, infrastructure or other industries we serve could result in a decline in demand for our services, which could in turn negatively impact our revenues. We cannot predict when or whether any of these various proposals may be enacted or what their effect will be on us or on our customers.

Changes in resource management, environmental, or infrastructure industry laws, regulations, and programs could directly or indirectly reduce the demand for our services, which could in turn negatively impact our revenue.

Some of our services are directly or indirectly impacted by changes in U.S. federal, state, local or foreign laws and regulations pertaining to the resource management, environmental, and infrastructure industries. Accordingly, a relaxation or repeal of these laws and regulations, or changes in governmental policies regarding the funding, implementation or enforcement of these programs, could result in a decline in demand for our services, which could in turn negatively impact our revenue.

Changes in capital markets could adversely affect our access to capital and negatively impact our business.

Our results could be adversely affected by an inability to access the revolving credit facility under our credit agreement. Unfavorable financial or economic conditions could impact certain lenders' willingness or ability to fund our revolving credit facility. In addition, increases in interest rates or credit spreads, volatility in financial markets or the interest rate environment, significant political or economic events, defaults of significant issuers, and other market and economic factors, may negatively impact the general level of debt issuance, the debt issuance plans of certain categories of borrowers, the types of credit-sensitive products being offered, and/or a sustained period of market decline or weakness could have a material adverse effect on us.

Restrictive covenants in our credit agreement may restrict our ability to pursue certain business strategies.

Our credit agreement limits or restricts our ability to, among other things:

- incur additional indebtedness;
- create liens securing debt or other encumbrances on our assets;
- make loans or advances;
- pay dividends or make distributions to our stockholders;
- purchase or redeem our stock;
- repay indebtedness that is junior to indebtedness under our credit agreement;
- acquire the assets of, or merge or consolidate with, other companies; and
- sell, lease, or otherwise dispose of assets.

Our credit agreement also requires that we maintain certain financial ratios, which we may not be able to achieve. The covenants may impair our ability to finance future operations or capital needs or to engage in other favorable business activities.

Our industry is highly competitive, and we may be unable to compete effectively, which could result in reduced revenue, profitability and market share.

We are engaged in a highly competitive business. The markets we serve are highly fragmented and we compete with many regional, national and international companies. Certain of these competitors have greater financial and other resources than we do. Others are smaller and more specialized and concentrate their resources in particular areas of expertise. The extent of our competition varies according to certain markets and geographic area. In addition, the technical and professional aspects of some of our services generally do not require large upfront capital expenditures and provide limited barriers against new competitors. Our clients make competitive determinations based upon qualifications, experience, performance, reputation, technology, customer relationships and ability to provide the relevant services in a timely, safe and cost-efficient manner. This competitive environment could force us to make price concessions or otherwise reduce prices for our services. If we are unable to maintain our competitiveness and win bids for future projects, our market share, revenue, and profits will decline.

Legal proceedings, investigations, and disputes could result in substantial monetary penalties and damages, especially if such penalties and damages exceed or are excluded from existing insurance coverage.

We engage in consulting, engineering, program management, construction management, construction, and technical services that can result in substantial injury or damages that may expose us to legal proceedings, investigations, and disputes. For example, in the ordinary course of our business, we may be involved in legal disputes regarding personal injury claims, employee or labor disputes, professional liability claims, and general commercial disputes involving project cost overruns and liquidated damages, as well as other claims. In addition, in the ordinary course of our business, we frequently make professional judgments and recommendations about environmental and engineering conditions of project sites for our clients, and we may be deemed to be responsible for these judgments and recommendations if they are later determined to be inaccurate. Any unfavorable legal ruling against us could result in substantial monetary damages or even criminal violations. We maintain insurance coverage as part of our overall legal and risk management strategy to minimize our potential liabilities; however, insurance coverage contains exclusions and other limitations that may not cover our potential liabilities. Generally, our insurance program covers workers' compensation and employer's liability, general liability, automobile liability, professional errors and omissions liability, property, and contractor's pollution liability (in addition to other policies for specific projects). Our insurance program includes deductibles or self-insured retentions for each covered claim that may increase over time. In addition, our insurance policies contain exclusions that insurance providers may use to deny or restrict coverage. Excess liability and professional liability insurance policies provide for coverage on a "claims-made" basis, covering only claims actually made and reported during the policy period currently in effect. If we sustain liabilities that exceed or that are excluded from our insurance coverage, or for which we are not insured, it could have a material adverse impact on our financial condition, results of operations and cash flows.

Unavailability or cancellation of third-party insurance coverage would increase our overall risk exposure as well as disrupt the management of our business operations.

We maintain insurance coverage from third-party insurers as part of our overall risk management strategy and because some of our contracts require us to maintain specific insurance coverage limits. If any of our third-party insurers fail, suddenly cancel our coverage, or otherwise are unable to provide us with adequate insurance coverage, then our overall risk exposure and our operational expenses would increase, and the management of our business operations would be disrupted. In addition, there can be no assurance that any of our existing insurance coverage will be renewable upon the expiration of the coverage period or that future coverage will be affordable at the required limits.

Our inability to obtain adequate bonding could have a material adverse effect on our future revenue and business prospects.

Certain clients require bid bonds, and performance and payment bonds. These bonds indemnify the client should we fail to perform our obligations under a contract. If a bond is required for a certain project and we are unable to obtain an appropriate bond, we cannot pursue that project. In some instances, we are required to co-venture with a small or disadvantaged business to pursue certain government contracts. In connection with these ventures, we are sometimes required to utilize our bonding capacity to cover all of the obligations under the contract with the client. We have a bonding facility but, as is typically the case, the issuance of bonds under that facility is at the surety's sole discretion. Moreover, bonding may be more difficult to obtain or may only be available at significant additional cost. There can be no assurance that bonds will continue to be available to us on reasonable terms. Our inability to obtain adequate bonding and, as a result, to bid on new work could have a material adverse effect on our future revenue and business prospects.

Employee, agent, or partner misconduct, or our failure to comply with anti-bribery and other laws or regulations, could harm our reputation, reduce our revenue and profits, and subject us to criminal and civil enforcement actions.

Misconduct, fraud, non-compliance with applicable laws and regulations, or other improper activities by one of our employees, agents, or partners could have a significant negative impact on our business and reputation. Such misconduct could include the failure to comply with government procurement regulations, regulations regarding the protection of classified information, regulations prohibiting bribery and other foreign corrupt practices, regulations regarding the pricing of labor and other costs in government contracts, regulations on lobbying or similar activities, regulations pertaining to the internal controls over financial reporting, environmental laws, and any other applicable laws or regulations. For example, as previously noted, the FCPA and similar anti-bribery laws in other jurisdictions generally prohibit companies and their intermediaries from making improper payments to non-U.S. officials for the purpose of obtaining or retaining business. Our policies mandate compliance with these regulations and laws, and we take precautions to prevent and detect misconduct. However, since our internal controls are subject to inherent limitations, including human error, it is possible that these controls could be intentionally circumvented or become inadequate because of changed conditions. As a result, we cannot assure that our controls will protect us from reckless or criminal acts committed by our employees or agents. Our failure to comply with applicable laws or regulations, or acts of misconduct could subject us to fines and penalties, loss of security clearances, and suspension or

debarment from contracting, any or all of which could harm our reputation, reduce our revenue and profits, and subject us to criminal and civil enforcement actions.

Our business activities may require our employees to travel to and work in countries where there are high security risks, which may result in employee death or injury, repatriation costs or other unforeseen costs.

Certain of our contracts may require our employees travel to and work in high-risk countries that are undergoing political, social, and economic upheavals resulting from war, civil unrest, criminal activity, acts of terrorism, or public health crises. For example, we currently have employees working in high security risk countries such as Afghanistan and Iraq. As a result, we risk loss of or injury to our employees and may be subject to costs related to employee death or injury, repatriation, or other unforeseen circumstances. We may choose or be forced to leave a country with little or no warning due to physical security risks.

Our failure to implement and comply with our safety program could adversely affect our operating results or financial condition.

Our project sites often put our employees and others in close proximity with mechanized equipment, moving vehicles, chemical and manufacturing processes, and highly regulated materials. On some project sites, we may be responsible for safety, and, accordingly, we have an obligation to implement effective safety procedures. Our safety program is a fundamental element of our overall approach to risk management, and the implementation of the safety program is a significant issue in our dealings with our clients. We maintain an enterprise-wide group of health and safety professionals to help ensure that the services we provide are delivered safely and in accordance with standard work processes. Unsafe job sites and office environments have the potential to increase employee turnover, increase the cost of a project to our clients, expose us to types and levels of risk that are fundamentally unacceptable, and raise our operating costs. The implementation of our safety processes and procedures are monitored by various agencies, including the U.S. Mine Safety and Health Administration (“MSHA”), and rating bureaus, and may be evaluated by certain clients in cases in which safety requirements have been established in our contracts. Our failure to meet these requirements or our failure to properly implement and comply with our safety program could result in reduced profitability, the loss of projects or clients, or potential litigation, and could have a material adverse effect on our business, operating results, or financial condition.

We may be precluded from providing certain services due to conflict of interest issues.

Many of our clients are concerned about potential or actual conflicts of interest in retaining management consultants. U.S. federal government agencies have formal policies against continuing or awarding contracts that would create actual or potential conflicts of interest with other activities of a contractor. These policies may prevent us from bidding for or performing government contracts resulting from or relating to certain work we have performed. In addition, services performed for a commercial or government client may create a conflict of interest that precludes or limits our ability to obtain work from other public or private organizations. We have, on occasion, declined to bid on projects due to conflict of interest issues.

If our reports and opinions are not in compliance with professional standards and other regulations, we could be subject to monetary damages and penalties.

We issue reports and opinions to clients based on our professional engineering expertise, as well as our other professional credentials. Our reports and opinions may need to comply with professional standards, licensing requirements, securities regulations, and other laws and rules governing the performance of professional services in the jurisdiction in which the services are performed. In addition, we could be liable to third parties who use or rely upon our reports or opinions even if we are not contractually bound to those third parties. For example, if we deliver an inaccurate report or one that is not in compliance with the relevant standards, and that report is made available to a third party, we could be subject to third-party liability, resulting in monetary damages and penalties.

We may be subject to liabilities under environmental laws and regulations.

Our services are subject to numerous U.S. and international environmental protection laws and regulations that are complex and stringent. For example, we must comply with a number of U.S. federal government laws that strictly regulate the handling, removal, treatment, transportation, and disposal of toxic and hazardous substances. Under the Comprehensive Environmental Response Compensation and Liability Act of 1980, as amended (“CERCLA”), and comparable state laws, we may be required to investigate and remediate regulated hazardous materials. CERCLA and comparable state laws typically impose strict, joint and several liabilities without regard to whether a company knew of or caused the release of hazardous substances. The liability for the entire cost of clean-up could be imposed upon any responsible party. Other principal U.S. federal environmental, health, and safety laws affecting us include, but are not limited to, the Resource Conservation and Recovery Act, National Environmental Policy Act, the Clean Air Act, the Occupational Safety and Health Act, the Federal Mine Safety and Health Act of 1977 (the “Mine Act”), the Toxic Substances Control Act, and the Superfund Amendments and Reauthorization Act. Our business operations may also be subject to similar state and international laws relating to environmental protection. Further, past business practices at companies that we have acquired may also expose us to future

unknown environmental liabilities. Liabilities related to environmental contamination or human exposure to hazardous substances, or a failure to comply with applicable regulations, could result in substantial costs to us, including clean-up costs, fines, civil or criminal sanctions, and third-party claims for property damage or personal injury or cessation of remediation activities. Our continuing work in the areas governed by these laws and regulations exposes us to the risk of substantial liability.

Force majeure events, including natural disasters, pandemics and terrorist actions, could negatively impact the economies in which we operate or disrupt our operations, which may affect our financial condition, results of operations, or cash flows.

Force majeure or extraordinary events beyond the control of the contracting parties, such as natural and man-made disasters, as well as pandemics and terrorist actions, could negatively impact the economies in which we operate by causing the closure of offices, interrupting projects, and forcing the relocation of employees. We typically remain obligated to perform our services after a terrorist action or natural disaster unless the contract contains a force majeure clause that relieves us of our contractual obligations in such an extraordinary event. If we are not able to react quickly to force majeure, our operations may be affected significantly, which would have a negative impact on our financial condition, results of operations, or cash flows.

We have only a limited ability to protect our intellectual property rights, and our failure to protect our intellectual property rights could adversely affect our competitive position.

We rely upon a combination of nondisclosure agreements and other contractual arrangements, as well as copyright, trademark, patent and trade secret laws to protect our proprietary information. We also enter into proprietary information and intellectual property agreements with employees, which require them to disclose any inventions created during employment, to convey such rights to inventions to us, and to restrict any disclosure of proprietary information. Trade secrets are generally difficult to protect. Although our employees are subject to confidentiality obligations, this protection may be inadequate to deter or prevent misappropriation of our confidential information and/or the infringement of our patents and copyrights. Further, we may be unable to detect unauthorized use of our intellectual property or otherwise take appropriate steps to enforce our rights. Failure to adequately protect, maintain, or enforce our intellectual property rights may adversely limit our competitive position.

Assertions by third parties of infringement, misappropriation or other violations by us of their intellectual property rights could result in significant costs and substantially harm our business, financial condition and operating results.

In recent years, there has been significant litigation involving intellectual property rights in technology industries. We may face from time to time, allegations that we or a supplier or customer have violated the rights of third parties, including patent, trademark, and other intellectual property rights. If, with respect to any claim against us for violation of third-party intellectual property rights, we are unable to prevail in the litigation or retain or obtain sufficient rights or develop non-infringing intellectual property or otherwise alter our business practices on a timely or cost-efficient basis, our business, financial condition or results of operations may be adversely affected.

Any infringement, misappropriation or related claims, whether or not meritorious, are time consuming, divert technical and management personnel, and are costly to resolve. As a result of any such dispute, we may have to develop non-infringing technology, pay damages, enter into royalty or licensing agreements, cease utilizing products or services, or take other actions to resolve the claims. These actions, if required, may be costly or unavailable on terms acceptable to us.

General Risk Factors

Our stock price could become more volatile and stockholders' investments could lose value.

In addition to the macroeconomic factors that have affected the prices of many securities generally, all of the factors discussed in this section could affect our stock price. Our common stock has previously experienced substantial price volatility. In addition, the stock market has experienced extreme price and volume fluctuations that have affected the market price of many companies, and that have often been unrelated to the operating performance of these companies. The trading price of our common stock may be significantly affected by various factors, including quarter-to-quarter variations in our financial results, such as revenue, profits, days sales outstanding, backlog, and other measures of financial performance or financial condition (which factors may, themselves, be affected by the factors described below):

- loss of key employees;
- the number and significance of client contracts commenced and completed during a quarter;
- creditworthiness and solvency of clients;
- the ability of our clients to terminate contracts without penalties;
- general economic or political conditions;
- unanticipated changes in contract performance that may affect profitability, particularly with contracts that are fixed-price or have funding limits;

- contract negotiations on change orders, requests for equitable adjustment, and collections of related billed and unbilled accounts receivable;
- seasonality of the spending cycle of our public sector clients, notably the U.S. federal government, the spending patterns of our commercial sector clients, and weather conditions;
- budget constraints experienced by our U.S. federal, and state and local government clients;
- integration of acquired companies;
- changes in contingent consideration related to acquisition earn-outs;
- divestiture or discontinuance of operating units;
- employee hiring, utilization and turnover rates;
- delays incurred in connection with a contract;
- the size, scope and payment terms of contracts;
- the timing of expenses incurred for corporate initiatives;
- reductions in the prices of services offered by our competitors;
- threatened or pending litigation;
- legislative and regulatory enforcement policy changes that may affect demand for our services;
- the impairment of goodwill or identifiable intangible assets;
- the fluctuation of a foreign currency exchange rate;
- stock-based compensation expense;
- actual events, circumstances, outcomes, and amounts differing from judgments, assumptions, and estimates used in determining the value of certain assets (including the amounts of related valuation allowances), liabilities, and other items reflected in our consolidated financial statements;
- success in executing our strategy and operating plans;
- changes in tax laws or regulations or accounting rules;
- results of income tax examinations;
- the timing of announcements in the public markets regarding new services or potential problems with the performance of services by us or our competitors, or any other material announcements;
- speculation in the media and analyst community, changes in recommendations or earnings estimates by financial analysts, changes in investors' or analysts' valuation measures for our stock, and market trends unrelated to our stock;
- our announcements concerning the payment of dividends or the repurchase of our shares;
- resolution of threatened or pending litigation;
- changes in investors' and analysts' perceptions of our business or any of our competitors' businesses;
- changes in environmental legislation;
- broader market fluctuations; and
- general economic or political conditions.

A significant drop in the price of our stock could expose us to the risk of securities class action lawsuits, which could result in substantial costs and divert management's attention and resources, which could adversely affect our business. Additionally, volatility or a lack of positive performance in our stock price may adversely affect our ability to retain key employees, many of whom are awarded equity securities, the value of which is dependent on the performance of our stock price.

Delaware law and our charter documents may impede or discourage a merger, takeover, or other business combination even if the business combination would have been in the short-term best interests of our stockholders.

We are a Delaware corporation and the anti-takeover provisions of Delaware law impose various impediments to the ability of a third party to acquire control of us, even if a change in control would be beneficial to our stockholders. In addition, our Board of Directors has the power, without stockholder approval, to designate the terms of one or more series of preferred stock and issue shares of preferred stock, which could be used defensively if a takeover is threatened. These features, as well as provisions in our certificate of incorporation and bylaws, such as those relating to advance notice of certain stockholder proposals and nominations, could impede a merger, takeover, or other business combination involving us, or discourage a potential acquirer from making a tender offer for our common stock, even if the business combination would have been in the best interests of our current stockholders.

Item 1B Unresolved Staff Comments

None.

Item 2. Properties

At fiscal 2020 year-end, we leased approximately 450 operating facilities in domestic and foreign locations. Our significant lease agreements expire at various dates through 2032. We believe that our current facilities are adequate for the operation of our business, and that suitable additional space in various local markets is available to accommodate any needs that may arise.

The following table summarizes our ten most significant leased properties by location based on annual rental expenses (listed alphabetically, except for our corporate headquarters):

Location	Description	Reportable Segment
Pasadena, CA	Corporate Headquarters	Corporate
Adelaide, South Australia, Australia	Office Building	GSG / CIG
Arlington, VA	Office Building	GSG / CIG
Irvine, CA	Office Building	GSG / CIG
London, United Kingdom	Office Building	GSG / CIG
Montreal, QC, Canada	Office Building	CIG
New York, NY	Office Building	GSG / CIG
Perth, Western Australia, Australia	Office Building	CIG
Pittsburgh, PA	Office Building	GSG / CIG
San Francisco, CA	Office Building	GSG

Item 3. Legal Proceedings

For a description of our material pending legal and regulatory proceedings and settlements, see Note 17, "Commitments and Contingencies" of the "Notes to Consolidated Financial Statements" included in Item 8.

Item 4. Mine Safety Disclosures

Section 1503 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Dodd-Frank Act") requires domestic mine operators to disclose violations and orders issued under the Mine Act by MSHA. We do not act as the owner of any mines, but we may act as a mining operator as defined under the Mine Act where we may be an independent contractor performing services or construction at such mine. Information concerning mine safety violations or other regulatory matters required by Section 1503(a) of the Dodd-Frank Act and Item 104 of Regulation S-K is included in Exhibit 95.

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

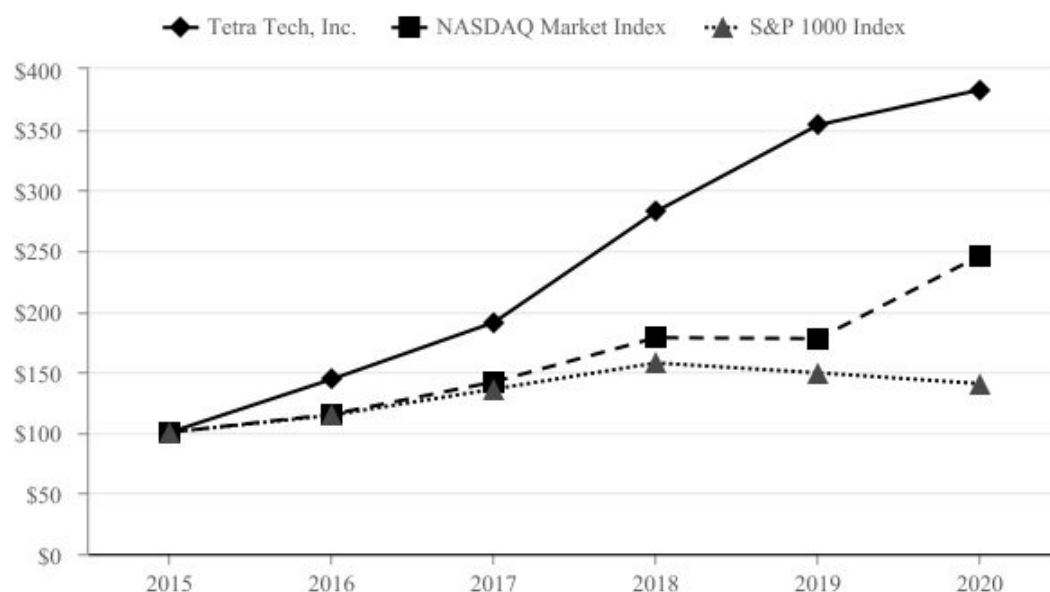
Our common stock is traded on the NASDAQ Global Select Market under the symbol TTEK. There were approximately 1,200 stockholders of record at September 27, 2020.

Stock-Based Compensation

For information regarding our stock-based compensation, see Note 11, "Stockholders' Equity and Stock Compensation Plans" of the "Notes to Consolidated Financial Statements" included in Item 8.

Performance Graph

The following graph shows a comparison of our cumulative total returns with those of the NASDAQ Market Index and the Standard & Poor's ("S&P") 1000 Index. At this time, we do not have a comparable peer group due to the combination of our differentiated high-end consulting services and our end-markets. Thus, we have selected the S&P 1000 Index. The graph assumes that the value of an investment in our common stock and in each such index was \$100 on September 27, 2015, and that all dividends have been reinvested. During fiscal 2020, we declared and paid dividends in the first and second quarters totaling \$0.30 per share (\$0.15 each quarter) on our common stock and paid dividends in the third and fourth quarters totaling \$0.34 per share (\$0.17 each quarter) on our common stock. We declared and paid dividends totaling \$0.54, \$0.44, \$0.38 and \$0.34 per share in fiscal 2019, 2018, 2017 and 2016, respectively. The comparison in the graph below is based on historical data and is not intended to forecast the possible future performance of our common stock.



ASSUMES \$100 INVESTED ON SEPTEMBER 27, 2015
ASSUMES DIVIDEND REINVESTED
FISCAL YEAR ENDED SEPTEMBER 27, 2020

	2015	2016	2017	2018	2019	2020
Tetra Tech, Inc.	\$ 100.00	\$ 144.01	\$ 190.68	\$ 282.06	\$ 353.67	\$ 382.89
NASDAQ Market Index	100.00	114.80	141.98	177.72	177.31	246.08
S&P 1000 Index	100.00	114.43	135.72	157.02	148.93	140.29

The performance graph above and related text are being furnished solely to accompany this annual report on Form 10-K pursuant to Item 201(e) of Regulation S-K, and are not being filed for purposes of Section 18 of the Exchange Act, and are not to be incorporated by reference into any of our filings with the SEC, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

Stock Repurchase Program

On November 5, 2018, the Board of Directors authorized a stock repurchase program ("2019 Program") under which we could repurchase up to \$200 million of our common stock. This was in addition to the \$25 million remaining as of fiscal 2018 year-end under the previous stock repurchase program ("2018 Program"). On January 27, 2020, the Board of Directors authorized a new \$200 million stock repurchase program ("2020 Program"). As of September 27, 2020, we had a remaining balance of \$207.8 million available under the 2019 and 2020 programs. The following table summarizes stock repurchases in the open market and settled in fiscal 2019 and fiscal 2020:

Fiscal Year	Stock Repurchase Program	Shares Repurchased	Average Price Paid per Share	Total Cost (in thousands)
2019	2018 Program	430,559	\$ 58.06	\$ 25,000
2019	2019 Program	1,131,962	66.26	75,000
2019 Total		1,562,521	\$ 64.00	\$ 100,000
2020	2019 Program	1,508,747	\$ 77.67	\$ 117,188

Below is a summary of the stock repurchases that were traded and settled during the 12 months ended September 27, 2020 under the 2019 Program:

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Dollar Value that May Yet be Purchased Under the Plans or Programs (in thousands)
September 30, 2019 - October 27, 2019	87,614	\$ 85.25	87,614	\$ 117,532
October 28, 2019 - November 24, 2019	88,030	87.80	88,030	109,803
November 25, 2019 - December 29, 2019	68,794	86.91	68,794	103,824
December 30, 2019 - January 26, 2020	53,485	87.48	53,485	99,145
January 27, 2020 - February 23, 2020	53,677	92.00	53,677	94,206
February 24, 2020 - March 29, 2020	709,250	71.72	709,250	43,341
March 30, 2020 - April 26, 2020	130,436	72.23	130,436	33,920
April 27, 2020 - May 24, 2020	71,320	72.99	71,320	28,714
May 25, 2020 - June 28, 2020	75,239	78.44	75,239	22,813
June 29, 2020 - July 26, 2020	55,466	79.68	55,466	18,394
July 27, 2020 - August 23, 2020	42,881	90.47	42,881	14,514
August 24, 2020 - September 27, 2020	72,555	92.36	72,555	7,813

Item 6. Selected Financial Data

The following selected financial data was derived from our audited consolidated financial statements. The selected financial data presented below should be read in conjunction with the information contained in Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations," and our consolidated financial statements and the notes thereto contained in Item 8, "Financial Statements and Supplementary Data," of this report.

	Fiscal Year Ended				
	September 27, 2020	September 29, 2019	September 30, 2018	October 1, 2017	October 2, 2016
	(in thousands, except per share data)				
Statements of Operations Data					
Revenue	\$ 2,994,891	\$ 3,107,348	\$ 2,964,148	\$ 2,753,360	\$ 2,583,469
Income from operations	241,091	188,762	190,086	183,342	135,855
Net income attributable to Tetra Tech	173,859	158,668	136,883	117,874	83,783
Earnings per share	3.16	2.84	2.42	2.04	1.42
Cash dividends paid per share	0.64	0.54	0.44	0.38	0.34
Balance Sheets Data					
Total assets	\$ 2,378,558	\$ 2,147,408	\$ 1,959,421	\$ 1,902,745	\$ 1,800,779
Long-term debt, net of current portion	242,395	263,934	264,627	341,072	331,437
Tetra Tech stockholders' equity	1,037,319	989,286	966,971	928,453	869,259

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following analysis of our financial condition and results of operations should be read in conjunction with Part I of this report, as well as our consolidated financial statements and accompanying notes in Item 8. The following analysis contains forward-looking statements about our future results of operations and expectations. Our actual results and the timing of events could differ materially from those described herein. See Part I, Item 1A, "Risk Factors" for a discussion of the risks, assumptions, and uncertainties affecting these statements.

OVERVIEW OF RESULTS AND BUSINESS TRENDS

General. As the COVID-19 spread globally, we responded quickly to ensure the health and safety of our employees, clients and the communities we support. Our high-end consulting focus and the technologies we deployed have allowed our staff to support clients and projects remotely without interruption. We remain focused on providing clients with the highest level of service and our 450 global offices are operational, supporting our programs and projects. By *Leading with Science®*, we are responding to the challenges of COVID-19, with the commitment of our 20,000 staff supported by technological innovation.

We entered fiscal 2020 in the best position in our history, with record backlog from our government and commercial clients supporting their critical water and environmental programs. For the first five months of fiscal 2020, we were on pace for another record year; however, the unprecedented disruption of the global economy due to the COVID-19 pandemic has impacted all businesses. Our government business, which represents approximately 60% of our revenue, has been stable, while our commercial business experienced relatively more impact. Much of our commercial business has continued due to regulatory drivers, but we have seen project delays in the industrial sectors. Our diversified end-markets have allowed us to redeploy staff to areas of uninterrupted or increased demand, and we have made decisions to align our cost structures with our clients' projects. The actions we have taken to navigate through this worldwide pandemic, the strength of our balance sheet, and our technical leadership position us well to address the global challenges of providing clean water, environmental restoration, and the impacts of climate change.

In fiscal 2020, our revenue decreased 3.6% compared to fiscal 2019. Our year-over-year revenue comparisons were impacted by the disposal of our Canadian turn-key pipeline activities in the fourth quarter of fiscal 2019 and a decrease in revenue from disaster response activities related to California wildfires. Excluding the disposal and the decreased California wildfire activity, our revenue increased 3.5% in fiscal 2020 compared to last year. This increase includes \$210.5 million of revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Excluding the net impact of acquisitions/disposals and the California wildfire disaster response activities, our revenue in fiscal 2020 decreased 3.9% compared to fiscal 2019 primarily due to the adverse impact of the COVID-19 pandemic on our U.S. commercial and international revenue.

U.S. Federal Government. Our U.S. federal government revenue increased 5.6% in fiscal 2020 compared to fiscal 2019. Excluding contributions from acquisitions, our revenue declined 1.5% in fiscal 2020 compared to last year. The decrease was primarily due to reduced international development activities, partially offset by increased federal information technology consulting activity. During periods of economic volatility, our U.S. federal government business has historically been the most stable and predictable. We expect our U.S. federal government revenue to grow modestly in fiscal 2021 due to continued increased federal information technology consulting activity. However, U.S. federal spending amounts and priorities could change significantly from our current expectations, which could have a significant positive or negative impact on our fiscal 2021 revenue.

U.S. State and Local Government. Our U.S. state and local government revenue decreased 25.3% in fiscal 2020 compared to last year as we experienced a decrease in revenue from the aforementioned California wildfire disaster response activities. This decline was partially offset by continued broad-based growth in our U.S. state and local government project-related infrastructure business, particularly with increased revenue from municipal water infrastructure work in the metropolitan areas of California, Texas, and Florida. Most of our work for U.S. state and local governments relates to critical water and environmental programs, which we expect to increase further next year. However, further budgetary constraints to our clients could negatively impact our business. Conversely, increased disaster response activity could cause our fiscal 2021 revenue to exceed our current expectations.

U.S. Commercial. Our U.S. commercial revenue decreased 6.2% in fiscal 2020 compared to fiscal 2019. This decline was primarily due to reduced industrial activity as a result of the COVID-19 pandemic. We currently expect the adverse impact of the COVID-19 pandemic to our U.S. commercial revenue to continue to be more significant than to our U.S. government programs and projects throughout most of next year.

International. Our international revenue increased 3.2% in fiscal 2020 compared to fiscal 2019. Excluding the impact of the aforementioned prior-year disposal of our Canadian turn-key pipeline activities, our international revenue increased 11.4% in fiscal 2020 compared to last year. This increase includes \$132.5 million of revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Excluding the net impact of acquisitions/disposals, our international revenue in fiscal

2020 decreased 5.5% compared to last year. The revenue decline primarily reflects the adverse impact of the COVID-19 pandemic, partially offset by increased renewable energy activity in Canada. In light of the COVID-19 pandemic, we currently expect our overall international government work to be stable in fiscal 2021; however, our international commercial activities could have a significant adverse impact if the current economic conditions due to COVID-19 are prolonged.

RESULTS OF OPERATIONS

Fiscal 2020 Compared to Fiscal 2019

Consolidated Results of Operations

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 2,994,891	\$ 3,107,348	\$ (112,457)	(3.6)%
Subcontractor costs	(646,319)	(717,711)	71,392	9.9
Revenue, net of subcontractor costs ⁽¹⁾	2,348,572	2,389,637	(41,065)	(1.7)
Other costs of revenue	(1,902,037)	(1,981,454)	79,417	4.0
Gross profit	446,535	408,183	38,352	9.4
Selling, general and administrative expenses	(204,615)	(200,230)	(4,385)	(2.2)
Acquisition and integration expenses	—	(10,351)	10,351	NM
Contingent consideration – fair value adjustments	14,971	(1,085)	16,056	NM
Impairment of goodwill	(15,800)	(7,755)	(8,045)	(103.7)
Income from operations	241,091	188,762	52,329	27.7
Interest expense – net	(13,100)	(13,626)	526	3.9
Income before income tax expense	227,991	175,136	52,855	30.2
Income tax expense	(54,101)	(16,375)	(37,726)	(230.4)
Net income	173,890	158,761	15,129	9.5
Net income attributable to noncontrolling interests	(31)	(93)	62	66.7
Net income attributable to Tetra Tech	\$ 173,859	\$ 158,668	\$ 15,191	9.6
Diluted earnings per share	\$ 3.16	\$ 2.84	\$ 0.32	11.3

⁽¹⁾ We believe that the presentation of "Revenue, net of subcontractor costs", which is a non-U.S. GAAP financial measure, enhances investors' ability to analyze our business trends and performance because it substantially measures the work performed by our employees. In the course of providing services, we routinely subcontract various services and, under certain USAID programs, issue grants. Generally, these subcontractor costs and grants are passed through to our clients and, in accordance with U.S. GAAP and industry practice, are included in our revenue when it is our contractual responsibility to procure or manage these activities. Because subcontractor services can vary significantly from project to project and period to period, changes in revenue may not necessarily be indicative of our business trends. Accordingly, we segregate subcontractor costs from revenue to promote a better understanding of our business by evaluating revenue exclusive of costs associated with external service providers.

NM = not meaningful

In fiscal 2020, revenue and revenue, net of subcontractor costs, decreased \$112.5 million, or 3.6%, and \$41.1 million, or 1.7%, compared to fiscal 2019. These comparisons were impacted by the disposal of our Canadian turn-key pipeline activities in the fourth quarter of fiscal 2019 and a decrease in revenue from disaster response activities related to California wildfires. In addition, our fiscal 2019 results included a reduction of revenue of \$13.7 million from a claim that was resolved last year. Excluding the disposal, the decreased California wildfire activity, and the 2019 claim resolution, our revenue increased 3.0% in fiscal 2020 compared to last year. This increase includes \$210.5 million of revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Also excluding the contribution from acquisitions, our revenue in fiscal 2020 decreased 4.4% compared to fiscal 2019 primarily due to the adverse impact of the COVID-19 pandemic on our U.S. commercial and international revenue.

The following table reconciles our reported results to non-U.S. GAAP adjusted results, which exclude the RCM results and certain non-operating accounting-related adjustments, such as acquisition and integration costs, gains/losses from adjustments to contingent considerations, goodwill impairment charges, non-recurring costs to address COVID-19, and non-recurring tax benefits. Adjusted results also exclude charges resulting from the decision to dispose of our Canadian turn-key pipeline activities that commenced in the fourth quarter of fiscal 2019 and subsequent related gains from non-core equipment

disposals in fiscal 2020. Our fiscal 2019 adjusted results exclude a charge to operating income of \$13.7 million from a claim that was resolved in the fourth quarter of fiscal 2019 for a remediation project, where the work was substantially performed in prior years. The effective tax rates applied to these adjustments to earnings per share ("EPS") to arrive at adjusted EPS averaged 155% and 16% in fiscal 2020 and 2019, respectively. The goodwill impairment charges in both fiscal years and certain of the transaction charges in fiscal 2019 did not have related tax benefits. Excluding these items, the effective tax rates applied to the adjustments in fiscal 2020 and 2019 were 24% and 26%, respectively. We applied the relevant marginal statutory tax rate based on the nature of the adjustments and tax jurisdiction in which they occur. Both EPS and adjusted EPS were calculated using diluted weighted-average common shares outstanding for the respective periods as reflected in our consolidated statements of income.

During the second quarter of fiscal 2020, we took actions in response to the COVID-19 pandemic to ensure the health and safety of our employees, clients, and communities. These actions included activating our Business Continuity Plan globally, which enabled 95% of our workforce to work remotely and all 450 of our global offices to remain operational supporting our clients' programs and projects. This required incremental costs for employee relocation, expansion of our virtual private network capabilities, enhanced security, and sanitizing our offices. In addition, we incurred severance costs to right-size select operations where projects were cancelled specifically due to COVID-19 concerns and the resulting macroeconomic conditions. These incremental costs totaled \$8.2 million in the second quarter of fiscal 2020. Substantially all of these costs were paid in cash in the second half of fiscal 2020.

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
Income from operations	\$ 241,091	\$ 188,762	\$ 52,329	27.7
COVID-19	8,233	—	8,233	NM
Non-core dispositions	(8,525)	10,946	(19,471)	NM
RCM	—	5,933	(5,933)	NM
Claims	—	13,700	(13,700)	NM
Acquisition/Integration	—	10,351	(10,351)	NM
Earn-out adjustments	(13,371)	3,085	(16,456)	NM
Impairment of goodwill	15,800	7,755	8,045	NM
Adjusted income from operations ⁽¹⁾	\$ 243,228	\$ 240,532	\$ 2,696	1.1
EPS	\$ 3.16	\$ 2.84	\$ 0.32	11.3
COVID-19	0.11	—	0.11	NM
Non-core dispositions	(0.12)	0.14	(0.26)	NM
RCM	—	0.08	(0.08)	NM
Claims	—	0.18	(0.18)	NM
Acquisition/Integration	—	0.19	(0.19)	NM
Earn-out adjustments	(0.18)	0.04	(0.22)	NM
Impairment of goodwill	0.29	0.14	0.15	NM
Non-recurring tax benefits	—	(0.44)	0.44	NM
Adjusted EPS ⁽¹⁾	\$ 3.26	\$ 3.17	\$ 0.09	2.8

NM = not meaningful

⁽¹⁾ Non-U.S. GAAP financial measure

Our operating income increased \$52.3 million in fiscal 2020 compared to fiscal 2019. Our operating income in fiscal 2020 was reduced by the previously described non-recurring charges of \$8.2 million to address COVID-19. In addition, our fiscal 2020 results include gains from the sales of non-core equipment of \$8.5 million related to the disposal of our Canadian turn-key pipeline activities. Our operating income in fiscal 2019 included charges of \$10.9 million related to this disposal. Our operating income in fiscal 2019 also included a \$5.9 million loss from exited construction activities in our RCM segment. Our RCM results are described below under "Remediation and Construction Management." Additionally, our operating income in fiscal 2019 included the aforementioned \$13.7 million charge for a resolved claim and expenses of \$10.4 million related to the acquisition and integration of WYG plc ("WYG"). For further detailed information regarding the WYG-related costs, see "Fiscal 2019 Acquisition and Integration Expenses" below. Our fiscal 2020 operating income includes gains of \$15.0 million related to changes in the estimated fair value of contingent earn-out liabilities partially offset by related compensation charges

of \$1.6 million. Our fiscal 2019 operating income reflects losses of \$1.1 million related to changes in the estimated fair value of contingent earn-out liabilities and an additional \$2.0 million of related compensation charges. These earn-out related amounts are described below under "Fiscal 2020 and 2019 Earn-Out Adjustments." Further, our operating income reflects non-cash goodwill impairment charges of \$15.8 million and \$7.8 million in fiscal 2020 and 2019, respectively. These charges are described below under "Fiscal 2020 and 2019 Impairment of Goodwill."

Excluding these items, our adjusted operating income increased \$2.7 million, or 1.1%, in fiscal 2020 compared to fiscal 2019. The increase reflects improved results in our CIG segment partially offset by lower operating income in our GSG segment. GSG and CIG results are described below under "Government Services Group" and "Commercial/International Services Group", respectively.

Our net interest expense was \$13.1 million in fiscal 2020 compared to \$13.6 million last year. The decrease primarily reflects lower interest rates (primarily LIBOR), and to a lesser extent, lower average borrowings.

The effective tax rates for fiscal 2020 and 2019 were 23.7% and 9.3%, respectively. The goodwill impairment charges in fiscal 2020 and fiscal 2019 and certain of the transaction charges in fiscal 2019 did not have related tax benefits, which increased our effective tax rates by 1.5% and 1.1% in fiscal 2020 and 2019, respectively. Conversely, income tax expense was reduced by \$8.3 million and \$6.4 million of excess tax benefits on share-based payments in fiscal 2020 and 2019, respectively. Additionally, we finalized the analysis of our deferred tax liabilities for the Tax Cuts and Jobs Act's ("TCJA's") lower tax rates in the first quarter of fiscal 2019 and recorded a deferred tax benefit of \$2.6 million. Also, valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence obtained during the second quarter of fiscal 2019. The valuation allowances were primarily related to net operating loss and research and development credit carryforwards and other temporary differences. We evaluated the positive evidence against any negative evidence and determined that it was more likely than not that the deferred tax assets would be realized. The factors used to assess the likelihood of realization were the past performance of the related entities, our forecast of future taxable income, and available tax planning strategies that could be implemented to realize the deferred tax assets.

Excluding the impact of the non-deductible goodwill impairment charges and transaction costs, the excess tax benefits on share-based payments, the net deferred tax benefits from the TCJA, and the valuation allowance release, our effective tax rates in fiscal 2020 and 2019 were 25.6% and 24.6%, respectively.

Our EPS was \$3.16 in fiscal 2020, compared to \$2.84 in fiscal 2019. On the same basis as our adjusted operating income and excluding non-recurring tax benefits in fiscal 2019, EPS was \$3.26 in fiscal 2020, compared to \$3.17 last year.

Segment Results of Operations

Government Services Group ("GSG")

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,778,922	\$ 1,820,671	\$ (41,749)	(2.3)%
Subcontractor costs	(478,839)	(491,290)	12,451	2.5
Revenue, net of subcontractor costs	<u>\$ 1,300,083</u>	<u>\$ 1,329,381</u>	<u>\$ (29,298)</u>	(2.2)
Income from operations	<u>\$ 168,669</u>	<u>\$ 185,263</u>	<u>\$ (16,594)</u>	(9.0)

Revenue and revenue, net of subcontractor costs, decreased \$41.7 million, or 2.3%, and \$29.3 million, or 2.2%, respectively, in fiscal 2020 compared to fiscal 2019. These declines primarily reflect the previously described decrease in revenue from disaster response activities related to California wildfires offset by revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Excluding the contributions from acquisitions and the California wildfire disaster response activities, our revenue in fiscal 2020 was substantially the same as fiscal 2019 as increases in federal information technology activity were offset by lower international development revenue.

Operating income decreased \$16.6 million in fiscal 2020 compared to fiscal 2019 primarily reflecting the lower disaster response revenue. Also, we incurred \$1.6 million of incremental costs for actions to respond to the COVID-19 pandemic in the second quarter of fiscal 2020. Our operating margin, based on revenue, net of subcontractor costs, was 13.0% in fiscal 2020 compared to 13.9% last year. Excluding the COVID-19 charges, our operating margin was 13.1% in fiscal 2020.

Commercial/International Services Group ("CIG")

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,266,059	\$ 1,342,509	\$ (76,450)	(5.7)%
Subcontractor costs	(217,547)	(279,468)	61,921	22.2
Revenue, net of subcontractor costs	<u>\$ 1,048,512</u>	<u>\$ 1,063,041</u>	<u>\$ (14,529)</u>	<u>(1.4)</u>
Income from operations	\$ 114,022	\$ 79,633	\$ 34,389	43.2

Revenue and revenue, net of subcontractor costs, decreased \$76.5 million, or 5.7%, and \$14.5 million, or 1.4%, respectively, in fiscal 2020 compared to fiscal 2019. Our year-over-year revenue comparisons were impacted by the disposal of our Canadian turn-key pipeline activities in the fourth quarter of fiscal 2019, and a reduction in revenue and a corresponding charge to operating income of \$13.7 million in fiscal 2019 for a remediation project where the work was substantially performed in prior years. Excluding the disposal and the fiscal 2019 claim resolution, our revenue decreased 2.2% due to lower subcontractor activity and the adverse impact of the COVID-19 pandemic on our U.S. and international commercial revenue.

Operating income increased \$34.4 million in fiscal 2020 compared to last year. This comparison was also impacted by the disposal of our Canadian turn-key pipeline activities. Our fiscal 2020 operating income includes gains of \$8.5 million from the disposition of non-core equipment and our fiscal 2019 operating income includes charges of \$10.9 million related to these activities. In addition, we incurred \$6.6 million of incremental costs for actions to respond to the COVID-19 pandemic in the second quarter of fiscal 2020. Excluding the Canadian turn-key pipeline activities, the COVID-19 charges, and the aforementioned \$13.7 million claim in fiscal 2019, our operating income increased \$7.9 million, or 7.5%, in fiscal 2020 compared to fiscal 2019. On the same basis, our operating margin, based on revenue, net of subcontractor costs, improved to 10.7% in fiscal 2020 from 9.7% last year.

Remediation and Construction Management ("RCM")

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 198	\$ (1,542)	\$ 1,740	NM
Subcontractor costs	(221)	(1,243)	1,022	NM
Revenue, net of subcontractor costs	<u>\$ (23)</u>	<u>\$ (2,785)</u>	<u>\$ 2,762</u>	NM
Loss from operations	\$ —	\$ (5,933)	\$ 5,933	NM

RCM's projects were substantially complete at the end of fiscal 2018. The operating loss of \$5.9 million in fiscal 2019 reflects reductions of revenue and related operating losses based on updated evaluations of unsettled claim amounts for two construction projects that were completed in prior years.

Fiscal 2020 and 2019 Earn-Out Adjustments

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. We recorded adjustments to our contingent earn-out liabilities and reported net gains of \$15.0 million and losses of \$1.1 million in fiscal 2020 and 2019, respectively. The fiscal 2020 net gains primarily resulted from updated valuations of the contingent consideration liabilities for eGlobalTech ("EGT"), Norman, Disney and Young ("NDY"), and Segue Technologies, Inc. ("SEG"). These valuations included updated projections of EGT's, NDY's, and SEG's financial performance during the earn-out periods, which were below our original estimates at their respective acquisition dates. In addition, we recognized charges of \$1.6 million and \$2.0 million in fiscal 2020 and 2019, respectively, that related to the earn-out for Glumac. These charges were treated as compensation in selling, general and administrative expenses due to the terms of the arrangement, which included an on-going service requirement for a portion of the earn-out.

At September 27, 2020, there was a total maximum of \$70.9 million of outstanding contingent consideration related to acquisitions. Of this amount, \$32.6 million was estimated as the fair value and accrued on our consolidated balance sheet.

Fiscal 2020 and 2019 Impairment of Goodwill

On September 2, 2020, Australia announced that it had fallen into economic recession, defined as two consecutive quarters of negative growth, for the first time since 1991 including 7% negative growth in the quarter ending in June 2020. This prompted a strategic review of our Asia/Pacific ("ASP") reporting unit, which is in our CIG reportable segment. As a result of the economic recession in Australia, our revenue growth and profit margin forecasts for the ASP reporting unit declined from the previous forecast used for our annual goodwill impairment review as of June 29, 2020. We also performed an interim goodwill impairment review of our ASP reporting unit in September 2020 and recorded a \$15.8 million goodwill impairment charge. The impaired goodwill related to our acquisitions of Coffey and NDY. As a result of the impairment charge, the estimated fair value of our ASP reporting unit equals its carrying value of \$144.9 million, including \$95.5 million of goodwill, at September 27, 2020. If the financial performance of the operations in our ASP reporting unit were to deteriorate or fall below our forecasts, the related goodwill may become further impaired.

During the fourth quarter of fiscal 2019, we performed a strategic review of all operations. As a result, we decided to dispose of our turn-key pipeline activities in Western Canada in our Remediation and Field Services ("RFS") reporting unit, which is in our CIG reportable segment. As a result, we incurred severance and project-related charges related to the disposition of \$10.9 million, which were reported in the CIG segment's operating income. We also performed an interim goodwill impairment review of our RFS reporting unit and recorded a \$7.8 million goodwill impairment charge. The impaired goodwill related to our acquisition of Parkland Pipeline Contractors Ltd. As a result of the impairment charge, the estimated fair value of the RFS reporting unit equaled its carrying value at September 29, 2019. If the financial performance of the remaining operations in our RFS reporting unit were to deteriorate or fall below our forecasts, the related goodwill may become further impaired.

Fiscal 2019 Compared to Fiscal 2018

Consolidated Results of Operations

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 3,107,348	\$ 2,964,148	\$ 143,200	4.8%
Subcontractor costs	(717,711)	(763,414)	45,703	6.0
Revenue, net of subcontractor costs ⁽¹⁾	2,389,637	2,200,734	188,903	8.6
Other costs of revenue	(1,981,454)	(1,816,276)	(165,178)	(9.1)
Gross profit	408,183	384,458	23,725	6.2
Selling, general and administrative expenses	(200,230)	(190,120)	(10,110)	(5.3)
Acquisition and integration expenses	(10,351)	—	(10,351)	NM
Contingent consideration – fair value adjustments	(1,085)	(4,252)	3,167	74.5
Impairment of goodwill	(7,755)	—	(7,755)	NM
Income from operations	188,762	190,086	(1,324)	(0.7)
Interest expense – net	(13,626)	(15,524)	1,898	12.2
Income before income tax expense	175,136	174,562	574	0.3
Income tax expense	(16,375)	(37,605)	21,230	56.5
Net income	158,761	136,957	21,804	15.9
Net income attributable to noncontrolling interests	(93)	(74)	(19)	(25.7)
Net income attributable to Tetra Tech	\$ 158,668	\$ 136,883	\$ 21,785	15.9
Diluted earnings per share	\$ 2.84	\$ 2.42	\$ 0.42	17.4

⁽¹⁾ We believe that the presentation of "Revenue, net of subcontractor costs", which is a non-U.S. GAAP financial measure, enhances investors' ability to analyze our business trends and performance because it substantially measures the work performed by our employees. In the course of providing services, we routinely subcontract various services and, under certain USAID programs, issue grants. Generally, these subcontractor costs and grants are passed through to our clients and, in accordance with U.S. GAAP and industry practice, are included in our revenue when it is our contractual responsibility to procure or manage these activities. Because subcontractor services can vary significantly from project to project and period to period, changes in revenue may not necessarily be indicative of our business trends. Accordingly, we segregate subcontractor costs from revenue to promote a better understanding of our business by evaluating revenue exclusive of costs associated with external service providers.

NM = not meaningful

The following table reconciles our reported results to non-U.S. GAAP adjusted results, which exclude RCM results and certain non-operating accounting-related adjustments, such as acquisition and integration costs, gains/losses from adjustments to contingent consideration, and non-recurring tax benefits. Adjusted results also exclude charges from the disposal of our Canadian turn-key pipeline activities in fiscal 2019 and losses from the divestitures of our non-core utility field services operations and other non-core assets in fiscal 2018. The disposal in fiscal 2019 also resulted in a \$7.8 million goodwill impairment charge that is excluded from our adjusted results. Our fiscal 2019 adjusted results exclude a reduction of revenue and a corresponding charge to operating income of \$13.7 million from a claim that was resolved in the fourth quarter of fiscal 2019 for a remediation project, where the work was substantially performed in prior years. In addition, our fiscal 2018 adjusted results also exclude a reduction of revenue of \$10.6 million and a related charge to operating income of \$12.5 million from a claim settlement in the fourth quarter of fiscal 2018 for a fixed-price construction project that was completed in fiscal 2014. The effective tax rates applied to the adjustments to EPS to arrive at adjusted EPS averaged 16% and 28% in fiscal 2019 and 2018, respectively. The goodwill impairment charge and certain of the transaction charges in fiscal 2019 did not have a related tax benefit. Excluding these items, the effective tax rate applied to adjustments in fiscal 2019 was 26%. We applied the relevant marginal statutory tax rate based on the nature of the adjustments and tax jurisdiction in which they occur. Both EPS and adjusted EPS were calculated using diluted weighted-average common shares outstanding for the respective periods as reflected in our consolidated statements of income.

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
Revenue	\$ 3,107,348	\$ 2,964,148	\$ 143,200	4.8%
RCM	1,542	(14,199)	15,741	NM
Claims	13,700	10,576	3,124	NM
Adjusted revenue ⁽¹⁾	\$ 3,122,590	\$ 2,960,525	\$ 162,065	5.5
Revenue	\$ 3,107,348	\$ 2,964,148	\$ 143,200	4.8
Subcontractor costs	(717,711)	(763,414)	45,703	NM
Revenue, net of subcontractor costs	\$ 2,389,637	\$ 2,200,734	\$ 188,903	8.6
RCM	2,785	(2,648)	5,433	NM
Claims	13,700	10,576	3,124	NM
Adjusted revenue, net of subcontractor costs ⁽¹⁾	\$ 2,406,122	\$ 2,208,662	\$ 197,460	8.9
Income from operations	\$ 188,762	\$ 190,086	\$ (1,324)	(0.7)
Earn-out expense	3,085	5,753	(2,668)	NM
RCM	5,933	4,573	1,360	NM
Claims	13,700	12,457	1,243	NM
Non-core divestitures	18,701	3,434	15,267	NM
Acquisition/Integration	10,351	—	10,351	NM
Adjusted income from operations ⁽¹⁾	\$ 240,532	\$ 216,303	\$ 24,229	11.2
EPS	\$ 2.84	\$ 2.42	\$ 0.42	17.4
Earn-out expense	0.04	0.08	(0.04)	NM
RCM	0.08	0.06	0.02	NM
Claims	0.18	0.16	0.02	NM
Non-core divestitures	0.28	0.11	0.17	NM
Acquisition/Integration	0.19	—	0.19	NM
Non-recurring tax benefits	(0.44)	(0.19)	(0.25)	NM
Adjusted EPS ⁽¹⁾	\$ 3.17	\$ 2.64	\$ 0.53	20.1

NM = not meaningful

⁽¹⁾ Non-U.S. GAAP financial measure

In fiscal 2019, revenue and revenue, net of subcontractor costs, increased \$143.2 million, or 4.8%, and \$188.9 million, or 8.6%, respectively, compared to fiscal 2018. Our adjusted revenue and revenue, net of subcontractor costs, increased \$162.1

million, or 5.5%, and \$197.5 million, or 8.9%, respectively, compared to fiscal 2018. This growth includes contributions from the fiscal 2019 acquisitions of EGT and WYG, partially offset by the impact of the divestiture of our non-core utility field services operations in fiscal 2018. Excluding the net impact from these transactions, our adjusted revenue and revenue, net of subcontractor costs, grew \$144.2 million, or 5.0%, and \$180.5 million, or 8.3%, in fiscal 2019 compared to fiscal 2018. This growth primarily reflects continued growth in our U.S. state and local government water infrastructure revenue. In addition, our revenue from disaster response and recovery planning projects increased compared to fiscal 2018. Our U.S. state and local government adjusted revenue and revenue, net of subcontractor costs, increased \$132.3 million, or 28.8%, and \$90.7 million, or 27.1%, respectively, in fiscal 2019 compared to fiscal 2018. Additionally, in fiscal 2019, our international adjusted revenue, net of subcontractor costs, increased \$98.6 million, or 16.3%, primarily due to increased activity in Canada.

Our operating income decreased \$1.3 million in fiscal 2019 compared to fiscal 2018. Our operating income in fiscal 2019 was reduced by WYG-related acquisition and integration expenses of \$10.4 million. For further detailed information regarding these expenses, see "Fiscal 2019 Acquisition and Integration Expenses" below. In addition, our operating income reflects losses of \$1.1 million and \$4.3 million related to changes in the estimated fair value of contingent earn-out liabilities and related compensation charges of \$2.0 million and \$1.5 million in fiscal 2019 and 2018, respectively. These earn-out charges are described below under "Fiscal 2019 and 2018 Earn-Out Adjustments." The loss from exited construction activities in our RCM segment was \$5.9 million in fiscal 2019 compared to \$4.6 million in fiscal 2018. Our RCM results are described below under "Remediation and Construction Management." Additionally, our operating income for fiscal 2019 includes charges of \$10.9 million related to the planned disposal of our turn-key pipeline activities in Western Canada. This disposal also resulted in a non-cash goodwill impairment charge of \$7.8 million in fiscal 2019. Both of these charges are described above under "Fiscal 2020 and 2019 Impairment of Goodwill." Our operating income in fiscal 2018, also includes losses of \$3.4 million related to the divestitures of our non-core utility field services operations and other non-core assets. These losses are reported in selling, general and administrative expenses in our consolidated statements of income.

Excluding these items and the aforementioned claims in fiscal 2019 and 2018, adjusted operating income increased \$24.2 million, or 11.2%, in fiscal 2019 compared to fiscal 2018. The increase reflects improved results in both our GSG and CIG segments. GSG's operating income increased \$17.1 million in fiscal 2019 compared to fiscal 2018. These results are described below under "Government Services Group." CIG's operating income increased \$5.2 million (\$17.4 million on an adjusted basis) in fiscal 2019 compared to fiscal 2018. These results are described below under "Commercial/International Services Group."

Interest expense, net of interest income, was \$13.6 million in fiscal 2019, compared to \$15.5 million in fiscal 2018. The decreases reflect reduced borrowings, partially offset by higher interest rates (primarily LIBOR).

The effective tax rates for fiscal 2019 and 2018 were 9.3% and 21.5%, respectively. These tax rates reflect the impact of the comprehensive tax legislation enacted by the U.S. government on December 22, 2017, which is commonly referred to as the TCJA. The TCJA significantly revised the U.S. corporate income tax regime by, among other things, lowering the U.S. corporate tax rate from 35% to 21% effective January 1, 2018, while also repealing the deduction for domestic production activities, limiting the deductibility of certain executive compensation, and implementing a modified territorial tax system with the introduction of the Global Intangible Low-Taxed Income ("GILTI") tax rules. The TCJA also imposed a one-time transition tax on deemed repatriation of historical earnings of foreign subsidiaries. In fiscal 2019, we finalized our fiscal 2018 U.S. federal tax return and recorded a \$2.4 million tax expense with respect to the one-time transition tax on foreign earnings. As we have a September 30 fiscal year-end, our U.S. federal corporate income tax rate was blended in fiscal 2018, resulting in a statutory federal rate of 24.5% (3 months at 35% and 9 months at 21%), and was 21% in fiscal 2019.

U.S. GAAP requires that the impact of tax legislation be recognized in the period in which the tax law was enacted. As a result of the TCJA, we reduced our deferred tax liabilities and recorded a deferred tax benefit of \$10.1 million in fiscal 2018 to reflect our estimate of temporary differences in the United States that were to be recovered or settled in fiscal 2018 based on the 24.5% blended corporate tax rate or based on the 21% tax rate in fiscal 2019 and beyond versus the previous enacted 35% corporate tax rate. We finalized this analysis in the first quarter of fiscal 2019 and recorded an additional deferred tax benefit of \$2.6 million.

Valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence being obtained in fiscal 2019. The valuation allowances were primarily related to net operating loss and Research and Development credit carry-forwards and other temporary differences. Excluding the net deferred tax benefits from the TCJA and the release of the valuation allowance, our effective tax rate was 21.9% in fiscal 2019 compared to 25.1% in fiscal 2018; the reduction is primarily due to the reduced U.S. corporate income tax rate.

With respect to the GILTI provisions of the TCJA, we had analyzed our structure and global results of operations and expected a GILTI tax of \$0.4 million for fiscal 2019, which was included in our fiscal 2019 income tax expense.

Our EPS was \$2.84 in fiscal 2019, compared to \$2.42 in fiscal 2018. On the same basis as our adjusted operating income and excluding non-recurring tax benefits, adjusted EPS was \$3.17 in fiscal 2019, compared to \$2.64 in fiscal 2018.

Segment Results of Operations

Government Services Group ("GSG")

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,820,671	\$ 1,694,871	\$ 125,800	7.4%
Subcontractor costs	(491,290)	(482,537)	(8,753)	(1.8)
Revenue, net of subcontractor costs	<u>\$ 1,329,381</u>	<u>\$ 1,212,334</u>	<u>\$ 117,047</u>	9.7
Income from operations	\$ 185,263	\$ 168,211	\$ 17,052	10.1

Revenue and revenue, net of subcontractor costs, increased \$125.8 million, or 7.4%, and \$117.0 million, or 9.7%, respectively, in fiscal 2019 compared to fiscal 2018. These increases include contributions from the aforementioned acquisitions in fiscal 2019. Excluding these contributions, revenue and revenue, net of subcontractor costs, increased 4.8% and 6.9%, respectively, in fiscal 2019 compared to fiscal 2018. These increases reflect continued broad-based growth in our U.S. state and local government project-related infrastructure revenue. In addition, our revenue from disaster response and recovery planning projects increased compared to fiscal 2018. Overall, our U.S. state and local government adjusted revenue, net of subcontractor costs, increased \$136.7 million and \$85.7 million, respectively in fiscal 2019 compared to fiscal 2018. Operating income increased \$17.1 million in fiscal 2019 compared to fiscal 2018, primarily reflecting the higher U.S. state and local revenue. Our operating margin, based on revenue, net of subcontractor costs, was stable at 13.9% in both fiscal 2019 and 2018.

Commercial/International Services Group ("CIG")

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,342,509	\$ 1,323,142	\$ 19,367	1.5%
Subcontractor costs	(279,468)	(337,390)	57,922	17.2
Revenue, net of subcontractor costs	<u>\$ 1,063,041</u>	<u>\$ 985,752</u>	<u>\$ 77,289</u>	7.8
Income from operations	\$ 79,633	\$ 74,451	\$ 5,182	7.0

Revenue and revenue, net of subcontractor costs, increased \$19.4 million, or 1.5%, and \$77.3 million, or 7.8%, respectively, in fiscal 2019 compared to fiscal 2018. Our fiscal 2019 results included a reduction of revenue and a corresponding non-cash charge to operating income of \$13.7 million from a claim that was resolved in the fourth quarter of fiscal 2019 for a remediation project, where the work was substantially performed in prior years. Excluding this claim and the net impact of the aforementioned acquisitions/divestiture, revenue and revenue, net of subcontractor costs, increased 4.0% and 10.3%, respectively, in fiscal 2019 compared to fiscal 2018. These increases primarily reflect increased international revenue, particularly for broad-based activities in Canada and renewable energy projects globally. Operating income increased \$5.2 million in fiscal 2019 compared to fiscal 2018 reflecting the higher revenue. In addition to the aforementioned claim resolution, operating income in fiscal 2019 included the previously described charges of \$10.9 million related to the planned disposal of our Canadian turn-key pipeline operations. Operating income in fiscal 2018 included a \$12.5 million charge for a claim settlement for a fixed-price construction project that was completed in fiscal 2014. Excluding these charges, our operating income increased \$17.4 million in fiscal 2019 compared to fiscal 2018, and our operating margin, based on revenue, net of subcontractor costs, improved to 9.8% in fiscal 2019 from 8.8% in fiscal 2018.

Remediation and Construction Management ("RCM")

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ (1,542)	\$ 14,199	\$ (15,741)	NM
Subcontractor costs	(1,243)	(11,551)	10,308	89.2
Revenue, net of subcontractor costs	<u>\$ (2,785)</u>	<u>\$ 2,648</u>	<u>\$ (5,433)</u>	NM
Loss from operations	\$ (5,933)	\$ (4,573)	\$ (1,360)	(29.7)

NM = not meaningful

RCM's projects were substantially complete at the end of fiscal 2018. The operating loss of \$5.9 million in fiscal 2019 reflects reductions of revenue and related operating losses based on updated evaluations of unsettled claim amounts for two construction projects that were completed in prior years. The operating loss in fiscal 2018 primarily reflects legal costs related to outstanding claims. We recorded no material gains or losses related to claims in fiscal 2018.

Fiscal 2019 Acquisition and Integration Expenses

In fiscal 2019, we incurred acquisition and integration expenses of \$10.4 million related to the WYG acquisition. These expenses included \$3.3 million of acquisition expenses that were primarily for professional services, such as legal and investment banking, to support the transaction and were all paid in the fourth quarter of fiscal 2019. Subsequent to the acquisition date, we also recorded charges of \$7.1 million for integration activities, including the elimination of redundant general and administrative costs, real estate consolidation, and conversion of information technology platforms, substantially all of which were paid in fiscal 2020.

Fiscal 2019 and 2018 Earn-Out Adjustments

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. We recorded adjustments to our contingent earn-out liabilities and reported losses of \$1.1 million and \$4.3 million in fiscal 2019 and 2018, respectively. The fiscal 2018 losses resulted from updated valuations of the contingent consideration liabilities for NDY, Eco Logical Australia ("ELA") and Cornerstone Environmental Group ("CEG"). These valuations included updated projections of NDY's, ELA's, and CEG's financial performance during the earn-out periods, which exceeded our original estimates at their respective acquisition dates. In addition, we recognized charges of \$2.0 million and \$1.5 million in fiscal 2019 and 2018, respectively, that related to the earn-out for Glumac. These charges were treated as compensation in selling, general and administrative expenses due to the terms of the arrangement, which included an on-going service requirement for a portion of the earn-out.

At September 29, 2019, there was a total maximum of \$72.4 million of outstanding contingent consideration related to acquisitions. Of this amount, \$53.0 million was estimated as the fair value and accrued on our consolidated balance sheet.

FINANCIAL CONDITION, LIQUIDITY AND CAPITAL RESOURCES

Capital Requirements. As of September 27, 2020, we had \$157.5 million of cash and cash equivalents and access to an additional \$722 million of borrowings available under our credit facility. During fiscal 2020, we generated \$262 million of cash from operations. To date, we have not experienced any significant deterioration in our financial condition or liquidity due to the COVID-19 pandemic and our credit facilities remain available.

Our primary sources of liquidity are cash flows from operations and borrowings under our credit facilities. Our primary uses of cash are to fund working capital, capital expenditures, stock repurchases, cash dividends and repayment of debt, as well as to fund acquisitions and earn-out obligations from prior acquisitions. We believe that our existing cash and cash equivalents, operating cash flows and borrowing capacity under our credit agreement, as described below, will be sufficient to meet our capital requirements for at least the next 12 months including any additional resources needed to address the COVID-19 pandemic.

We use a variety of tax planning and financing strategies to manage our worldwide cash and deploy funds to locations where they are needed. At September 27, 2020, undistributed earnings of our foreign subsidiaries, primarily in Canada, amounting to approximately \$66.9 million are expected to be permanently reinvested in these foreign countries. Accordingly, no provision for foreign withholding taxes has been made. Upon distribution of those earnings, we would be subject to foreign withholding taxes. Assuming the permanently reinvested foreign earnings were repatriated under the laws and rates applicable

at September 27, 2020, the incremental foreign withholding taxes applicable to those earnings would be approximately \$2.0 million. We currently have no need or plans to repatriate undistributed foreign earnings in the foreseeable future; however, this could change due to varied economic circumstances or modifications in tax law.

On November 5, 2018, the Board of Directors authorized a stock repurchase program ("2019 Program") under which we could repurchase up to \$200 million of our common stock. This was in addition to the \$25 million remaining as of fiscal 2018 year-end under the previous stock repurchase program ("2018 Program"). On January 27, 2020, the Board of Directors authorized a new \$200 million stock repurchase program ("2020 Program"). In fiscal 2019, we expended \$100 million to repurchase our stock under these programs. In fiscal 2020, we paid an additional \$117.2 million for share repurchases. As a result, we had a remaining balance of \$207.8 million available under the 2019 and 2020 programs. We declared and paid common stock dividends totaling \$34.7 million, or \$0.64 per share, in fiscal 2020 compared to \$29.7 million, or \$0.54 per share, in fiscal 2019.

Subsequent Event. On November 9, 2020, the Board of Directors declared a quarterly cash dividend of \$0.17 per share payable on December 11, 2020 to stockholders of record as of the close of business on November 30, 2020.

Cash and Cash Equivalents. As of September 27, 2020, cash and cash equivalents were \$157.5 million, an increase of \$36.6 million compared to the fiscal 2019 year-end. The increase was due to net cash provided by operating activities, primarily due to shorter collection periods for accounts receivable, and increased proceeds from sale of equipment. These increases were partially offset by stock repurchases, dividends, acquisitions and contingent earn-out payments.

Operating Activities. For fiscal 2020, net cash provided by operating activities was \$262.5 million compared to \$208.5 million in fiscal 2019. The increase was primarily due to strong cash collections on our accounts receivable.

Investing Activities. Net cash used in investing activities was \$63.0 million in fiscal 2020, a decrease of \$36.7 million compared to last year. The change resulted from lower payments for acquisitions in fiscal 2020 compared to last year and the proceeds from sales of equipment related to the disposal of our Canadian turn-key pipeline activities.

Financing Activities. For fiscal 2020, net cash used in financing activities was \$163.0 million, an increase of \$28.0 million compared to fiscal 2019. The change was primarily due to increased stock repurchases and contingent earn-out payments.

Debt Financing. On July 30, 2018, we entered into a Second Amended and Restated Credit Agreement ("Amended Credit Agreement") with a total borrowing capacity of \$1 billion that will mature in July 2023. The Amended Credit Agreement is a \$700 million senior secured, five-year facility that provides for a \$250 million term loan facility (the "Amended Term Loan Facility"), a \$450 million revolving credit facility (the "Amended Revolving Credit Facility"), and a \$300 million accordion feature that allows us to increase the Amended Credit Agreement to \$1 billion subject to lender approval. The Amended Credit Agreement allows us to, among other things, (i) refinance indebtedness under our Credit Agreement dated as of May 7, 2013; (ii) finance certain permitted open market repurchases of our common stock, permitted acquisitions, and cash dividends and distributions; and (iii) utilize the proceeds for working capital, capital expenditures and other general corporate purposes. The Amended Revolving Credit Facility includes a \$100 million sublimit for the issuance of standby letters of credit, a \$20 million sublimit for swingline loans, and a \$200 million sublimit for multicurrency borrowings and letters of credit.

The entire Amended Term Loan Facility was drawn on July 30, 2018. The Amended Term Loan Facility is subject to quarterly amortization of principal at 5% annually beginning December 31, 2018. We may borrow on the Amended Revolving Credit Facility, at our option, at either (a) a Eurocurrency rate plus a margin that ranges from 1.00% to 1.75% per annum, or (b) a base rate for loans in U.S. dollars (the highest of the U.S. federal funds rate plus 0.50% per annum, the bank's prime rate or the Eurocurrency rate plus 1.00%) plus a margin that ranges from 0% to 0.75% per annum. In each case, the applicable margin is based on our Consolidated Leverage Ratio, calculated quarterly. The Amended Term Loan Facility is subject to the same interest rate provisions. The Amended Credit Agreement expires on July 30, 2023, or earlier at our discretion upon payment in full of loans and other obligations.

At September 27, 2020, we had \$254.9 million in outstanding borrowings under the Amended Credit Agreement, which was comprised of \$228.1 million under the Amended Term Loan Facility and \$26.8 million outstanding under the Amended Revolving Credit Facility at a year-to-date weighted-average interest rate of 2.31% per annum. In addition, we had \$0.7 million in standby letters of credit under the Amended Credit Agreement. Our average effective weighted-average interest rate on borrowings outstanding during the year-to-date period ended September 27, 2020 under the Amended Credit Agreement, including the effects of interest rate swap agreements described in Note 14, "Derivative Financial Instruments" of the "Notes to Consolidated Financial Statements" included in Item 8, was 3.52%. At September 27, 2020, we had \$422.4 million of available credit under the Amended Revolving Credit Facility, all of which could be borrowed without a violation of our debt covenants. Commitment fees related to our revolving credit facilities were \$0.7 million, \$0.7 million, and \$0.6 million for fiscal 2020, 2019 and 2018, respectively.

The Amended Credit Agreement contains certain affirmative and restrictive covenants, and customary events of default. The financial covenants provide for a maximum Consolidated Leverage Ratio of 3.00 to 1.00 (total funded debt/EBITDA, as defined in the Amended Credit Agreement) and a minimum Consolidated Interest Coverage Ratio of 3.00 to 1.00 (EBITDA/Consolidated Interest Charges, as defined in the Amended Credit Agreement). Our obligations under the Amended Credit Agreement are guaranteed by certain of our domestic subsidiaries and are secured by first priority liens on (i) the equity interests of certain of our subsidiaries, including those subsidiaries that are guarantors or borrowers under the Amended Credit Agreement, and (ii) the accounts receivable, general intangibles and intercompany loans, and those of our subsidiaries that are guarantors or borrowers. At September 27, 2020, we were in compliance with these covenants with a consolidated leverage ratio of 1.10x and a consolidated interest coverage ratio of 19.76x.

In addition to the Amended Credit Agreement, we maintain other credit facilities, which may be used for bank overdrafts, short-term cash advances and bank guarantees. At September 27, 2020, there was \$36.6 million outstanding under these facilities and the aggregate amount of standby letters of credit outstanding was \$69.7 million. As of September 27, 2020, we had bank overdrafts of \$33.6 million related to our U.S. disbursement bank accounts. This balance is reported in the "Current portion of long-term debt and other short-term borrowings" within our fiscal 2020 year-end consolidated balance sheet. The change in bank overdraft balance is classified as cash flows from financing activities within our consolidated statements of cash flows as we believe these overdrafts to be a form of short-term financing from the bank due to our ability to fund the overdraft with the \$50.0 million overdraft protection on the bank accounts or our other credit facilities if needed.

Inflation. We believe our operations have not been, and, in the foreseeable future, are not expected to be, materially adversely affected by inflation or changing prices due to the average duration of our projects and our ability to negotiate prices as contracts end and new contracts begin.

Dividends. Our Board of Directors has authorized the following dividends:

	Dividend Per Share	Record Date	Total Maximum Payment (in thousands)	Payment Date
November 11, 2019	\$ 0.15	December 2, 2019	\$ 8,190	December 13, 2019
January 27, 2020	\$ 0.15	February 12, 2020	\$ 8,225	February 28, 2020
April 27, 2020	\$ 0.17	May 13, 2020	\$ 9,175	May 27, 2020
July 27, 2020	\$ 0.17	August 21, 2020	\$ 9,153	September 4, 2020
November 9, 2020	\$ 0.17	November 30, 2020	N/A	December 11, 2020

Contractual Obligations. The following sets forth our contractual obligations at September 27, 2020:

	Total	Year 1	Years 2 - 3	Years 4 - 5	Beyond
	(in thousands)				
Debt:					
Credit facility	\$ 291,522	\$ 49,127	\$ 242,395	\$ —	\$ —
Other debt	137	137	—	—	—
Interest ⁽¹⁾	9,326	3,439	5,887	—	—
Operating leases ⁽²⁾	333,810	88,069	141,736	56,513	47,492
Contingent earn-outs ⁽³⁾	32,617	16,142	16,475	—	—
Other long-term obligations ⁽⁴⁾	39,599	1,841	2,561	245	34,952
Unrecognized tax benefits ⁽⁵⁾	9,650	7,633	1,694	323	—
Total	\$ 716,661	\$ 166,388	\$ 410,748	\$ 57,081	\$ 82,444

⁽¹⁾ Interest primarily related to the Term Loan Facility is based on a weighted-average interest rate at September 27, 2020, on borrowings that are presently outstanding.

⁽²⁾ Predominantly represents leases for our Corporate and project office spaces.

⁽³⁾ Represents the estimated fair value recorded for contingent earn-out obligations for acquisitions. The remaining maximum contingent earn-out obligations for these acquisitions total \$70.9 million.

⁽⁴⁾ Predominantly represents deferred compensation liability.

⁽⁵⁾ Represents liabilities for unrecognized tax benefits related to uncertain tax positions, excluding amounts related primarily to outstanding refund claims. For more information, see Note 8, "Income Taxes" of the "Notes to Consolidated Financial Statements" included in Item 8.

Income Taxes

We evaluate the realizability of our deferred tax assets by assessing the valuation allowance and adjust the allowance, if necessary. The factors used to assess the likelihood of realization are our forecast of future taxable income and available tax planning strategies that could be implemented to realize the net deferred tax assets. The ability or failure to achieve the forecasted taxable income in the applicable taxing jurisdictions could affect the ultimate realization of deferred tax assets. Based on future operating results in certain jurisdictions, it is possible that the current valuation allowance positions of those jurisdictions could be adjusted in the next 12 months, particularly in the United Kingdom where we have a valuation allowance of approximately \$14 million primarily related to the realizability of net operating loss carry-forwards.

As of September 27, 2020 and September 29, 2019, the liability for income taxes associated with uncertain tax positions was \$9.7 million and \$8.8 million, respectively.

It is reasonably possible that the amount of the unrecognized benefit with respect to certain of our unrecognized tax positions may significantly decrease within the next 12 months. These changes would be the result of ongoing examinations.

Off-Balance Sheet Arrangements

In the ordinary course of business, we may use off-balance sheet arrangements if we believe that such arrangements would be an efficient way to lower our cost of capital or help us manage the overall risks of our business operations. We do not believe that such arrangements have had a material adverse effect on our financial position or our results of operations.

The following is a summary of our off-balance sheet arrangements:

- Letters of credit and bank guarantees are used primarily to support project performance and insurance programs. We are required to reimburse the issuers of letters of credit and bank guarantees for any payments they make under the outstanding letters of credit or bank guarantees. Our Amended Credit Agreement and additional letter of credit facilities cover the issuance of our standby letters of credit and bank guarantees and are critical for our normal operations. If we default on the Amended Credit Agreement or additional credit facilities, our inability to issue or renew standby letters of credit and bank guarantees would impair our ability to maintain normal operations. At September 27, 2020, we had \$0.7 million in standby letters of credit outstanding under our Amended Credit Agreement and \$69.7 million in standby letters of credit outstanding under our additional letter of credit facilities.
- From time to time, we provide guarantees and indemnifications related to our services. If our services under a guaranteed or indemnified project are later determined to have resulted in a material defect or other material deficiency, then we may be responsible for monetary damages or other legal remedies. When sufficient information about claims on guaranteed or indemnified projects is available and monetary damages or other costs or losses are determined to be probable, we recognize such guaranteed losses.

- In the ordinary course of business, we enter into various agreements as part of certain unconsolidated subsidiaries, joint ventures, and other jointly executed contracts where we are jointly and severally liable. We enter into these agreements primarily to support the project execution commitments of these entities. The potential payment amount of an outstanding performance guarantee is typically the remaining cost of work to be performed by or on behalf of third parties under engineering and construction contracts. However, we are not able to estimate other amounts that may be required to be paid in excess of estimated costs to complete contracts and, accordingly, the total potential payment amount under our outstanding performance guarantees cannot be estimated. For cost-plus contracts, amounts that may become payable pursuant to guarantee provisions are normally recoverable from the client for work performed under the contract. For lump sum or fixed-price contracts, this amount is the cost to complete the contracted work less amounts remaining to be billed to the client under the contract. Remaining billable amounts could be greater or less than the cost to complete. In those cases where costs exceed the remaining amounts payable under the contract, we may have recourse to third parties, such as owners, co-venturers, subcontractors or vendors, for claims.
- In the ordinary course of business, our clients may request that we obtain surety bonds in connection with contract performance obligations that are not required to be recorded in our consolidated balance sheets. We are obligated to reimburse the issuer of our surety bonds for any payments made thereunder. Each of our commitments under performance bonds generally ends concurrently with the expiration of our related contractual obligation.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

The preparation of our financial statements in conformity with U.S. GAAP requires us to make estimates and assumptions in the application of certain accounting policies that affect amounts reported in our consolidated financial statements and accompanying footnotes included in Item 8 of this report. In order to understand better the changes that may occur to our financial condition, results of operations and cash flows, readers should be aware of the critical accounting policies we apply and estimates we use in preparing our consolidated financial statements. Although such estimates and assumptions are based on management's best knowledge of current events and actions we may undertake in the future, actual results could differ materially from those estimates.

Our significant accounting policies are described in the "Notes to Consolidated Financial Statements" included in Item 8. Highlighted below are the accounting policies that management considers most critical to investors' understanding of our financial results and condition, and that require complex judgments by management.

Revenue Recognition and Contract Costs

To determine the proper revenue recognition method for contracts under ASC 606, we evaluate whether multiple contracts should be combined and accounted for as a single contract and whether the combined or single contract should be accounted for as having more than one performance obligation. The decision to combine a group of contracts or separate a combined or single contract into multiple performance obligations may impact the amount of revenue recorded in a given period. Contracts are considered to have a single performance obligation if the promises are not separately identifiable from other promises in the contracts.

At contract inception, we assess the goods or services promised in a contract and identify, as a separate performance obligation, each distinct promise to transfer goods or services to the customer. The identified performance obligations represent the "unit of account" for purposes of determining revenue recognition. In order to properly identify separate performance obligations, we apply judgment in determining whether each good or service provided is: (a) capable of being distinct, whereby the customer can benefit from the good or service either on its own or together with other resources that are readily available to the customer, and (b) distinct within the context of the contract, whereby the transfer of the good or service to the customer is separately identifiable from other promises in the contract.

Contracts are often modified to account for changes in contract specifications and requirements. We consider contract modifications to exist when the modification either creates new or changes the existing enforceable rights and obligations. Most of our contract modifications are for goods or services that are not distinct from existing contracts due to the significant integration provided or significant interdependencies in the context of the contract and are accounted for as if they were part of the original contract. The effect of a contract modification on the transaction price and our measure of progress for the performance obligation to which it relates, is recognized as an adjustment to revenue (either as an increase in or a reduction of revenue) on a cumulative catch-up basis.

We account for contract modifications as a separate contract when the modification results in the promise to deliver additional goods or services that are distinct and the increase in price of the contract is for the same amount as the stand-alone selling price of the additional goods or services included in the modification.

The transaction price represents the amount of consideration to which we expect to be entitled in exchange for transferring promised goods or services to our customers. The consideration promised within a contract may include fixed

amounts, variable amounts, or both. The nature of our contracts gives rise to several types of variable consideration, including claims, award fee incentives, fiscal funding clauses, and liquidated damages. We recognize revenue for variable consideration when it is probable that a significant reversal in the amount of cumulative revenue recognized for the contract will not occur. We estimate the amount of revenue to be recognized on variable consideration using either the expected value or the most likely amount method, whichever is expected to better predict the amount of consideration to be received. Project mobilization costs are generally charged to project costs as incurred when they are an integrated part of the performance obligation being transferred to the client.

Claims are amounts in excess of agreed contract prices that we seek to collect from our clients or other third parties for delays, errors in specifications and designs, contract terminations, change orders in dispute or unapproved as to both scope and price, or other causes of unanticipated additional costs. Factors considered in determining whether revenue associated with claims (including change orders in dispute and unapproved change orders in regard to both scope and price) should be recognized include the following: (a) the contract or other evidence provides a legal basis for the claim, (b) additional costs were caused by circumstances that were unforeseen at the contract date and not the result of deficiencies in our performance, (c) claim-related costs are identifiable and considered reasonable in view of the work performed, and (d) evidence supporting the claim is objective and verifiable. This can lead to a situation in which costs are recognized in one period and revenue is recognized in a subsequent period when a client agreement is obtained, or a claims resolution occurs. In some cases, contract retentions are withheld by clients until certain conditions are met or the project is completed, which may be several months or years. In these cases, we have not identified a significant financing component under ASC 606 as the timing difference in payment compared to delivery of obligations under the contract is not for purposes of financing.

For contracts with multiple performance obligations, we allocate the transaction price to each performance obligation using a best estimate of the standalone selling price of each distinct good or service in the contract. The standalone selling price is typically determined using the estimated cost of the contract plus a margin approach. For contracts containing variable consideration, we allocate the variability to a specific performance obligation within the contract if such variability relates specifically to our efforts to satisfy the performance obligation or transfer the distinct good or service, and the allocation depicts the amount of consideration to which we expect to be entitled.

We recognize revenue over time as the related performance obligation is satisfied by transferring control of a promised good or service to our customers. Progress toward complete satisfaction of the performance obligation is primarily measured using a cost-to-cost measure of progress method. The cost input is based primarily on contract cost incurred to date compared to total estimated contract cost. This measure includes forecasts based on the best information available and reflects our judgment to faithfully depict the value of the services transferred to the customer. For certain on-call engineering or consulting and similar contracts, we recognize revenue in the amount which we have the right to invoice the customer if that amount corresponds directly with the value of our performance completed to date.

Due to uncertainties inherent in the estimation process, it is possible that estimates of costs to complete a performance obligation will be revised in the near-term. For those performance obligations for which revenue is recognized using a cost-to-cost measure of progress method, changes in total estimated costs, and related progress towards complete satisfaction of the performance obligation, are recognized on a cumulative catch-up basis in the period in which the revisions to the estimates are made. When the current estimate of total costs indicates a loss, a provision for the entire estimated loss on the contract is made in the period in which the loss becomes evident.

Contract Types

Our services are performed under three principal types of contracts: fixed-price, time-and-materials and cost-plus. Customer payments on contracts are typically due within 60 days of billing, depending on the contract.

Fixed-Price. Under fixed-price contracts, clients pay us an agreed fixed-amount negotiated in advance for a specified scope of work.

Time-and-Materials. Under time-and-materials contracts, we negotiate hourly billing rates and charge our clients based on the actual time that we spend on a project. In addition, clients reimburse us for our actual out-of-pocket costs for materials and other direct incidental expenditures that we incur in connection with our performance under the contract. Most of our time-and-material contracts are subject to maximum contract values, and also may include annual billing rate adjustment provisions.

Cost-Plus. Under cost-plus contracts, we are reimbursed for allowed or otherwise defined costs incurred plus a negotiated fee. The contracts may also include incentives for various performance criteria, including quality, timeliness, ingenuity, safety and cost-effectiveness. In addition, our costs are generally subject to review by our clients and regulatory audit agencies, and such reviews could result in costs being disputed as non-reimbursable under the terms of the contract.

Insurance Matters, Litigation and Contingencies

In the normal course of business, we are subject to certain contractual guarantees and litigation. Generally, such guarantees relate to project schedules and performance. Most of the litigation involves us as a defendant in contractual disagreements, workers' compensation, personal injury and other similar lawsuits. We maintain insurance coverage for various aspects of our business and operations. However, we have elected to retain a portion of losses that may occur through the use of various deductibles, limits and retentions under our insurance programs. This practice may subject us to some future liability for which we are only partially insured or are completely uninsured.

We record in our consolidated balance sheets amounts representing our estimated liability for self-insurance claims. We utilize actuarial analyses to assist in determining the level of accrued liabilities to establish for our employee medical and workers' compensation self-insurance claims that are known and have been asserted against us, as well as for self-insurance claims that are believed to have been incurred based on actuarial analyses but have not yet been reported to our claims administrators at the balance sheet date. We include any adjustments to such insurance reserves in our consolidated statements of income.

Except as described in Note 17, "Commitments and Contingencies" of the "Notes to Consolidated Financial Statements" included in Item 8, we do not have any litigation or other contingencies that have had, or are currently anticipated to have, a material impact on our results of operations or financial position. As additional information about current or future litigation or other contingencies becomes available, management will assess whether such information warrants the recording of additional expenses relating to those contingencies. Such additional expenses could potentially have a material impact on our results of operations and financial position.

Goodwill and Intangibles

The cost of an acquired company is assigned to the tangible and intangible assets purchased and the liabilities assumed on the basis of their fair values at the date of acquisition. The determination of fair values of assets and liabilities acquired requires us to make estimates and use valuation techniques when a market value is not readily available. Any excess of purchase price over the fair value of net tangible and intangible assets acquired is allocated to goodwill. Goodwill typically represents the value paid for the assembled workforce and enhancement of our service offerings.

Identifiable intangible assets include backlog, non-compete agreements, client relations, trade names, patents and other assets. The costs of these intangible assets are amortized over their contractual or economic lives, which range from one to ten years. We assess the recoverability of the unamortized balance of our intangible assets when indicators of impairment are present based on expected future profitability and undiscounted expected cash flows and their contribution to our overall operations. Should the review indicate that the carrying value is not fully recoverable, the excess of the carrying value over the fair value of the intangible assets would be recognized as an impairment loss.

We perform our annual goodwill impairment review at the beginning of our fiscal fourth quarter. In addition, we regularly evaluate whether events and circumstances have occurred that may indicate a potential change in recoverability of goodwill. We perform interim goodwill impairment reviews between our annual reviews if certain events and circumstances have occurred, including a deterioration in general economic conditions, an increased competitive environment, a change in management, key personnel, strategy or customers, negative or declining cash flows, or a decline in actual or planned revenue or earnings compared with actual and projected results of relevant prior periods (see Note 6, "Goodwill and Intangible Assets" of the "Notes to Consolidated Financial Statements" in Item 8 for further discussion).

We believe the methodology that we use to review impairment of goodwill, which includes a significant amount of judgment and estimates, provides us with a reasonable basis to determine whether impairment has occurred. However, many of the factors employed in determining whether our goodwill is impaired are outside of our control and it is reasonably likely that assumptions and estimates will change in future periods. These changes could result in future impairments.

The goodwill impairment review involves the determination of the fair value of our reporting units, which for us are the components one level below our reportable segments. This process requires us to make significant judgments and estimates, including assumptions about our strategic plans with regard to our operations as well as the interpretation of current economic indicators and market valuations. Furthermore, the development of the present value of future cash flow projections includes assumptions and estimates derived from a review of our expected revenue growth rates, operating profit margins, business plans, discount rates, and terminal growth rates. We also make certain assumptions about future market conditions, market prices, interest rates and changes in business strategies. Changes in assumptions or estimates could materially affect the determination of the fair value of a reporting unit. This could eliminate the excess of fair value over carrying value of a reporting unit entirely and, in some cases, result in impairment. Such changes in assumptions could be caused by a loss of one or more significant contracts, reductions in government or commercial client spending, or a decline in the demand for our services due to changing economic conditions. In the event that we determine that our goodwill is impaired, we would be

required to record a non-cash charge that could result in a material adverse effect on our results of operations or financial position.

We use two methods to determine the fair value of our reporting units: (i) the Income Approach and (ii) the Market Approach. While each of these approaches is initially considered in the valuation of the business enterprises, the nature and characteristics of the reporting units indicate which approach is most applicable. The Income Approach utilizes the discounted cash flow method, which focuses on the expected cash flow of the reporting unit. In applying this approach, the cash flow available for distribution is calculated for a finite period of years. Cash flow available for distribution is defined, for purposes of this analysis, as the amount of cash that could be distributed as a dividend without impairing the future profitability or operations of the reporting unit. The cash flow available for distribution and the terminal value (the value of the reporting unit at the end of the estimation period) are then discounted to present value to derive an indication of the value of the business enterprise. The Market Approach is comprised of the guideline company method and the similar transactions method. The guideline company method focuses on comparing the reporting unit to select reasonably similar (or "guideline") publicly traded companies. Under this method, valuation multiples are (i) derived from the operating data of selected guideline companies; (ii) evaluated and adjusted based on the strengths and weaknesses of the reporting units relative to the selected guideline companies; and (iii) applied to the operating data of the reporting unit to arrive at an indication of value. In the similar transactions method, consideration is given to prices paid in recent transactions that have occurred in the reporting unit's industry or in related industries. For our annual impairment analysis, we weighted the Income Approach and the Market Approach at 70% and 30%, respectively. The Income Approach was given a higher weight because it has the most direct correlation to the specific economics of the reporting unit, as compared to the Market Approach, which is based on multiples of broad-based (i.e., less comparable) companies. Our last review at June 29, 2020 (i.e. the first day of our fourth quarter in fiscal 2020), indicated that we had no impairment of goodwill, and all of our reporting units had estimated fair values that were in excess of their carrying values, including goodwill. Our ASP reporting unit was the only reporting unit that had an estimated fair value that exceeded its carrying value by less than 20%.

On September 2, 2020, Australia announced that it had fallen into economic recession, defined as two consecutive quarters of negative growth, for the first time since 1991 including 7% negative growth in the quarter ending in June 2020. This prompted a strategic review of our ASP reporting unit, which is in our CIG reportable segment. As a result of the economic recession in Australia, our revenue growth and profit margin forecasts for the ASP reporting unit declined from the previous forecast used for our annual goodwill impairment review as of June 29, 2020. We also performed an interim goodwill impairment review of our ASP reporting unit in September 2020 and recorded a \$15.8 million goodwill impairment charge. The impaired goodwill related to our acquisitions of Coffey and NDY. As a result of the impairment charge, the estimated fair value of our ASP reporting unit equals its carrying value of \$144.9 million, including \$95.5 million of goodwill, at September 27, 2020.

Contingent Consideration

Certain of our acquisition agreements include contingent earn-out arrangements, which are generally based on the achievement of future operating income thresholds. The contingent earn-out arrangements are based upon our valuations of the acquired companies and reduce the risk of overpaying for acquisitions if the projected financial results are not achieved.

The fair values of these earn-out arrangements are included as part of the purchase price of the acquired companies on their respective acquisition dates. For each transaction, we estimate the fair value of contingent earn-out payments as part of the initial purchase price and record the estimated fair value of contingent consideration as a liability in "Estimated contingent earn-out liabilities" and "Long-term estimated contingent earn-out liabilities" on the consolidated balance sheets. We consider several factors when determining that contingent earn-out liabilities are part of the purchase price, including the following: (1) the valuation of our acquisitions is not supported solely by the initial consideration paid, and the contingent earn-out formula is a critical and material component of the valuation approach to determining the purchase price; and (2) the former shareholders of acquired companies that remain as key employees receive compensation other than contingent earn-out payments at a reasonable level compared with the compensation of our other key employees. The contingent earn-out payments are not affected by employment termination.

We measure our contingent earn-out liabilities at fair value on a recurring basis using significant unobservable inputs classified within Level 3 of the fair value hierarchy (See Note 2, "Basis of Presentation and Preparation – Fair Value of Financial Instruments" of the "Notes to Consolidated Financial Statements" included in Item 8). We use a probability weighted discounted income approach as a valuation technique to convert future estimated cash flows to a single present value amount. The significant unobservable inputs used in the fair value measurements are operating income projections over the earn-out period (generally two or three years), and the probability outcome percentages we assign to each scenario. Significant increases or decreases to either of these inputs in isolation would result in a significantly higher or lower liability with a higher liability capped by the contractual maximum of the contingent earn-out obligation. Ultimately, the liability will be equivalent to the amount paid, and the difference between the fair value estimate and amount paid will be recorded in earnings. The amount paid that is less than or equal to the liability on the acquisition date is reflected as cash used in financing activities in our

consolidated statements of cash flows. Any amount paid in excess of the liability on the acquisition date is reflected as cash used in operating activities in our consolidated statements of cash flows.

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. Changes in the estimated fair value of our contingent earn-out liabilities related to the time component of the present value calculation are reported in interest expense. Adjustments to the estimated fair value related to changes in all other unobservable inputs are reported in operating income.

Income Taxes

We file a consolidated U.S. federal income tax return. In addition, we file other returns that are required in the states, foreign jurisdictions and other jurisdictions in which we do business. We account for certain income and expense items differently for financial reporting and income tax purposes. Deferred tax assets and liabilities are computed for the differences between the financial statement and tax bases of assets and liabilities that will result in taxable or deductible amounts in the future based on enacted tax laws and rates applicable to the periods in which the differences are expected to reverse. In determining the need for a valuation allowance on deferred tax assets, management reviews both positive and negative evidence, including current and historical results of operations, future income projections and potential tax planning strategies. Based on our assessment, we have concluded that a portion of the deferred tax assets at September 27, 2020, primarily loss carryforwards, will not be realized, and we have reserved accordingly.

According to the authoritative guidance on accounting for uncertainty in income taxes, we may recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position should be measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. For more information related to our unrecognized tax benefits, see Note 8, "Income Taxes" of the "Notes to Consolidated Financial Statements" included in Item 8.

RECENT ACCOUNTING PRONOUNCEMENTS

For a discussion of recent accounting standards and the effect they could have on the consolidated financial statements, see Note 2, "Basis of Presentation and Preparation" of the "Notes to Consolidated Financial Statements" included in Item 8.

Item 7A. Quantitative and Qualitative Disclosures about Market Risk

We do not enter into derivative financial instruments for trading or speculation purposes. In the normal course of business, we have exposure to both interest rate risk and foreign currency transaction and translation risk, primarily related to the Canadian and Australian dollar, and British Pound.

We are exposed to interest rate risk under our Amended Credit Agreement. We can borrow, at our option, under both the Amended Term Loan Facility and Amended Revolving Credit Facility. We may borrow on the Amended Revolving Credit Facility, at our option, at either (a) a Eurocurrency rate plus a margin that ranges from 1.00% to 1.75% per annum, or (b) a base rate for loans in U.S. dollars (the highest of the U.S. federal funds rate plus 0.50% per annum, the bank's prime rate or the Eurocurrency rate plus 1.00%) plus a margin that ranges from 0% to 0.75% per annum. Borrowings at the base rate have no designated term and may be repaid without penalty any time prior to the Facility's maturity date. Borrowings at a Eurodollar rate have a term no less than 30 days and no greater than 180 days and may be prepaid without penalty. Typically, at the end of such term, such borrowings may be rolled over at our discretion into either a borrowing at the base rate or a borrowing at a Eurodollar rate with similar terms, not to exceed the maturity date of the Facility. The Facility matures on July 30, 2023. At September 27, 2020, we had borrowings outstanding under the Credit Agreement of \$254.9 million at a weighted-average interest rate of 2.31% per annum.

In August 2018, we entered into five interest rate swap agreements with five banks to fix the variable interest rate on \$250 million of our Amended Term Loan Facility. The objective of these interest rate swaps was to eliminate the variability of our cash flows on the amount of interest expense we pay under our Credit Agreement. As of September 27, 2020, the notional principal of our outstanding interest swap agreements was \$228.1 million (\$45.6 million each.) Our year-to-date average effective interest rate on borrowings outstanding under the Credit Agreement, including the effects of interest rate swap agreements, at September 27, 2020, was 3.52%. For more information, see Note 14, "Derivative Financial Instruments" of the "Notes to Consolidated Financial Statements" in Item 8.

Most of our transactions are in U.S. dollars; however, some of our subsidiaries conduct business in foreign currencies, primarily the Canadian and Australian dollar, and British Pound. Therefore, we are subject to currency exposure and volatility because of currency fluctuations. We attempt to minimize our exposure to these fluctuations by matching revenue and expenses in the same currency for our contracts. We reported \$1.3 million of foreign currency losses in fiscal 2020 and \$0.5 million of foreign currency gains in fiscal 2019 in "Selling, general and administrative expenses" on our consolidated statements of income.

We have foreign currency exchange rate exposure in our results of operations and equity primarily because of the currency translation related to our foreign subsidiaries where the local currency is the functional currency. To the extent the U.S. dollar strengthens against foreign currencies, the translation of these foreign currency denominated transactions will result in reduced revenue, operating expenses, assets and liabilities. Similarly, our revenue, operating expenses, assets and liabilities will increase if the U.S. dollar weakens against foreign currencies. For fiscal 2020 and 2019, 29.6% and 27.7% of our consolidated revenue, respectively, was generated by our international business. For fiscal 2020, the effect of foreign exchange rate translation on the consolidated balance sheets was an increase in equity of \$3.4 million compared to a decrease in equity of \$21.1 million in fiscal 2019. These amounts were recognized as an adjustment to equity through other comprehensive income.

Item 8. Financial Statements and Supplementary Data

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Stockholders of Tetra Tech, Inc.

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Tetra Tech, Inc. and its subsidiaries (the “Company”) as of September 27, 2020 and September 29, 2019, and the related consolidated statements of income, comprehensive income, equity and cash flows for each of the three years in the period ended September 27, 2020, including the related notes and financial statement schedule listed in the accompanying index (collectively referred to as the “consolidated financial statements”). We also have audited the Company's internal control over financial reporting as of September 27, 2020, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of September 27, 2020 and September 29, 2019, and the results of its operations and its cash flows for each of the three years in the period ended September 27, 2020 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of September 27, 2020, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the COSO.

Change in Accounting Principle

As discussed in Note 2 to the consolidated financial statements, the Company changed the manner in which it accounts for leases in fiscal 2020.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Critical Audit Matters

The critical audit matters communicated below are matters arising from the current period audit of the consolidated financial statements that were communicated or required to be communicated to the audit committee and that (i) relate to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

Revenue Recognition - Determination of Total Estimated Contract Cost for Fixed-price Contracts

As described in Note 3 to the consolidated financial statements, \$1.1 billion of the Company's total revenues for the year ended September 27, 2020 was generated from fixed-price contracts. As disclosed by management, under fixed-price contracts, the Company's clients pay an agreed fixed-amount negotiated in advance for a specified scope of work. Revenue is recognized over time as the related performance obligation is satisfied by transferring control of a promised good or service to the Company's customers. Progress toward complete satisfaction of the performance obligation is primarily measured using a cost-to-cost measure of progress method. The cost input is based primarily on contract cost incurred to date compared to total estimated contract cost. This measure includes forecasts based on the best information available and reflects the judgement to faithfully depict the value of the services transferred to the customer. Due to uncertainties inherent in the estimation process, it is possible that estimates of costs to complete a performance obligation will be revised in the near-term. For those performance obligations for which revenue is recognized using a cost-to-cost measure of progress method, changes in total estimated costs, and related progress towards complete satisfaction of the performance obligation, are recognized on a cumulative catch-up basis in the period in which the revisions to the estimates are made. As a result, the Company recognized net favorable operating income adjustments of \$0.8 million as of September 27, 2020, exclusive of the amounts related to claims described below. Changes in revenue and cost estimates could also result in a projected loss, determined at the contract level, which would be recorded immediately in earnings. The anticipated losses and estimated cost to complete the related contracts was \$13.2 million and \$118 million as of September 27, 2020. Claims are amounts in excess of agreed contract prices that the Company seeks to collect from clients or other third parties. Claims were approximately \$14 million as of September 27, 2020.

The principal considerations for our determination that performing procedures relating to revenue recognition - determination of total estimated contract cost for fixed-price contracts is a critical audit matter are the significant amount of judgment required by management in determining the total estimated contract cost for fixed-price contracts which, in turn, led to a high degree of auditor judgment, subjectivity and audit effort in performing procedures and in evaluating the audit evidence obtained related to the total estimated contract costs for fixed-price contracts with cumulative catch-up adjustments, anticipated losses or claims.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to the revenue recognition process, including controls over the determination of total estimated contract cost for fixed-price contracts. These procedures also included, among others, (i) evaluating and testing management's process for determining the total estimated contract cost for a sample of contracts with cumulative catch-up adjustments, anticipated losses or claims, which included evaluating the contract terms and other documents that support those estimates, and testing of underlying contract costs; (ii) assessing management's ability to reasonably estimate total contract costs by performing a comparison of the actual total estimated contract cost as compared with prior period estimates, including evaluating the timely identification of circumstances that may warrant a modification to the total estimated contract cost; and (iii) evaluating, for certain contracts, management's methodologies and assessing the consistency of management's approach over the life of the contract.

Goodwill Impairment Assessment - Asia/Pacific Reporting Unit

As described in Notes 2 and 6 to the consolidated financial statements, the Company's consolidated goodwill balance was \$993.5 million as of September 27, 2020, and the goodwill associated with the Asia/Pacific (ASP) reporting unit was \$95.5 million. Management performs an annual goodwill impairment review at the beginning of the fiscal fourth quarter, June 29, 2020, or more frequently when an event occurs or circumstances indicate that the carrying value of the asset may not be recoverable. On September 2, 2020, Australia announced that it had fallen into economic recession in the quarter ending in June 2020. Management performed an interim goodwill impairment review of the ASP reporting unit and recorded a \$15.8 million goodwill impairment charge. The impairment test for goodwill involves the comparison of the estimated fair value of each reporting unit to the reporting unit's carrying value, including goodwill. Management estimates the fair value of reporting units based on a comparison and weighting of the income approach, specifically the discounted cash flow method and the market

approach. The development of the present value of future cash flow projections include assumptions and estimates derived from expected revenue growth rates, operating profit margins, discount rates and the terminal growth rates.

The principal considerations for our determination that performing procedures relating to the goodwill impairment assessment of the ASP reporting unit is a critical audit matter are (i) the significant judgment by management when developing the fair value measurement of the reporting unit ; (ii) a high degree of auditor judgment, subjectivity, and effort in performing procedures to evaluate management's significant assumptions related to revenue growth rates, operating profit margins, discount rates and terminal growth rates; and (iii) the audit effort involved the use of professionals with specialized skill and knowledge.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to management's goodwill impairment assessment, including controls over the valuation of the ASP reporting unit. These procedures also included, among others, (i) testing management's process for developing the fair value estimate; (ii) evaluating the appropriateness of the discounted cash flow method; and the market approach; (iii) testing the completeness and accuracy of underlying data used in the valuation approaches; and (iv) evaluating the significant assumptions used by management related to the expected revenue growth rates, operating margins, discount rates and the terminal growth rates. Evaluating management's assumptions related to expected revenue growth rates and operating profit margins involved evaluating whether the assumptions used by management were reasonable considering (i) the current and past performance of the reporting unit; (ii) the consistency with external market and industry data; and (iii) whether these assumptions were consistent with evidence obtained in other areas of the audit. Professionals with specialized skill and knowledge were used to assist in the evaluation of the Company's discounted cash flow method and market approach and management's assumptions related to the discount rates and terminal growth rates.

/s/ PricewaterhouseCoopers LLP
Los Angeles, California
November 23, 2020

We have served as the Company's auditor since 2004.

Tetra Tech, Inc.
Consolidated Balance Sheets
(in thousands, except par value)

	September 27, 2020	September 29, 2019
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 157,515	\$ 120,732
Accounts receivable, net	649,035	768,720
Contract assets	92,632	114,324
Prepaid expenses and other current assets	81,094	62,196
Income taxes receivable	19,509	13,820
Total current assets	999,785	1,079,792
Property and equipment, net	35,507	39,441
Right-of-use assets, operating leases	239,396	—
Investments in unconsolidated joint ventures	7,332	6,873
Goodwill	993,498	924,820
Intangible assets, net	13,943	16,440
Deferred tax assets	32,052	28,385
Other long-term assets	57,045	51,657
Total assets	<u>\$ 2,378,558</u>	<u>\$ 2,147,408</u>
LIABILITIES AND EQUITY		
Current liabilities:		
Accounts payable	\$ 111,804	\$ 206,609
Accrued compensation	199,801	203,384
Contract liabilities	171,905	165,611
Short-term lease liabilities, operating leases	69,650	—
Current portion of long-term debt and other short-term borrowings	49,264	12,500
Current contingent earn-out liabilities	16,142	24,977
Other current liabilities	174,890	156,873
Total current liabilities	793,456	769,954
Deferred tax liabilities	16,316	12,971
Long-term debt	242,395	263,934
Long-term lease liabilities, operating leases	191,955	—
Long-term contingent earn-out liabilities	16,475	28,015
Other long-term liabilities	80,588	83,070
Commitments and contingencies (Note 17)		
Equity:		
Preferred stock – Authorized, 2,000 shares of \$0.01 par value; no shares issued and outstanding at September 27, 2020 and September 29, 2019	—	—
Common stock – Authorized, 150,000 shares of \$0.01 par value; issued and outstanding, 53,797 and 54,565 shares at September 27, 2020 and September 29, 2019, respectively	538	546
Additional paid-in capital	—	78,132
Accumulated other comprehensive loss	(161,786)	(160,584)
Retained earnings	1,198,567	1,071,192
Tetra Tech stockholders' equity	1,037,319	989,286
Noncontrolling interests	54	178
Total stockholders' equity	1,037,373	989,464
Total liabilities and stockholders' equity	<u>\$ 2,378,558</u>	<u>\$ 2,147,408</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Income
(in thousands, except per share data)

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Revenue	\$ 2,994,891	\$ 3,107,348	\$ 2,964,148
Subcontractor costs	(646,319)	(717,711)	(763,414)
Other costs of revenue	(1,902,037)	(1,981,454)	(1,816,276)
Gross profit	446,535	408,183	384,458
Selling, general and administrative expenses	(204,615)	(200,230)	(190,120)
Acquisition and integration expenses	—	(10,351)	—
Contingent consideration – fair value adjustments	14,971	(1,085)	(4,252)
Impairment of goodwill	(15,800)	(7,755)	—
Income from operations	241,091	188,762	190,086
Interest income	1,375	1,732	1,824
Interest expense	(14,475)	(15,358)	(17,348)
Income before income tax expense	227,991	175,136	174,562
Income tax expense	(54,101)	(16,375)	(37,605)
Net income	173,890	158,761	136,957
Net income attributable to noncontrolling interests	(31)	(93)	(74)
Net income attributable to Tetra Tech	\$ 173,859	\$ 158,668	\$ 136,883
Earnings per share attributable to Tetra Tech:			
Basic	\$ 3.21	\$ 2.89	\$ 2.46
Diluted	\$ 3.16	\$ 2.84	\$ 2.42
Weighted-average common shares outstanding:			
Basic	54,235	54,986	55,670
Diluted	55,022	55,936	56,598

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Comprehensive Income
(in thousands)

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Net income	\$ 173,890	\$ 158,761	\$ 136,957
Other comprehensive income, net of tax			
Foreign currency translation adjustments, net of tax	3,436	(21,109)	(29,656)
(Loss) gain on cash flow hedge valuations, net of tax	(4,638)	(12,125)	806
Other comprehensive loss attributable to Tetra Tech, net of tax	(1,202)	(33,234)	(28,850)
Other comprehensive income (loss) attributable to noncontrolling interests, net of tax	(1)	243	(64)
Comprehensive income, net of tax	<u>\$ 172,687</u>	<u>\$ 125,770</u>	<u>\$ 108,043</u>
Comprehensive income attributable to Tetra Tech, net of tax	\$ 172,657	\$ 125,434	\$ 108,033
Comprehensive income attributable to noncontrolling interests, net of tax	30	336	10
Comprehensive income, net of tax	<u>\$ 172,687</u>	<u>\$ 125,770</u>	<u>\$ 108,043</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Cash Flows
(in thousands)

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Cash flows from operating activities:			
Net income	\$ 173,890	\$ 158,761	\$ 136,957
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization	24,611	28,844	38,636
Equity in income of unconsolidated joint ventures	(6,605)	(4,073)	(4,008)
Distributions of earnings from unconsolidated joint ventures	6,310	4,048	3,440
Amortization of stock-based awards	19,424	17,618	19,582
Deferred income taxes	565	(37,615)	(29,360)
Provision for doubtful accounts	1,267	16,964	7,167
Impairment of goodwill	15,800	7,755	—
Fair value adjustments to contingent consideration	(14,971)	1,085	4,252
(Gain) loss on sale of assets and divested business	(11,066)	(232)	1,045
Changes in operating assets and liabilities, net of effects of business acquisitions:			
Accounts receivable and contract assets	154,748	(10,226)	(46,273)
Prepaid expenses and other assets	(11,321)	2,568	(12,638)
Accounts payable	(102,162)	39,011	(16,032)
Accrued compensation	(8,173)	18,359	27,492
Contract liabilities	5,894	(6,039)	15,228
Other liabilities	19,460	(16,929)	24,998
Income taxes receivable/payable	(5,192)	(11,386)	17,596
Cash settled contingent earn-out liability	—	—	(2,349)
Net cash provided by operating activities	262,479	208,513	185,733
Cash flows from investing activities:			
Payments for business acquisitions, net of cash acquired	(68,488)	(84,159)	(68,256)
Capital expenditures	(12,245)	(16,198)	(9,726)
Proceeds from sale of assets and divested business, net	17,710	651	35,348
Net cash used in investing activities	(63,023)	(99,706)	(42,634)
Cash flows from financing activities:			
Proceeds from borrowings	344,991	417,262	401,965
Repayments on long-term debt	(331,066)	(415,491)	(485,946)
Repurchases of common stock	(117,188)	(100,000)	(75,000)
Taxes paid on vested restricted stock	(11,166)	(6,893)	(8,871)
Payments of contingent earn-out liabilities	(22,900)	(12,018)	(1,412)
Debt pre-payment costs	—	—	(1,737)
Stock options exercised	10,334	11,751	13,520
Dividends paid	(34,743)	(29,674)	(24,477)
Principal payments on finance leases	(1,311)	—	—
Net cash used in financing activities	(163,049)	(135,063)	(181,958)
Effect of exchange rate changes on cash, cash equivalents and restricted cash	207	(1,727)	(4,947)
Net increase (decrease) in cash, cash equivalents and restricted cash	36,614	(27,983)	(43,806)
Cash, cash equivalents and restricted cash at beginning of year	120,901	148,884	192,690
Cash, cash equivalents and restricted cash at end of year	<u>\$ 157,515</u>	<u>\$ 120,901</u>	<u>\$ 148,884</u>
Supplemental information:			
Cash paid during the year for:			
Interest	\$ 13,256	\$ 12,310	\$ 15,570
Income taxes, net of refunds received of \$1.4 million, \$5.2 million and \$2.5 million	\$ 55,039	\$ 66,038	\$ 49,842
Reconciliation of cash, cash equivalents and restricted cash:			
Cash and cash equivalents	\$ 157,515	\$ 120,732	\$ 146,185
Restricted cash included in other current assets	—	169	2,699
Total cash, cash equivalents and restricted cash	<u>\$ 157,515</u>	<u>\$ 120,901</u>	<u>\$ 148,884</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Equity
Fiscal Years Ended September 30, 2018, September 29, 2019, and September 27, 2020
(in thousands)

	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Total Tetra Tech Equity	Non-Controlling Interests	Total Equity
	Shares	Amount						
BALANCE AT OCTOBER 1, 2017	55,873	\$ 559	\$ 193,835	\$ (98,500)	\$ 832,559	\$ 928,453	\$ 171	\$ 928,624
Comprehensive income, net of tax:								
Net income					136,883	136,883	74	136,957
Foreign currency translation adjustments				(29,656)		(29,656)	(64)	(29,720)
Gain on cash flow hedge valuations				806		806		806
Comprehensive income, net of tax						108,033	10	108,043
Distributions paid to noncontrolling interests							(52)	(52)
Cash dividends of \$0.44 per common share					(24,477)	(24,477)		(24,477)
Stock-based compensation			19,582			19,582		19,582
Stock options exercised	549	5	13,506			13,511		13,511
Restricted & performance shares released	277	3	(8,874)			(8,871)		(8,871)
Shares issued for Employee Stock Purchase Plan	142	1	5,739			5,740		5,740
Stock repurchases	(1,492)	(15)	(74,985)			(75,000)		(75,000)
BALANCE AT SEPTEMBER 30, 2018	55,349	553	148,803	(127,350)	944,965	966,971	129	967,100
Comprehensive income, net of tax:								
Net income					158,668	158,668	93	158,761
Foreign currency translation adjustments				(21,109)		(21,109)	243	(20,866)
Gain on cash flow hedge valuations				(12,125)		(12,125)		(12,125)
Comprehensive income, net of tax						125,434	336	125,770
Distributions paid to noncontrolling interests							(287)	(287)
Cash dividends of \$0.54 per common share					(29,674)	(29,674)		(29,674)
Stock-based compensation			17,618			17,618		17,618
Restricted & performance shares released	183	2	(6,895)			(6,893)		(6,893)
Stock options exercised	448	5	11,746			11,751		11,751
Shares issued for Employee Stock Purchase Plan	148	2	6,844			6,846		6,846
Stock repurchases	(1,563)	(16)	(99,984)			(100,000)		(100,000)
Cumulative effect of accounting changes					(2,767)	(2,767)		(2,767)

	Common Stock		Additional	Accumulated		Total	Non-Controlling	Total
	Shares	Amount	Paid-in	Other	Retained	Tetra Tech	Interests	Equity
			Capital	Comprehensive	Earnings	Equity		
				Income (Loss)				
BALANCE AT								
SEPTEMBER 29, 2019	54,565	546	78,132	(160,584)	1,071,192	989,286	178	989,464
Comprehensive income, net of tax:								
Net income					173,859	173,859	31	173,890
Foreign currency translation adjustments				3,436		3,436	(1)	3,435
Loss on cash flow hedge valuations				(4,638)		(4,638)		(4,638)
Comprehensive income, net of tax						172,657	30	172,687
Distributions paid to noncontrolling interests							(154)	(154)
Cash dividends of \$0.64 per common share					(34,743)	(34,743)		(34,743)
Stock-based compensation			19,424			19,424		19,424
Restricted & performance shares released	212	2	(11,168)			(11,166)		(11,166)
Stock options exercised	361	4	10,330			10,334		10,334
Shares issued for Employee Stock Purchase Plan	168	1	8,714			8,715		8,715
Stock repurchases	(1,509)	(15)	(105,432)		(11,741)	(117,188)		(117,188)
BALANCE AT								
SEPTEMBER 27, 2020	<u>53,797</u>	<u>\$ 538</u>	<u>\$ —</u>	<u>\$ (161,786)</u>	<u>\$ 1,198,567</u>	<u>\$ 1,037,319</u>	<u>\$ 54</u>	<u>\$ 1,037,373</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Notes to Consolidated Financial Statements

1. Description of Business

We are a leading global provider of consulting and engineering services that focuses on water, environment, sustainable infrastructure, resource management, energy, and international development. We are a global company that is *Leading with Science®* to provide innovative solutions for our public and private clients. We typically begin at the earliest stage of a project by identifying technical solutions and developing execution plans tailored to our clients' needs and resources. Our solutions may span the entire life cycle of consulting and engineering projects and include applied science, data analysis, research, engineering, design, construction management, and operations and maintenance.

We manage our business under two reportable segments. Our Government Services Group ("GSG") reportable segment primarily includes activities with U.S. government clients (federal, state and local) and all activities with development agencies worldwide. Our Commercial/International Services Group ("CIG") reportable segment primarily includes activities with U.S. commercial clients and international clients other than development agencies. This alignment allows us to capitalize on our growing market opportunities and enhance the development of high-end consulting and technical solutions to meet our growing client demand. We continue to report the results of the wind-down of our non-core construction activities in the Remediation and Construction Management ("RCM") reportable segment. Certain reclassifications were made to the prior years to conform to the current-year presentation.

2. Basis of Presentation and Preparation

Principles of Consolidation and Presentation. The consolidated financial statements include our accounts and those of joint ventures of which we are the primary beneficiary. All significant intercompany balances and transactions have been eliminated in consolidation.

Fiscal Year. We report results of operations based on 52 or 53-week periods ending on the Sunday nearest September 30. Fiscal years 2020, 2019 and 2018 each contained 52 weeks.

Use of Estimates. The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") requires us to make estimates and assumptions. These estimates and assumptions affect the amounts reported in our consolidated financial statements and accompanying notes. Although such estimates and assumptions are based on management's best knowledge of current events and actions we may take in the future, actual results could differ materially from those estimates.

Cash and Cash Equivalents. Cash and cash equivalents include highly liquid investments with original maturities of 90 days or less. We classify cash and cash equivalents as restricted when we are unable to freely use such cash and cash equivalents for our general operating purposes. Restricted cash balances are reported within our "Prepaid expenses and other current assets" on the consolidated balance sheets. Occasionally, we have book overdrafts which represent checks issued in excess of funds on deposit in our bank accounts that have not yet been paid by the applicable bank at the balance sheet date. Bank overdrafts occur when a bank honors disbursements in excess of funds on deposit in our bank accounts. We classify book and bank overdrafts as short-term borrowings on our consolidated balance sheets, and report the change in overdrafts as a financing activity in our consolidated statements of cash flows.

Insurance Matters, Litigation and Contingencies. In the normal course of business, we are subject to certain contractual guarantees and litigation. In addition, we maintain insurance coverage for various aspects of our business and operations. We record in our consolidated balance sheets amounts representing our estimated liability for these legal and insurance obligations. Any adjustments to these liabilities are recorded in our consolidated statements of income.

Accounts Receivable – Net. Net accounts receivable consists of billed and unbilled accounts receivable, and allowances for doubtful accounts. Billed accounts receivable represent amounts billed to clients that have not been collected. Unbilled accounts receivable, which represent an unconditional right to payment subject only to the passage of time, include unbilled amounts typically resulting from revenue recognized but not yet billed pursuant to contract terms or billed after the period end date. Most of our unbilled receivables at September 27, 2020 are expected to be billed and collected within 12 months. Unbilled accounts receivable also include amounts related to requests for equitable adjustment to contracts that provide for price redetermination. These amounts are recorded only when they can be reliably estimated and realization is probable. The allowance for doubtful accounts represents amounts that are expected to become uncollectible or unrealizable in the future. We determine an estimated allowance for uncollectible accounts based on management's consideration of trends in the actual and forecasted credit quality of our clients, including delinquency and payment history; type of client, such as a government agency or a commercial sector client; and general economic and industry conditions, including the potential impacts of the coronavirus disease 2019 ("COVID-19") pandemic, that may affect our clients' ability to pay.

Contract Assets and Contract Liabilities. Contract assets represent revenue recognized in excess of the amounts for which we have the contractual right to bill our customers. Contract retentions, included in contract assets, represent amounts withheld by clients until certain conditions are met or the project is completed, which may extend beyond one year. Contract liabilities represent the amount of cash collected from clients and billings to clients on contracts in advance of work performed and revenue recognized. The majority of these amounts are expected to be earned within 12 months and are classified as current liabilities.

Property and Equipment. Property and equipment are recorded at cost and depreciated over their estimated useful lives using the straight-line method. When property and equipment are retired or otherwise disposed of, the cost and accumulated depreciation are removed from our consolidated balance sheets and any resulting gain or loss is reflected in our consolidated statements of income. Expenditures for maintenance and repairs are expensed as incurred. Generally, estimated useful lives range from three to seven years for equipment, furniture and fixtures. Leasehold improvements are amortized on a straight-line basis over the shorter of their estimated useful lives or the lease term. Assets held for sale are measured at the lower of carrying amount (i.e., net book value) and fair value less cost to sell, and are reported within "Prepaid expenses and other current assets" on our consolidated balance sheets. Once assets are classified as held for sale, they are no longer depreciated.

Long-Lived Assets. Our policy is to evaluate the recoverability of our long-lived assets when the facts and circumstances suggest that the assets may be impaired. This assessment is performed based on the estimated undiscounted cash flows compared to the carrying value of the assets. If the future cash flows (undiscounted and without interest charges) are less than the carrying value, a write-down would be recorded to reduce the related asset to its estimated fair value.

Leases. We determine if an arrangement is a lease at inception. Operating leases are included in operating lease right-of-use ("ROU") assets, and current and long-term operating lease liabilities in the consolidated balance sheets. Our finance leases are reported in "Other long-term assets", "Other current liabilities", and "Other long-term liabilities" on our consolidated balance sheet.

ROU assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. Operating lease ROU assets and liabilities are recognized at commencement date based on the present value of lease payments over the lease term. As most of our leases do not provide an implicit rate, incremental borrowing rates are used based on the information available at commencement date in determining the present value of lease payments. The operating lease ROU asset also includes any lease payments made and excludes lease incentives. Lease terms may include options to extend or terminate the lease when it is reasonably certain that we will exercise that option. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term.

Our operating leases are primarily for corporate and project office spaces. To a much lesser extent, we have operating leases for vehicles and equipment. Our operating leases have remaining lease terms of one month to twelve years, some of which may include options to extend the leases for up to five years. We also have finance leases which are primarily related to IT equipment.

We recognize a liability for contract termination costs associated with an exit activity for costs that will continue to be incurred under a lease for its remaining term without economic benefit to us, initially measured at its fair value at the cease-use date. The fair value is determined based on the remaining lease rentals, adjusted for the effects of any prepaid or deferred items recognized under the lease, and reduced by estimated sublease rentals.

Business Combinations. The cost of an acquired company is assigned to the tangible and intangible assets purchased and the liabilities assumed based on their fair values at the date of acquisition. The determination of fair values of these assets and liabilities requires us to make estimates and use valuation techniques when a market value is not readily available. Any excess of purchase price over the fair value of net tangible and intangible assets acquired is allocated to goodwill. Goodwill typically represents the value paid for the assembled workforce and enhancement of our service offerings. Transaction costs associated with business combinations are expensed as incurred.

Goodwill and Intangible Assets. Goodwill represents the excess of the aggregate purchase price over the fair value of the net assets acquired in a business acquisition. Following an acquisition, we perform an analysis to value the acquired company's tangible and identifiable intangible assets and liabilities. With respect to identifiable intangible assets, we consider backlog, non-compete agreements, client relations, trade names, patents and other assets. We amortize our intangible assets based on the period over which the contractual or economic benefits of the intangible assets are expected to be realized. We assess the recoverability of the unamortized balance of our intangible assets when indicators of impairment are present based on expected future profitability and undiscounted expected cash flows and their contribution to our overall operations. Should the review indicate that the carrying value is not fully recoverable, the excess of the carrying value over the fair value of the intangible assets would be recognized as an impairment loss.

We test our goodwill for impairment on an annual basis, and more frequently when an event occurs, or circumstances indicate that the carrying value of the asset may not be recoverable. We believe the methodology that we use to review impairment of goodwill, which includes a significant amount of judgment and estimates, provides us with a reasonable basis to determine whether impairment has occurred. However, many of the factors employed in determining whether our goodwill is impaired are outside of our control and it is reasonably likely that assumptions and estimates will change in future periods. These changes could result in future impairments.

We perform our annual goodwill impairment review at the beginning of our fiscal fourth quarter. Our last annual review was performed at June 29, 2020 (i.e., the first day of our fiscal fourth quarter). In addition, we regularly evaluate whether events and circumstances have occurred that may indicate a potential change in recoverability of goodwill. We perform interim goodwill impairment reviews between our annual reviews if certain events and circumstances have occurred, including a deterioration in general economic conditions, an increased competitive environment, a change in management, key personnel, strategy or customers, negative or declining cash flows, or a decline in actual or planned revenue or earnings compared with actual and projected results of relevant prior periods. We assess goodwill for impairment at the reporting unit level, which is defined as an operating segment or one level below an operating segment, referred to as a component. Our operating segments are the same as our reportable segments and our reporting units for goodwill impairment testing are the components one level below our reportable segments. These components constitute a business for which discrete financial information is available and where segment management regularly reviews the operating results of that component. We aggregate components within an operating segment that have similar economic characteristics.

The impairment test for goodwill involves the comparison of the estimated fair value of each reporting unit to the reporting unit's carrying value, including goodwill. We estimate the fair value of reporting units based on a comparison and weighting of the income approach, specifically the discounted cash flow method and the market approach, which estimates the fair value of our reporting units based upon comparable market prices and recent transactions and also validates the reasonableness of the multiples from the income approach. The development of the present value of future cash flow projections includes assumptions and estimates derived from a review of our expected revenue growth rates, operating profit margins, discount rates, and the terminal growth rate. If the fair value of a reporting unit exceeds its carrying amount, the goodwill of that reporting unit is not considered impaired. However, if its carrying value exceeds its fair value, our goodwill is impaired, and we are required to record a non-cash charge that could have a material adverse effect on our consolidated financial statements. An impairment loss recognized, if any, should not exceed the total amount of goodwill allocated to the reporting unit.

Contingent Consideration. Most of our acquisition agreements include contingent earn-out arrangements, which are generally based on the achievement of future operating income thresholds. The contingent earn-out arrangements are based upon our valuations of the acquired companies and reduce the risk of overpaying for acquisitions if the projected financial results are not achieved.

The fair values of these earn-out arrangements are included as part of the purchase price of the acquired companies on their respective acquisition dates. For each transaction, we estimate the fair value of contingent earn-out payments as part of the initial purchase price and record the estimated fair value of contingent consideration as a liability in "Current contingent earn-out liabilities" and "Long-term contingent earn-out liabilities" on the consolidated balance sheets. We consider several factors when determining that contingent earn-out liabilities are part of the purchase price, including the following: (1) the valuation of our acquisitions is not supported solely by the initial consideration paid, and the contingent earn-out formula is a critical and material component of the valuation approach to determining the purchase price; and (2) the former owners of acquired companies that remain as key employees receive compensation other than contingent earn-out payments at a reasonable level compared with the compensation of our other key employees. The contingent earn-out payments are not affected by employment termination.

We measure our contingent earn-out liabilities at fair value on a recurring basis using significant unobservable inputs classified within Level 3 of the fair value hierarchy. We use a probability weighted discounted income approach as a valuation technique to convert future estimated cash flows to a single present value amount. The significant unobservable inputs used in the fair value measurements are operating income projections over the earn-out period (generally two or three years), and the probability outcome percentages we assign to each scenario. Significant increases or decreases to either of these inputs in isolation would result in a significantly higher or lower liability, with a higher liability capped by the contractual maximum of the contingent earn-out obligation. Ultimately, the liability will be equivalent to the amount paid, and the difference between the fair value estimate and amount paid will be recorded in earnings. The amount paid that is less than or equal to the contingent earn-out liability on the acquisition date is reflected as cash used in financing activities in our consolidated statements of cash flows. Any amount paid in excess of the contingent earn-out liability on the acquisition date is reflected as cash used in operating activities in our consolidated statements of cash flows.

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. Changes in the estimated fair value of our contingent earn-out liabilities

related to the time component of the present value calculation are reported in interest expense. Adjustments to the estimated fair value related to changes in all other unobservable inputs are reported in operating income.

Fair Value of Financial Instruments. We determine the fair values of our financial instruments, including short-term investments, debt instruments and derivative instruments based on inputs or assumptions that market participants would use in pricing an asset or a liability. We categorize our instruments using a valuation hierarchy for disclosure of the inputs used to measure fair value. This hierarchy prioritizes the inputs into three broad levels as follows: Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities; Level 2 inputs are quoted prices for similar assets and liabilities in active markets or inputs that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the financial instrument; and Level 3 inputs are unobservable inputs based on our own assumptions used to measure assets and liabilities at fair value. The classification of a financial asset or liability within the hierarchy is determined based on the lowest level input that is significant to the fair value measurement.

The carrying amounts of cash and cash equivalents, accounts receivable and accounts payable approximate fair values based on their short-term nature. The carrying amounts of our revolving credit facility approximates fair value because the interest rates are based upon variable reference rates. Certain other assets and liabilities, such as contingent earn-out liabilities and amounts related to cash-flow hedges, are required to be carried in our consolidated financial statements at fair value.

Our fair value measurement methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Although we believe our valuation methods are appropriate and consistent with those used by other market participants, the use of different methodologies or assumptions to determine fair value could result in a different fair value measurement at the reporting date.

Derivative Financial Instruments. We account for our derivative instruments as either assets or liabilities and carry them at fair value. For derivative instruments that hedge the exposure to variability in expected future cash flows that are designated as cash flow hedges, the effective portion of the gain or loss on the derivative instrument is reported as a component of accumulated other comprehensive income (loss) in stockholders' equity and reclassified into income in the same period or periods during which the hedged transaction affects earnings. The ineffective portion of the gain or loss on the derivative instrument, if any, is recognized in current income. To receive hedge accounting treatment, cash flow hedges must be highly effective in offsetting changes to expected future cash flows on hedged transactions.

The net gain or loss on the effective portion of a derivative instrument that is designated as an economic hedge of the foreign currency translation exposure generated by the re-measurement of certain assets and liabilities denominated in a non-functional currency in a foreign operation is reported in the same manner as a foreign currency translation adjustment. Accordingly, any gains or losses related to these derivative instruments are recognized in current income. Derivatives that do not qualify as hedges are adjusted to fair value through current income.

Deferred Compensation. We maintain a non-qualified defined contribution supplemental retirement plan for certain key employees and non-employee directors that is accounted for in accordance with applicable authoritative guidance on accounting for deferred compensation arrangements where amounts earned are held in a rabbi trust and invested. Employee deferrals are deposited into a rabbi trust, and the funds are generally invested in individual variable life insurance contracts that we own and are specifically designed to informally fund savings plans of this nature. Our consolidated balance sheets reflect our investment in variable life insurance contracts in "Other long-term assets." Our obligation to participating employees is reflected in "Other long-term liabilities." The net gains and losses related to the deferred compensation plan are reported as part of "Selling, general and administrative expenses" in our consolidated statements of income.

Income Taxes. We file a consolidated U.S. federal income tax return. In addition, we file other returns that are required in the states, foreign jurisdictions and other jurisdictions in which we do business. We account for certain income and expense items differently for financial reporting and income tax purposes. Deferred tax assets and liabilities are computed for the difference between the financial statement and tax bases of assets and liabilities that will result in taxable or deductible amounts in the future based on enacted tax laws and rates applicable to the periods in which the differences are expected to reverse. In determining the need for a valuation allowance, management reviews both positive and negative evidence, including current and historical results of operations, future income projections, scheduled reversals of deferred tax amounts, availability of carrybacks, and potential tax planning strategies. Based on our assessment, we have concluded that a portion of the deferred tax assets will not be realized.

According to the authoritative guidance on accounting for uncertainty in income taxes, we may recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position should be measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. This guidance also addresses de-recognition, classification, interest and penalties on income taxes, accounting in interim periods and disclosure requirements for uncertain tax positions.

Concentration of Credit Risk. Financial instruments that subject us to credit risk consist primarily of cash and cash equivalents and net accounts receivable. In the event that we have surplus cash, we place our temporary cash investments with lower risk financial institutions and, by policy, limit the amount of investment exposure to any one financial institution. Approximately 28% of accounts receivable were due from various agencies of the U.S. federal government at fiscal 2020 year-end. The remaining accounts receivable are generally diversified due to the large number of organizations comprising our client base and their geographic dispersion. We perform ongoing credit evaluations of our clients and maintain an allowance for potential credit losses. Approximately 48%, 22% and 30% of our fiscal 2020 revenue was generated from our U.S. government, U.S. commercial and international clients, respectively.

Foreign Currency Translation. We determine the functional currency of our foreign operating units based upon the primary currency in which they operate. These operating units maintain their accounting records in their local currency, primarily Canadian and Australian dollars, and British pounds. Where the functional currency is not the U.S. dollar, translation of assets and liabilities to U.S. dollars is based on exchange rates at the balance sheet date. Translation of revenue and expenses to U.S. dollars is based on the average rate during the period. Translation gains or losses are reported as a component of other comprehensive income (loss). Gains or losses from foreign currency transactions are included in income from operations.

Recently Issued Accounting Pronouncements Adopted in Fiscal 2020.

In February 2016, the Financial Accounting Standards Board ("FASB") issued ASU 2016-02 "Leases (Topic 842)", which is a new standard related to leases to increase transparency and comparability among organizations by requiring the recognition of ROU assets obtained in exchange for lease liabilities on the balance sheet. Most prominent among the changes in the standard is the recognition of ROU assets and lease liabilities by lessees for those leases classified as operating leases. Under the standard, disclosures are required to meet the objective of enabling users of financial statements to assess the amount, timing, and uncertainty of cash flows arising from leases. In the first quarter of fiscal 2020, we adopted the standard using the modified retrospective method. The standard was applied to leases that existed or were entered into on or after September 30, 2019. Our fiscal 2020 financial statements have been presented under this standard. However, the prior-year financial statements have not been adjusted and continue to be reported in accordance with previous guidance. See Note 10, "Leases" for further discussion of the adoption and the impact on our consolidated financial statements.

In August 2017, the FASB issued accounting guidance on hedging activities. The amendment better aligns an entity's risk management activities and financial reporting for hedging relationships through changes to both the designation and measurement guidance for qualifying hedging relationships and the presentation of hedge results. The guidance was effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2018 (first quarter of fiscal 2020 for us). The adoption of this guidance had no impact on our consolidated financial statements.

In February 2018, the FASB issued guidance on reclassification of certain tax effects from accumulated comprehensive income, which allows for a reclassification of stranded tax effects from the Tax Cuts and Jobs Act ("TCJA") from accumulated other comprehensive income to retained earnings. The guidance was effective for fiscal years beginning after December 15, 2018 (first quarter of fiscal 2020 for us). We did not reclassify our stranded effects from the TCJA, which were immaterial.

Recently Issued Accounting Pronouncements Not Yet Adopted.

In June 2016, the FASB issued updated guidance, Accounting Standards Update ("ASU") 2016-13, related to the measurement of credit losses for certain financial assets. This guidance replaces the current incurred loss methodology with an expected credit loss methodology. It requires us to recognize an allowance equal to our current estimate of all contractual cash flows that we do not expect to collect. Our estimate would consider relevant information about past events, current conditions, and reasonable and supportable forecasts impacting the collectability of the reported amounts. The guidance is effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2019 (first quarter of fiscal 2021 for us). In anticipation of our adoption of ASU 2016-13, we have updated our presentation of gross receivables and the allowance for doubtful accounts to reflect only expected credit losses in the allowance. We do not expect the adoption in the first quarter of fiscal 2021 to have a material impact on our consolidated financial statements.

In August 2018, the FASB issued updated guidance modifying certain fair value measurement disclosures. The guidance contains additional disclosures to enable users of the financial statements to better understand the entity's assumption used to develop significant unobservable inputs for Level 3 fair value measurements, but also eliminates the requirement for entities to disclose the amount of and reasons for transfers between Level 1 and Level 2 investments within the fair value hierarchy. This guidance is effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2019 (first quarter of fiscal 2021 for us). Early adoption is permitted. We do not expect the adoption of this guidance to have a significant impact on our consolidated financial statements.

In December 2019, the FASB issued guidance simplifying the accounting for income taxes by removing certain exceptions to general principles in Topic 740 and amending certain existing guidance for clarity. This guidance is effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2020 (first quarter of fiscal 2022 for us). Early adoption is permitted. We do not expect the adoption of this guidance to have an impact on our consolidated financial statements.

In May 2020, the Securities and Exchange Commission issued guidance amending certain financial disclosures about acquired and disposed businesses. The amendments are designed to assist registrants in making more meaningful determinations of whether a subsidiary or an acquired or disposed business is significant, and to improve the related disclosure requirements. The guidance is effective for fiscal years beginning after December 31, 2020 (first quarter of fiscal 2022 for us). We do not expect the adoption of this guidance to have an impact on our consolidated financial statements.

3. Revenue and Contract Balances

We recognize revenue over time as the related performance obligation is satisfied by transferring control of a promised good or service to our customers. Progress toward complete satisfaction of the performance obligation is primarily measured using a cost-to-cost measure of progress method. The cost input is based primarily on contract cost incurred to date compared to total estimated contract cost. This measure includes forecasts based on the best information available and reflects our judgement to faithfully depict the value of the services transferred to the customer. For certain on-call engineering or consulting and similar contracts, we recognize revenue in the amount which we have the right to invoice the customer if that amount corresponds directly with the value of our performance completed to date.

Due to uncertainties inherent in the estimation process, it is possible that estimates of costs to complete a performance obligation will be revised in the near-term. For those performance obligations for which revenue is recognized using a cost-to-cost measure of progress method, changes in total estimated costs, and related progress towards complete satisfaction of the performance obligation, are recognized on a cumulative catch-up basis in the period in which the revisions to the estimates are made. When the current estimate of total costs indicates a loss, a provision for the entire estimated loss on the contract is made in the period in which the loss becomes evident.

Disaggregation of Revenue

We disaggregate revenue by client sector and contract type, as we believe it best depicts how the nature, timing, and uncertainty of revenue and cash flows are affected by economic factors. The following tables present revenue disaggregated by client sector and contract type:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
(in thousands)			
Client Sector:			
U.S. state and local government	\$ 439,019	\$ 587,364	\$ 469,231
U.S. federal government ⁽¹⁾	993,835	941,102	974,384
U.S. commercial	674,605	719,314	788,398
International ⁽²⁾	887,432	859,568	732,135
Total	<u>\$ 2,994,891</u>	<u>\$ 3,107,348</u>	<u>\$ 2,964,148</u>
Contract Type:			
Fixed-price	\$ 1,078,432	\$ 1,048,157	\$ 986,910
Time-and-materials	1,391,592	1,509,901	1,395,148
Cost-plus	524,867	549,290	582,090
Total	<u>\$ 2,994,891</u>	<u>\$ 3,107,348</u>	<u>\$ 2,964,148</u>

⁽¹⁾ Includes revenue generated under U.S. federal government contracts performed outside the United States.

⁽²⁾ Includes revenue generated from foreign operations, primarily in Canada, Australia, the United Kingdom, and revenue generated from non-U.S. clients.

Other than the U.S. federal government, no single client accounted for more than 10% of our revenue for the twelve months ended months ended September 27, 2020 and September 29, 2019.

Contract Assets and Contract Liabilities

We invoice customers based on the contractual terms of each contract. However, the timing of revenue recognition may differ from the timing of invoice issuance.

Contract assets represent revenue recognized in excess of the amounts for which we have the contractual right to bill our customers. Such amounts are recoverable from customers based upon various measures of performance, including achievement of certain milestones or completion of a contract. In addition, many of our time and materials arrangements are billed in arrears pursuant to contract terms that are standard within the industry, resulting in contract assets and/or unbilled receivables being recorded, as revenue is recognized in advance of billings. Contract retentions, included in contract assets, represent amounts withheld by clients until certain conditions are met or the project is completed, which may extend beyond one year.

Contract liabilities consist of billings in excess of revenue recognized. Contract liabilities decrease as we recognize revenue from the satisfaction of the related performance obligation and increase as billings in advance of revenue recognition occur. Contract assets and liabilities are reported in a net position on a contract-by-contract basis at the end of each reporting period. There were no substantial non-current contract assets or liabilities for the periods presented. Net contract assets/liabilities consisted of the following:

	Balance at	
	September 27, 2020	September 29, 2019
	(in thousands)	
Contract assets ⁽¹⁾	\$ 92,632	114,324
Contract liabilities	171,905	165,611
Net contract liabilities	\$ (79,273)	\$ (51,287)

⁽¹⁾ Includes \$12.3 million and \$26.5 million of contract retentions as of September 27, 2020 and September 29, 2019, respectively.

In fiscal 2020, we recognized revenue of approximately \$118 million from amounts included in the contract liability balance at the end of fiscal 2019, compared to approximately \$90 million for the comparative prior-year period.

We recognize revenue primarily using the cost-to-cost measure of progress method, which involves the estimates of progress towards completion. Changes in those estimates could result in the recognition of cumulative catch-up adjustments to the contract's inception-to-date revenue, costs and profit in the period in which such changes are made. As a result, we recognized net favorable operating income adjustments of \$0.8 million for both fiscal 2020 and fiscal 2019, exclusive of the amounts related to claims described below. Changes in revenue and cost estimates could also result in a projected loss, determined at the contract level, which would be recorded immediately in earnings. As of September 27, 2020 and September 29, 2019, our consolidated balance sheets included liabilities for anticipated losses of \$13.2 million and \$11.5 million, respectively. The estimated cost to complete the related contracts as of September 27, 2020 was approximately \$118 million.

Accounts Receivable, Net

Net accounts receivable consisted of the following:

	Balance at	
	September 27, 2020	September 29, 2019
	(in thousands)	
Billed	\$ 402,818	\$ 496,985
Unbilled	253,364	282,297
Total accounts receivable	656,182	779,282
Allowance for doubtful accounts	(7,147)	(10,562)
Total accounts receivable, net	\$ 649,035	\$ 768,720

Billed accounts receivable represent amounts billed to clients that have not been collected. Unbilled accounts receivable, which represent an unconditional right to payment subject only to the passage of time, include unbilled amounts typically resulting from revenue recognized but not yet billed pursuant to contract terms or billed after the period end date. Most of our unbilled receivables at September 27, 2020 are expected to be billed and collected within 12 months. The allowance for

doubtful accounts represents amounts that are expected to become uncollectible or unrealizable in the future. We determine an estimated allowance for uncollectible accounts based on management's consideration of trends in the actual and forecasted credit quality of our clients, including delinquency and payment history; type of client, such as a government agency or a commercial sector client; and general economic and industry conditions, including the potential impacts of the COVID-19 pandemic, that may affect our clients' ability to pay.

Total accounts receivable at September 27, 2020 and September 29, 2019 included approximately \$14 million and \$15 million, respectively, related to claims, including requests for equitable adjustment, on contracts that provide for price redetermination. Claims are amounts in excess of agreed contract prices that we seek to collect from our clients or other third parties for delays, errors in specifications and designs, contract terminations, change orders in dispute or unapproved as to both scope and price, or other causes of unanticipated additional costs. Factors considered in determining whether revenue associated with claims (including change orders in dispute and unapproved change orders in regards to both scope and price) should be recognized include the following: (a) the contract or other evidence provides a legal basis for the claim, (b) additional costs were caused by circumstances that were unforeseen at the contract date and not the result of deficiencies in our performance, (c) claim-related costs are identifiable and considered reasonable in view of the work performed, and (d) evidence supporting the claim is objective and verifiable. This can lead to a situation in which costs are recognized in one period and revenue is recognized in a subsequent period when a client agreement is obtained, or a claims resolution occurs.

We regularly evaluate all unsettled claim amounts and record appropriate adjustments to operating earnings when it is probable that the claim will result in a different contract value than the amount previously estimated. In fiscal 2020, we recorded net losses in operating income related to claims of \$4.4 million in our CIG segment. In fiscal 2019, we recognized reductions of revenue of \$26.7 million and \$4.6 million, and related losses in operating income of \$28.2 million and \$5.7 million in our CIG and RCM segments, respectively, primarily due to the resolution of several claims in fiscal 2019 for amounts lower than we previously expected.

No single client accounted for more than 10% of our accounts receivable at September 27, 2020 and September 29, 2019.

Remaining Unsatisfied Performance Obligations ("RUPOs")

Our RUPOs represent a measure of the total dollar value of work to be performed on contracts awarded and in progress. We had \$3.2 billion of RUPOs as of September 27, 2020. RUPOs increase with awards from new contracts or additions on existing contracts and decrease as work is performed and revenue is recognized on existing contracts. RUPOs may also decrease when projects are canceled or modified in scope. We include a contract within our RUPOs when the contract is awarded and an agreement on contract terms has been reached.

We expect to satisfy our RUPOs as of September 27, 2020 over the following periods:

	Amount (in thousands)
Within 12 months	\$ 1,846,527
Beyond	1,372,446
Total	\$ 3,218,973

Although RUPOs reflect business that is considered to be firm, cancellations, deferrals or scope adjustments may occur. RUPOs are adjusted to reflect any known project cancellations, revisions to project scope and cost, foreign currency exchange fluctuations and project deferrals, as appropriate. Our operations and maintenance contracts can generally be terminated by the clients without a substantive financial penalty. Therefore, the remaining performance obligations on such contracts are limited to the notice period required for the termination (usually 30, 60, or 90 days).

4. Stock Repurchase and Dividends

On November 5, 2018, the Board of Directors authorized a stock repurchase program ("2019 Program") under which we could repurchase up to \$200 million of our common stock. This was in addition to the \$25 million remaining as of fiscal 2018 year-end under the previous stock repurchase program ("2018 Program"). On January 27, 2020, the Board of Directors authorized a new \$200 million stock repurchase program ("2020 Program"). As of September 27, 2020, we had a remaining balance of \$207.8 million available under the 2019 and 2020 programs. The following table summarizes stock repurchases in the open market and settled in fiscal 2019 and fiscal 2020:

Fiscal Year	Stock Repurchase Program	Shares Repurchased	Average Price Paid per Share	Total Cost (in thousands)
2019	2018 Program	430,559	\$ 58.06	\$ 25,000
2019	2019 Program	1,131,962	\$ 66.26	\$ 75,000
2019 Total		1,562,521	\$ 64.00	\$ 100,000
2020	2019 Program	1,508,747	\$ 77.67	\$ 117,188

The following table presents dividends declared and paid in fiscal 2020 and 2019:

Declare Date	Dividend Paid Per Share	Record Date	Payment Date	Dividends Paid (in thousands)
November 11, 2019	\$ 0.15	December 2, 2019	December 13, 2019	\$ 8,190
January 27, 2020	\$ 0.15	February 12, 2020	February 28, 2020	8,225
April 27, 2020	\$ 0.17	May 13, 2020	May 29, 2020	9,175
July 27, 2020	\$ 0.17	August 21, 2020	September 4, 2020	9,153
Total dividends paid as of September 27, 2020				<u>\$ 34,743</u>
November 5, 2018	\$ 0.12	November 30, 2018	December 14, 2018	\$ 6,654
January 28, 2019	\$ 0.12	February 13, 2019	February 28, 2019	6,616
April 29, 2019	\$ 0.15	May 15, 2019	May 31, 2019	8,219
July 29, 2019	\$ 0.15	August 14, 2019	August 30, 2019	8,185
Total dividends paid as of September 29, 2019				<u>\$ 29,674</u>

Subsequent Event. On November 9, 2020, the Board of Directors declared a quarterly cash dividend of \$0.17 per share payable on December 11, 2020 to stockholders of record as of the close of business on November 30, 2020.

5. Acquisitions and Divestitures

In fiscal 2018, we acquired Glumac, headquartered in Portland, Oregon. Glumac is a leader in sustainable infrastructure design with more than 300 employees and is part of our GSG segment. The fair value of the purchase price for Glumac was \$38.4 million. This amount is comprised of \$20.0 million of initial cash payments made to the sellers and \$18.4 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$20.0 million payable, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2018, we acquired Norman Disney & Young ("NDY"), a leader in sustainable infrastructure engineering design. NDY is an Australian-based global engineering design firm with more than 700 professionals operating in offices throughout Australia, the Asia-Pacific region, the United Kingdom, and Canada and is part of our CIG segment. The fair value of the purchase price for NDY was \$56.1 million. This amount is comprised of \$46.9 million of initial cash payments made to the sellers, \$1.6 million held in escrow, and \$7.6 million for the estimated fair value of contingent earn-out obligations, with a maximum amount of \$20.2 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2018, we divested our non-core utility field services operations in the CIG segment for net proceeds after transaction costs of \$30.2 million. This operation generated approximately \$70 million in annual revenue primarily from our U.S. commercial clients. We also divested non-core assets during the third quarter of fiscal 2018 resulting in a pre-tax loss of \$3.4 million, which is included in selling, general and administrative expenses for fiscal 2018.

In fiscal 2019, we acquired eGlobalTech ("EGT"), a high-end information technology solutions, cloud migration, cybersecurity, and management consulting firm based in Arlington, Virginia. EGT is part of our GSG segment. The fair value of the purchase price was \$49.1 million. This amount was comprised of a \$24.7 million promissory note issued to the sellers (which was subsequently paid in full in the third quarter of fiscal 2019), \$3.3 million of payables related to estimated post-closing adjustments for net assets acquired, and \$21.1 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$25.0 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2019, we acquired WYG plc ("WYG"), which employs approximately 1,600 staff primarily in the United Kingdom and Europe, delivering consulting and engineering solutions for complex projects across key service areas including planning, water and environment, transport, infrastructure, the built environment, architecture, urban design, surveying, asset

management, program management, and international development. WYG's United Kingdom based consulting and engineering business is part of our CIG segment, while its international development business is part of our GSG segment. The fair value of the purchase price was \$54.2 million, entirely paid in cash. In addition, we assumed net debt of \$11.5 million, which was subsequently paid in full in the fourth quarter of fiscal 2019. We also incurred \$10.4 million in acquisition and integration costs related to the WYG acquisition in the fourth quarter of fiscal 2019.

In fiscal 2020, we acquired Segue Technologies, Inc. ("SEG"), a leading information technology management consulting firm based in Arlington, Virginia. SEG is part of our GSG segment. The fair value of the purchase price was \$40.9 million. This amount was comprised of \$29.6 million in initial cash payments made to the sellers and \$11.3 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$20.0 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2020, we acquired BlueWater Federal Solutions, Inc. ("BWF"), a leading information technology management consulting firm based in Chantilly, Virginia. BWF is part of our GSG segment. The fair value of the purchase price was \$48.5 million. This amount was comprised of \$41.8 million in initial cash payments made to the sellers, \$1.5 million of payables related to estimated post-closing adjustments for net assets acquired, and \$5.2 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$8.0 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

Goodwill additions resulting from the above business combinations are primarily attributable to the existing workforce of the acquired companies and the synergies expected to arise after the acquisitions. The goodwill additions related to our fiscal 2019 acquisitions represent the value of a workforce with emerging technology and new techniques that incorporate artificial intelligence, data analytics and advanced cybersecurity solutions for government and commercial clients, and expanding our geographic presence in the United Kingdom with a strong platform for growth in the United Kingdom and Europe. The fiscal 2020 goodwill additions represent the value of a workforce with distinct expertise in the high-end information technology field, in the areas of data analytics, modeling and simulation, cloud, and agile software development. In addition, these acquired capabilities, when combined with our existing global consulting and engineering business, result in opportunities that allow us to provide services under contracts that could not have been pursued individually by either us or the acquired companies. The results of these acquisitions were included in our consolidated financial statements from their respective closing dates. These acquisitions were not considered material to our consolidated financial statements. As a result, no pro forma information has been provided.

Backlog, client relations and trade name intangible assets include the fair value of existing contracts and the underlying customer relationships with lives ranging from one to ten years, and trade names with lives ranging from three to five years.

Most of our acquisition agreements include contingent earn-out agreements, which are generally based on the achievement of future operating income thresholds. The contingent earn-out arrangements are based on our valuations of the acquired companies and reduce the risk of overpaying for acquisitions if the projected financial results are not achieved. The fair values of any earn-out arrangements are included as part of the purchase price of the acquired companies on their respective acquisition dates. For each transaction, we estimate the fair value of contingent earn-out payments as part of the initial purchase price and record the estimated fair value of contingent consideration as a liability in "Current contingent earn-out liabilities" and "Long-term contingent earn-out liabilities" on the consolidated balance sheets. We consider several factors when determining that contingent earn-out liabilities are part of the purchase price, including the following: (1) the valuation of our acquisitions is not supported solely by the initial consideration paid, and the contingent earn-out formula is a critical and material component of the valuation approach to determining the purchase price; and (2) the former owners of acquired companies that remain as key employees receive compensation other than contingent earn-out payments at a reasonable level compared with the compensation of our other key employees. The contingent earn-out payments are not affected by employment termination.

We measure our contingent earn-out liabilities at fair value on a recurring basis using significant unobservable inputs classified within Level 3 of the fair value hierarchy. We use a probability-weighted discounted income approach as a valuation technique to convert future estimated cash flows to a single present value amount. The significant unobservable inputs used in the fair value measurements are operating income projections over the earn-out period (generally two or three years), and the probability outcome percentages we assign to each scenario. Significant increases or decreases to either of these inputs in isolation would result in a significantly higher or lower liability, with a higher liability capped by the contractual maximum of the contingent earn-out obligation. Ultimately, the liability will be equivalent to the amount paid, and the difference between the fair value estimate and amount paid will be recorded in earnings. The amount paid that is less than or equal to the contingent earn-out liability on the acquisition date is reflected as cash used in financing activities in our consolidated statements of cash flows. Any amount paid in excess of the contingent earn-out liability on the acquisition date is reflected as cash used in operating activities in our consolidated statements of cash flows.

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. Changes in the estimated fair value of our contingent earn-out liabilities related to the time component of the present value calculation are reported in interest expense. Adjustments to the estimated fair value related to changes in all other unobservable inputs are reported in operating income. In each quarter during fiscal 2020, we evaluated our estimates for contingent consideration liabilities for the remaining earn-out periods for each individual acquisition, which included a review of their financial results to-date, the status of ongoing projects in their RUPOs, and the inventory of prospective new contract awards. In addition, we considered the potential impact of the global economic disruption due to the COVID-19 pandemic on our operating income projections over the various earn-out periods.

During fiscal 2020, we recorded adjustments to our contingent earn-out liabilities and reported related net gains in operating income of \$15.0 million, substantially all in the fourth quarter. These gains primarily resulted from updated valuations of the contingent consideration liabilities for NDY, EGT, and SEG.

The acquisition agreement for NDY included a contingent earn-out agreement based on the achievement of operating income thresholds (in Australian dollars) in each of the first three years beginning on the acquisition date, which was in the second quarter of fiscal 2018. The maximum earn-out obligation over the three-year earn-out period was A\$25 million (A\$7.4 million in year one, and A\$8.8 million each in years two and three). These amounts could be earned primarily on a pro-rata basis for operating income within a predetermined range in each year. NDY was required to meet a minimum operating income threshold in each year to earn any contingent consideration.

The determination of the fair value of the purchase price for NDY on the acquisition date included our estimate of the fair value of the related contingent earn-out obligation. The initial valuation was primarily based on probability-weighted internal estimates of NDY's operating income during each earn-out period. Based on these estimates, we calculated an initial fair value at the acquisition date of A\$9.4 million for NDY's contingent earn-out liability in the second quarter of fiscal 2018. In determining that NDY would earn 38% of the maximum potential earn-out, we considered several factors including NDY's recent historical revenue and operating income levels and growth rates. We also considered the recent trend in NDY's backlog level.

NDY's actual financial performance in the first two earn-out periods exceeded our original estimates at the acquisition date. As a result, we increased the related contingent consideration liability and recognized losses of \$2.1 million (A\$3.0 million) and \$5.4 million (A\$7.9 million) in fiscal 2018 and fiscal 2019, respectively. In the fourth quarter of fiscal 2020, we evaluated our estimate of NDY's contingent consideration liability for the third and final earn-out period. This assessment included a review of NDY's actual and forecasted results for the third earn-out period, which included an evaluation of the status of ongoing projects in NDY's backlog, and the inventory of prospective new contract awards and the impact of the COVID-19 pandemic on the Australian economy and NDY's operations. As a result of this assessment, we concluded that NDY's operating income in the third earn-out period would be lower than previously estimated, and we reduced NDY's contingent earn-out liability to \$1.8 million (A\$2.6 million), which resulted in a gain of \$3.7 million (A\$5.2 million).

The acquisition agreement for EGT included a contingent earn-out agreement based on the achievement of operating income thresholds in each of the first three years beginning on the acquisition date, which was in the second quarter of fiscal 2019. The maximum earn-out obligation over the three-year earn-out period was \$25 million (\$8.5 million in year one, \$9.0 million in year two, and \$7.5 million in year three). In each of the first two earn-out years, EGT was to receive a portion of the contingent consideration if EGT achieved a minimum operating income threshold. The remaining contingent consideration could be earned primarily on a pro-rata basis for operating income within a predetermined range in each year. EGT was required to meet a minimum operating income threshold in each year to earn any of this contingent consideration.

The determination of the fair value of the purchase price for EGT on the acquisition date included our estimate of the fair value of the related contingent earn-out obligation. The initial valuation was primarily based on probability-weighted internal estimates of EGT's operating income during each earn-out period. Based on these estimates, we calculated an initial fair value at the acquisition date of \$21.1 million for EGT's contingent earn-out liability in the second quarter of fiscal 2019. In determining that EGT would earn 84% of the maximum potential earn-out, we considered several factors including EGT's recent historical revenue and operating income levels and growth rates. We also considered the recent trend in EGT's backlog level and the prospects for the U.S. federal information technology market.

In the third quarter of fiscal 2020, EGT achieved and was paid the maximum earn-out obligation for the first earn-out period. Subsequently, we evaluated our estimate of EGT's contingent consideration liability for the second and third earn-out periods. This assessment included a review of EGT's actual and forecasted results for the second and third earn-out periods, which included an evaluation of the status of ongoing projects in EGT's backlog, and the inventory of prospective new contract awards. As a result of this assessment, we concluded that EGT's operating income in the second and third earn-out period would be lower than previously estimated. Accordingly, in the fourth quarter of fiscal 2020, we reduced EGT's contingent earn-out liability to \$7.5 million, which resulted in a gain of \$4.7 million.

The acquisition agreement for SEG included a contingent earn-out agreement based on the achievement of operating income thresholds in each of the first three years beginning on the acquisition date, which was in the second quarter of fiscal 2020. The maximum earn-out obligation over the three-year earn-out period was \$20 million (\$5.0 million, \$7.0 million and \$8.0 million for years one, two and three, respectively). SEG was to receive a portion of the contingent consideration if SEG achieved a minimum operating income threshold in each year of the earn-out period. The remaining contingent consideration could be earned primarily on a pro-rata basis for operating income within a predetermined range in each year. SEG was required to meet a minimum operating income threshold in each year to earn any of this contingent consideration.

The determination of the fair value of the purchase price for SEG on the acquisition date included our estimate of the fair value of the related contingent earn-out obligation. The initial valuation was primarily based on probability-weighted internal estimates of SEG's operating income during each earn-out period. Based on these estimates, we calculated an initial fair value at the acquisition date of \$11.3 million for SEG's contingent earn-out liability in the second quarter of fiscal 2020. In determining that SEG would earn 57% of the maximum potential earn-out, we considered several factors including SEG's recent historical revenue and operating income levels and growth rates. We also considered the recent trend in SEG's backlog level and the prospects for the U.S. federal information technology market.

SEG's actual financial performance in the first earn-out period on a year to date basis was below our original expectation at the acquisition date. As a result, in the fourth quarter of fiscal 2020, we evaluated our estimate of SEG's contingent consideration liability for all earn-out periods. This assessment included a review of SEG's financial results in the first earn-out period, the status of ongoing projects in SEG's backlog, the inventory of prospective new contract awards, and future synergies with other Tetra Tech operating units. As a result of this assessment, we concluded that SEG's operating income in all earn-out periods would be lower than originally anticipated. Accordingly, in the fourth quarter of fiscal 2020, we reduced the SEG contingent earn-out liability to \$8.1 million, which resulted in a gain of \$3.4 million.

In fiscal 2019, we recorded adjustments to our contingent earn-out liabilities and reported a related net loss of \$1.1 million in operating income. These adjustments resulted from the updated valuations of the contingent consideration liabilities, which reflect updated projections of acquired companies' financial performance during their respective earn-out periods.

In fiscal 2018, we recorded adjustments to our contingent earn-out liabilities and reported related losses in operating income of \$4.3 million. These losses resulted from updated valuations of the contingent consideration liabilities for NDY, Eco Logical Australia and Cornerstone Environmental Group, as the actual and expected financial performance during the earn-out periods exceeded our original estimates at the acquisition dates.

At September 27, 2020, there was a total potential maximum of \$70.9 million of outstanding contingent consideration related to acquisitions. Of this amount, \$32.6 million was estimated as the fair value and accrued on our consolidated balance sheet. If the global economic disruption due to the COVID-19 pandemic is prolonged, we could have more significant reductions in our contingent earn-out liabilities and related gains in operating income in future periods.

The following table summarizes the changes in the carrying value of estimated contingent earn-out liabilities:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Beginning balance	\$ 52,992	\$ 35,290	\$ 2,438
Acquisition date fair value of contingent earn-out liabilities	16,581	27,704	32,210
Change in fair value of contingent earn-out liabilities	1,162	1,489	1,005
Re-measurement of contingent earn-out liabilities	(14,971)	1,085	4,252
Foreign exchange impact	(247)	(558)	(854)
Earn-out payments:			
Reported as cash used in operating activities	—	—	(2,349)
Reported as cash used in financing activities	(22,900)	(12,018)	(1,412)
Ending balance	<u>\$ 32,617</u>	<u>\$ 52,992</u>	<u>\$ 35,290</u>

6. Goodwill and Intangible Assets

The following table summarizes the changes in the carrying value of goodwill:

	GSG	CIG	Total
	(in thousands)		
Balance at September 30, 2018	\$ 389,741	\$ 409,079	\$ 798,820
Acquisitions	53,098	93,601	146,699
Impairment	—	(7,755)	(7,755)
Translation and other	(1,037)	(11,907)	(12,944)
Balance at September 29, 2019	441,802	483,018	924,820
Acquisitions	74,882	5,294	80,176
Impairment	—	(15,800)	(15,800)
Translation and other	(369)	4,671	4,302
Balance at September 27, 2020	\$ 516,315	\$ 477,183	\$ 993,498

The goodwill additions related to our fiscal 2020 acquisitions of SEG and BWF and adjustments of the final valuations for our fiscal 2019 acquisitions. The purchase price allocations for the SEG and BWF acquisitions are preliminary and subject to adjustment based upon the final determinations of the net assets acquired and information to perform the final valuations. Our goodwill was also impacted by foreign currency translation related to the goodwill balances of our foreign subsidiaries with functional currencies that are different than our reporting currency.

We perform our annual goodwill impairment review at the beginning of our fiscal fourth quarter. Our last review at June 29, 2020 (i.e. the first day of our fourth quarter in fiscal 2020), indicated that we had no impairment of goodwill, and all of our reporting units had estimated fair values that were in excess of their carrying values, including goodwill. All of our reporting units had estimated fair values that exceeded their carrying values by more than 80%, with the exception of our Asia/Pacific ("ASP") reporting unit, which is in our CIG reportable segment. Our ASP reporting unit had an estimated fair value that exceeded its carrying value by less than 20%.

We also regularly evaluate whether events and circumstances have occurred that may indicate a potential change in the recoverability of goodwill. We perform interim goodwill impairment reviews between our annual reviews if certain events and circumstances have occurred, such as a deterioration in general economic conditions; an increase in the competitive environment; a change in management, key personnel, strategy or customers; negative or declining cash flows; or a decline in actual or planned revenue or earnings compared with actual and projected results of relevant prior periods. Although we believe that our estimates of fair value for these reporting units are reasonable, if financial performance for these reporting units falls significantly below our expectations or market prices for similar business decline, the goodwill for these reporting units could become impaired.

On September 2, 2020, Australia announced that it had fallen into economic recession, defined as two consecutive quarters of negative growth, for the first time since 1991 including 7% negative growth in the quarter ending in June 2020. This prompted a strategic review of our ASP reporting unit. As a result of the economic recession in Australia, our revenue growth and profit margin forecasts for the ASP reporting unit declined from the previous forecast used for our annual goodwill impairment review as of June 29, 2020. We also performed an interim goodwill impairment review of our ASP reporting unit in September 2020 and recorded a \$15.8 million goodwill impairment charge. The impaired goodwill related to our acquisitions of Coffey and NDY. As a result of the impairment charge, the estimated fair value of our ASP reporting unit equaled its carrying value of \$144.9 million, including \$95.5 million of goodwill, at September 27, 2020.

During the fourth quarter of fiscal 2019, we performed an interim goodwill impairment review of our RFS reporting unit and recorded a \$7.8 million goodwill impairment charge. As a result of the impairment charge, the estimated fair value of the RFS reporting unit equaled its carrying value of \$61 million at September 29, 2019, including the remaining \$48.8 million of goodwill.

The gross amounts of goodwill for GSG were \$534.0 million and \$459.5 million at fiscal 2020 and 2019 year-ends, respectively, excluding accumulated impairment of \$17.7 million for each period. The gross amounts of goodwill for CIG were \$598.7 million and \$588.7 million at fiscal 2020 and 2019 year-ends, respectively, excluding accumulated impairment of \$121.5 million and \$105.7 million, respectively.

The following table presents the gross amount and accumulated amortization of our acquired identifiable intangible assets with finite useful lives included in "Intangible assets, net" on the consolidated balance sheets:

	Fiscal Year Ended				
	September 27, 2020			September 29, 2019	
	Weighted-Average Remaining Life (in years)	Gross Amount	Accumulated Amortization	Gross Amount	Accumulated Amortization
(\$ in thousands)					
Client relations	2.9	\$ 60,775	\$ (53,392)	\$ 56,779	\$ (50,455)
Backlog	0.7	37,682	(32,761)	32,229	(24,968)
Technology and trade names	1.8	7,964	(6,325)	7,714	(4,859)
Total		\$ 106,421	\$ (92,478)	\$ 96,722	\$ (80,282)

Foreign currency translation adjustments reduced net identifiable intangible assets by \$0.4 million and \$0.3 million in fiscal 2020 and 2019, respectively. Amortization expense for the identifiable intangible assets for fiscal 2020, 2019 and 2018 was \$11.6 million, \$11.6 million and \$18.2 million, respectively.

Estimated amortization expense for the succeeding four fiscal years is as follows:

	Amount (in thousands)
2021	\$ 8,786
2022	2,652
2023	1,915
2024	590
Total	<u>\$ 13,943</u>

7. Property and Equipment

Property and equipment consisted of the following:

	Fiscal Year Ended	
	September 27, 2020	September 29, 2019
	(in thousands)	
Equipment, furniture and fixtures	\$ 90,942	\$ 114,652
Leasehold improvements	34,382	34,881
Land and buildings	187	371
Total property and equipment	125,511	149,904
Accumulated depreciation	(90,004)	(110,463)
Property and equipment, net	<u>\$ 35,507</u>	<u>\$ 39,441</u>

The depreciation expense related to property and equipment was \$13.0 million, \$17.3 million and \$19.6 million for fiscal 2020, 2019 and 2018, respectively. As of September 29, 2019, we classified \$5.4 million of net assets related to the disposal of our Canadian turn-key pipeline activities as held-for-sale, and reported them as "Prepaid expenses and other current assets" on our consolidated balance sheet. These assets were sold during fiscal 2020 resulting in a net gain of \$8.5 million, which is reported in "Other costs of revenue" on the consolidated statement of income.

8. Income Taxes

Income before income taxes, by geographic area, was as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Income before income taxes:			
United States	\$ 209,443	\$ 185,535	\$ 180,034
Foreign	18,548	(10,399)	(5,472)
Total income before income taxes	<u>\$ 227,991</u>	<u>\$ 175,136</u>	<u>\$ 174,562</u>

Income tax expense consisted of the following:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Current:			
Federal	\$ 24,102	\$ 30,051	\$ 46,840
State	6,872	8,923	9,228
Foreign	20,398	15,016	10,897
Total current income tax expense	<u>51,372</u>	<u>53,990</u>	<u>66,965</u>
Deferred:			
Federal	2,187	(9,108)	(22,072)
State	870	(1,195)	(1,471)
Foreign	(328)	(27,312)	(5,817)
Total deferred income tax expense	<u>2,729</u>	<u>(37,615)</u>	<u>(29,360)</u>
Total income tax expense	<u>\$ 54,101</u>	<u>\$ 16,375</u>	<u>\$ 37,605</u>

Total income tax expense was different from the amount computed by applying the U.S. federal statutory rate to pre-tax income as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Tax at federal statutory rate	21.0%	21.0%	24.5%
State taxes, net of federal benefit	2.7	3.4	4.2
Research and Development ("R&D") credits	(2.2)	(4.7)	(1.4)
Domestic production deduction	—	—	(0.2)
Tax differential on foreign earnings	0.7	1.0	0.5
Non-taxable foreign interest income	(1.1)	(1.7)	(2.0)
Goodwill	1.5	0.9	1.7
Stock compensation	(2.2)	(2.4)	(2.7)
Valuation allowance	1.6	(13.5)	(0.5)
Change in uncertain tax positions	0.4	2.4	1.9
Revaluation of deferred taxes	—	(1.4)	(8.4)
Deferred tax adjustments	(1.3)	(0.4)	2.1
Transition tax on foreign earnings	—	1.4	—
Other	2.6	3.3	1.8
Total income tax expense	<u>23.7%</u>	<u>9.3%</u>	<u>21.5%</u>

The effective tax rates for fiscal 2020, 2019 and 2018 were 23.7%, 9.3% and 21.5%, respectively. The goodwill impairment charges in fiscal 2020 and fiscal 2019 and certain of the transaction charges in fiscal 2019 did not have related tax benefits. Income tax expense was reduced by \$8.3 million, \$6.4 million, \$5.1 million of excess tax benefits on share-based payments in fiscal 2020, 2019, and 2018, respectively. Additionally, we analyzed our deferred tax liabilities for the Tax Cuts and Jobs Act's ("TCJA's") lower tax rates and recorded a deferred tax benefit of \$2.6 million and \$10.1 million in fiscal 2019 and fiscal 2018, respectively. Also, valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence obtained during the second quarter of fiscal 2019. The valuation allowances were primarily related to net operating loss and research and development credit carryforwards and other temporary differences. We evaluated the positive evidence against any negative evidence and determined that it was more likely than not that the deferred tax assets would be realized. The factors used to assess the likelihood of realization were the past performance of the related entities, our forecast of future taxable income, and available tax planning strategies that could be implemented to realize the deferred tax assets.

Excluding the impact of the non-deductible goodwill impairment charges and transaction costs, the excess tax benefits on share-based payments, the net deferred tax benefits from the TCJA, and the valuation allowance release, our effective tax rates in fiscal 2020, 2019, and 2018 were 25.6%, 24.6%, and 30.3% respectively.

We are currently under examination by the Internal Revenue Service for fiscal year 2018, the Canada Revenue Agency for fiscal years 2011 through 2016, and the California Franchise Tax Board for fiscal years 2014 through 2016. We are also subject to various other state audits.

Temporary differences comprising the net deferred income tax asset shown on the accompanying consolidated balance sheets were as follows:

	Fiscal Year Ended	
	September 27, 2020	September 29, 2019
	(in thousands)	
Deferred Tax Assets:		
State taxes	\$ 1,146	\$ 764
Reserves and contingent liabilities	6,262	5,500
Allowance for doubtful accounts	6,283	7,506
Accrued liabilities	28,223	28,232
Lease liabilities, operating leases	66,941	—
Stock-based compensation	5,905	6,700
Loss carry-forwards	43,475	39,782
Valuation allowance	(24,395)	(20,543)
Total deferred tax assets	133,840	67,941
Deferred Tax Liabilities:		
Unbilled revenue	(14,451)	(21,886)
Prepaid expense	(5,967)	(3,026)
Right-of-use assets, operating leases	(66,941)	—
Intangibles	(29,130)	(26,482)
Property and equipment	(1,615)	(1,133)
Total deferred tax liabilities	(118,104)	(52,527)
Net deferred tax assets	\$ 15,736	\$ 15,414

At September 27, 2020, undistributed earnings of our foreign subsidiaries, primarily in Canada, amounting to approximately \$66.9 million are expected to be permanently reinvested. Accordingly, no provision for foreign withholding taxes has been made. Upon distribution of those earnings, we would be subject to foreign withholding taxes. Assuming the permanently reinvested foreign earnings were repatriated under the laws and rates applicable at September 27, 2020, the incremental foreign withholding taxes applicable to those earnings would be approximately \$2.0 million.

At September 27, 2020, we had available unused state net operating loss ("NOL") carry forwards of \$43.7 million that expire at various dates from 2024 to 2037; and available foreign NOL carry forwards of \$138.4 million, of which \$31.6 million expire at various dates from 2024 to 2040, and \$106.8 million have no expiration date. In addition, we had foreign capital loss

carryforwards of \$13.8 million and foreign research and development credits of \$4.3 million that do not have expiration dates. We have performed an assessment of positive and negative evidence regarding the realization of the deferred tax assets. This assessment included the evaluation of scheduled reversals of deferred tax liabilities, availability of carrybacks, cumulative losses in recent years, estimates of projected future taxable income, and tax planning strategies. Although realization is not assured, based on our assessment, we have concluded that it is more likely than not that the assets will be realized except for the assets related to the loss carry-forwards and certain foreign intangibles for which a valuation allowance of \$24.4 million has been provided.

At September 27, 2020, we had \$9.2 million of unrecognized tax benefits, all of which, if recognized, would affect our effective tax rate. It is reasonably possible that the amount of the unrecognized tax benefits with respect to certain of our unrecognized tax positions may significantly decrease in the next 12 months. These changes would be the result of ongoing examinations. A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Beginning balance	\$ 9,169	\$ 8,328	\$ 9,337
Additions for current year tax positions	700	1,342	1,928
Additions for prior year tax positions	—	356	1,116
Reductions for prior year tax positions	(641)	(100)	—
Settlements	—	(757)	(4,053)
Ending balance	<u>\$ 9,228</u>	<u>\$ 9,169</u>	<u>\$ 8,328</u>

We recognize potential interest and penalties related to unrecognized tax benefits in income tax expense. During fiscal years 2020, 2019 and 2018, we accrued additional interest and penalties of \$0.8 million, \$2.6 million and \$0.6 million, respectively, and recorded reductions in accrued interest and penalties of \$0, \$0.2 million and \$0.3 million, respectively, as a result of audit settlements and other prior-year adjustments. The amount of interest and penalties accrued at September 27, 2020, September 29, 2019 and September 30, 2018 was \$4.4 million, \$3.6 million and \$1.2 million, respectively.

9. Long-Term Debt

Long-term debt consisted of the following:

	Fiscal Year Ended	
	September 27, 2020	September 29, 2019
	(in thousands)	
Credit facilities	\$ 291,659	\$ 276,434
Less: Current portion of long-term debt and other short-term borrowings	(49,264)	(12,500)
Long-term debt, less current portion and other short-term borrowings	<u>\$ 242,395</u>	<u>\$ 263,934</u>

On July 30, 2018, we entered into a Second Amended and Restated Credit Agreement (“Amended Credit Agreement”) with a total borrowing capacity of \$1 billion that will mature in July 2023. The Amended Credit Agreement is a \$700 million senior secured, five-year facility that provides for a \$250 million term loan facility (the “Amended Term Loan Facility”), a \$450 million revolving credit facility (the “Amended Revolving Credit Facility”), and a \$300 million accordion feature that allows us to increase the Amended Credit Agreement to \$1 billion subject to lender approval. The Amended Credit Agreement allows us to, among other things, (i) refinance indebtedness under our Credit Agreement dated as of May 7, 2013; (ii) finance certain permitted open market repurchases of our common stock, permitted acquisitions, and cash dividends and distributions; and (iii) utilize the proceeds for working capital, capital expenditures and other general corporate purposes. The Amended Revolving Credit Facility includes a \$100 million sublimit for the issuance of standby letters of credit, a \$20 million sublimit for swingline loans, and a \$200 million sublimit for multicurrency borrowings and letters of credit.

The entire Amended Term Loan Facility was drawn on July 30, 2018. The Amended Term Loan Facility is subject to quarterly amortization of principal at 5% annually beginning December 31, 2018. We may borrow on the Amended Revolving Credit Facility, at our option, at either (a) a Eurocurrency rate plus a margin that ranges from 1.00% to 1.75% per annum, or (b) a base rate for loans in U.S. dollars (the highest of the U.S. federal funds rate plus 0.50% per annum, the bank’s prime rate or

the Eurocurrency rate plus 1.00%) plus a margin that ranges from 0% to 0.75% per annum. In each case, the applicable margin is based on our Consolidated Leverage Ratio, calculated quarterly. The Amended Term Loan Facility is subject to the same interest rate provisions. The Amended Credit Agreement expires on July 30, 2023, or earlier at our discretion upon payment in full of loans and other obligations.

At September 27, 2020, we had \$254.9 million in outstanding borrowings under the Amended Credit Agreement, which was comprised of \$228.1 million under the Amended Term Loan Facility and \$26.8 million outstanding under the Amended Revolving Credit Facility at a year-to-date weighted-average interest rate of 2.31% per annum. In addition, we had \$0.7 million in standby letters of credit under the Amended Credit Agreement. Our average effective weighted-average interest rate on borrowings outstanding during the year-to-date period ended September 27, 2020 under the Amended Credit Agreement, including the effects of interest rate swap agreements described in Note 14, "Derivative Financial Instruments", was 3.52%. At September 27, 2020, we had \$422.4 million of available credit under the Amended Revolving Credit Facility, all of which could be borrowed without a violation of our debt covenants.

The Amended Credit Agreement contains certain affirmative and restrictive covenants, and customary events of default. The financial covenants provide for a maximum Consolidated Leverage Ratio of 3.00 to 1.00 (total funded debt/EBITDA, as defined in the Amended Credit Agreement) and a minimum Consolidated Interest Coverage Ratio of 3.00 to 1.00 (EBITDA/Consolidated Interest Charges, as defined in the Amended Credit Agreement). Our obligations under the Amended Credit Agreement are guaranteed by certain of our domestic subsidiaries and are secured by first priority liens on (i) the equity interests of certain of our subsidiaries, including those subsidiaries that are guarantors or borrowers under the Amended Credit Agreement, and (ii) the accounts receivable, general intangibles and intercompany loans, and those of our subsidiaries that are guarantors or borrowers. At September 27, 2020, we were in compliance with these covenants with a consolidated leverage ratio of 1.10x and a consolidated interest coverage ratio of 19.76x.

In addition to the Amended Credit Agreement, we maintain other credit facilities, which may be used for bank overdrafts, short-term cash advances and bank guarantees. At September 27, 2020, there was \$36.6 million outstanding under these facilities and the aggregate amount of standby letters of credit outstanding was \$69.7 million. As of September 27, 2020, we had bank overdrafts of \$33.6 million related to our U.S. disbursement bank accounts. This balance is reported in the "Current portion of long-term debt and other short-term borrowings" within our fiscal 2020 year-end consolidated balance sheet. The change in bank overdraft balance is classified as cash flows from financing activities within our consolidated statements of cash flows as we believe these overdrafts to be a form of short-term financing from the bank due to our ability to fund the overdraft with the \$50.0 million overdraft protection on the bank accounts or our other credit facilities if needed.

The following table presents scheduled maturities of our long-term debt:

	Amount (in thousands)
2021	49,264
2022	15,625
2023	226,770
Total	<u>\$ 291,659</u>

10. Leases

In February 2016, the FASB issued Leases (Topic 842), which is a new standard related to leases to increase transparency and comparability among organizations by requiring the recognition of ROU assets obtained in exchange for lease liabilities on the balance sheet. Most prominent among the changes in the standard is the recognition of ROU assets and lease liabilities by lessees for those leases classified as operating leases. Under the standard, disclosures are required to meet the objective of enabling users of financial statements to assess the amount, timing, and uncertainty of cash flows arising from leases.

We elected to adopt the standard, and available practical expedients, effective September 30, 2019 (the first day of our fiscal 2020). These practical expedients allowed us to keep the lease classification assessed under the previous lease accounting standard (ASC 840) without reassessment under the new standard, and allowed all separate lease components, including non-lease components, to be accounted for as a single lease component for all existing leases prior to adoption of the new standard.

We adopted this new standard under the modified retrospective transition approach without adjusting comparative periods in the financial statements, as allowed under Leases (Topic 842), and implemented internal controls and key system functionality to enable the preparation of financial information on adoption. The standard had a material impact on our consolidated balance sheets but did not have an impact on the consolidated income statements. The most significant impact was

the recognition of ROU assets and lease liabilities for operating leases, while accounting for finance leases remained substantially unchanged. Our finance leases are primarily for certain IT equipment and the related ROU and lease liabilities were immaterial, and included in "Other current liabilities" and "Other long-term liabilities" accordingly in the consolidated balance sheet at September 27, 2020 .

We determine if an arrangement is a lease at inception. Operating leases are included in operating lease ROU assets and current and long-term operating lease liabilities in the consolidated balance sheets.

ROU assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. Operating lease ROU assets and liabilities are recognized at commencement date based on the present value of lease payments over the lease term. As most of our leases do not provide an implicit rate, incremental borrowing rates are used based on the information available at commencement date in determining the present value of lease payments. The operating lease ROU asset also includes any lease payments made and excludes lease incentives. Lease terms may include options to extend or terminate the lease when it is reasonably certain that we will exercise that option. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term.

Our operating leases are primarily for corporate and project office spaces. To a much lesser extent, we have operating leases for vehicles and equipment. Our operating leases have remaining lease terms of one month to twelve years, some of which may include options to extend the leases for up to five years.

The components of lease costs for the fiscal year ended September 27, 2020 are as follows:

	Fiscal Year Ended
	(in thousands)
Operating lease cost	\$ 87,348
Sublease income	(2,216)
Other	72
Total lease cost	<u>\$ 85,204</u>

Supplemental cash flow information related to leases for fiscal 2020 is as follows:

	Amount
	(in thousands)
Operating cash flows for operating leases	\$ 80,289
Right-of-use assets obtained in exchange for new operating lease liabilities	\$ 317,587

Supplemental balance sheet and other information related to leases as of September 27, 2020 are as follows:

	Amount
	(in thousands)
Operating leases:	
Right-of-use assets	\$ 239,396
Lease liabilities:	
Current	\$ 69,650
Long-term	191,955
Total operating lease liabilities	<u>\$ 261,605</u>
Weighted-average remaining lease term:	
Operating leases	5 years
Weighted-average discount rate:	
Operating leases	2.5 %

As of September 27, 2020, we have no material additional operating leases that have not yet commenced.

A maturity analysis of the future undiscounted cash flows associated with our operating lease liabilities as of September 27, 2020 is as follows:

	Amount
	(in thousands)
2021	\$ 75,074
2022	64,972
2023	44,733
2024	30,991
2025	21,466
Beyond	44,169
Total lease payments	281,405
Less: imputed interest	(19,800)
Total present value of lease liabilities	\$ 261,605

As of September 29, 2019, \$343.5 million of minimum rental commitments on operating leases was payable as follows: \$108.8 million in fiscal 2020, \$66.4 million in fiscal 2021, \$51.4 million in fiscal 2022, \$36.5 million in fiscal 2023, \$25.8 million in fiscal 2024, and \$54.6 million thereafter. Rental expense for fiscal 2019 was \$79.3 million.

11. Stockholders' Equity and Stock Compensation Plans

At September 27, 2020, we had the following stock-based compensation plans:

- *Employee Stock Purchase Plan ("ESPP")*. Purchase rights to purchase common stock are granted to our eligible full and part-time employees, and shares of common stock are issued upon exercise of the purchase rights. An aggregate of 611,265 shares may be issued pursuant to such exercise. The maximum amount that an employee can contribute during a purchase right period is \$5,000. The exercise price of a purchase right is the lesser of 100% of the fair market value of a share of common stock on the first day of the purchase right period (the business day preceding January 1) or 85% of the fair market value on the last day of the purchase right period (December 15, or the business day preceding December 15 if December 15 is not a business day).
- *2005 Equity Incentive Plan*. Key employees and non-employee directors may be granted equity awards, including stock options, restricted stock and restricted stock units ("RSUs"). Options granted before March 6, 2006 vested at 25% on the first anniversary of the grant date, and the balance vests monthly thereafter, such that these options become fully vested no later than four years from the date of grant. These options expire no later than ten years from the date of grant. Options granted on and after March 6, 2006 vest at 25% on each anniversary of the grant date. These options expire no later than eight years from the grant date. RSUs granted to date vest at 25% on each anniversary of the grant date.
- *2015 Equity Incentive Plan ("2015 EIP")*. Key employees and non-employee directors may be granted equity awards, including stock options, performance share units ("PSUs") and RSUs. Shares issued with respect to awards granted under the 2015 EIP other than stock options or stock appreciation rights, which are referred to as "full value awards", are counted against the 2015 EIP's aggregate share limit as three shares for every share or unit actually issued. No awards have been made under the 2015 Equity Incentive Plan since the adoption of the 2018 Equity Incentive Plan on March 8, 2018 described below.
- *2018 Equity Incentive Plan ("2018 EIP")*. Key employees and non-employee directors may be granted equity awards, including stock options, PSUs and RSUs. Shares issued with respect to awards granted under the 2018 EIP other than stock options or stock appreciation rights, which are referred to as "full value awards", are counted against the 2018 EIP's aggregate share limit as one share for every share or unit issued. At September 27, 2020, there were 2.5 million shares available for future awards pursuant to the 2018 EIP.

The following table presents our stock-based compensation and related income tax benefits:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Total stock-based compensation	\$ 19,424	\$ 17,618	\$ 19,582
Income tax benefit related to stock-based compensation	(4,318)	(4,016)	(5,288)
Stock-based compensation, net of tax benefit	<u>\$ 15,106</u>	<u>\$ 13,602</u>	<u>\$ 14,294</u>

Stock Options

The following table presents our stock option activity for fiscal year ended September 27, 2020:

	Number of Options (in thousands)	Weighted- Average Exercise Price per Share	Weighted- Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value (in thousands)
Outstanding on September 29, 2019	894	\$ 33.28		
Exercised	(355)	28.63		
Forfeited	—	—		
Outstanding at September 27, 2020	<u>539</u>	36.34	5.04	\$ 29,623
Vested or expected to vest at September 27, 2020	539	36.34	5.04	29,623
Exercisable on September 27, 2020	437	34.17	4.62	24,932

The aggregate intrinsic value in the table above represents the total intrinsic value (the difference between our closing stock price on the last trading day of fiscal 2020 and the exercise price, times the number of shares) that would have been received by the in-the-money option holders if they had exercised their options on September 27, 2020. This amount will change based on the fair market value of our stock. At September 27, 2020, we expect to recognize \$0.7 million of unrecognized compensation cost related to stock option grants over a weighted-average period of one year.

No stock options were granted in fiscal 2019 and fiscal 2020. The weighted-average fair value of stock options granted during fiscal 2018 was \$14.82. The aggregate intrinsic value of options exercised during fiscal 2020, 2019 and 2018 was \$22.4 million, \$20.4 million and \$14.4 million, respectively.

The fair value of our stock options was estimated on the date of grant using the Black-Scholes option pricing model. There were no options granted in fiscal 2020 and 2019. The following assumptions were used in the calculation for fiscal 2018:

	Fiscal Year Ended September 30, 2018
Dividend yield	1.0%
Expected stock price volatility	36.1% - 38.8%
Risk-free rate of return, annual	1.7% - 2.9%

For purposes of the Black-Scholes model, forfeitures were estimated based on historical experience. For the fiscal 2018 year-end, we based our expected stock price volatility on historical volatility behavior and current implied volatility behavior. Our risk-free rate of return was based on constant maturity rates provided by the U.S. Treasury. The expected life was based on historical experience.

Net cash proceeds from the exercise of stock options were \$10.3 million, \$11.8 million and \$13.5 million for fiscal 2020, 2019 and 2018, respectively. Our policy is to issue shares from our authorized shares upon the exercise of stock options. The actual income tax benefit realized from exercises of nonqualified stock options and disqualifying dispositions of qualified options for fiscal 2020, 2019 and 2018 was \$8.3 million, \$6.4 million and \$5.1 million, respectively.

RSU and PSU

RSU awards are granted to our key employee and non-employee directors. The fair value of the RSU was determined at the date of grant using the market price of the underlying common stock as of the date of grant. All of the RSUs have time-based vesting over a four-year period, except that RSUs awarded to directors vest after one year. The total compensation cost of the awards is then amortized over their applicable vesting period on a straight-line basis.

PSU awards are granted to our executive officers and non-employee directors. All of the PSUs are performance-based and vest, if at all, after the conclusion of the three-year performance period. The number of PSUs that ultimately vest is based on 50% growth in our EPS and 50% on our relative total shareholder return over the vesting period. For these performance-based awards, our expected performance is reviewed to estimate the percentage of shares that will vest. The total compensation cost of the awards is then amortized over their applicable vesting period on a straight-line basis.

A summary of the RSU and PSU activity under our stock plans is as follows:

	RSU		PSU	
	Number of Shares (in thousands)	Weighted- Average Grant Date Fair Value per Share	Number of Shares (in thousands)	Weighted- Average Grant Date Fair Value per Share
Nonvested balance at October 1, 2017	511	\$ 33.19	376	\$ 36.05
Granted	199	48.16	99	57.40
Vested	(184)	31.85	(270)	31.66
Adjustment ⁽¹⁾	—	—	131	31.66
Forfeited	(38)	36.39	(13)	41.80
Nonvested balance at September 30, 2018	488	39.56	323	44.27
Granted	179	66.26	90	80.41
Vested	(180)	36.95	(108)	31.63
Adjustment ⁽¹⁾	—	—	79	31.63
Forfeited	(17)	48.56	—	—
Nonvested balance at September 29, 2019	470	50.42	384	53.67
Granted	168	83.92	74	99.85
Vested	(178)	46.87	(162)	47.28
Adjustment ⁽¹⁾	—	—	64	48.36
Forfeited	(16)	65.43	(5)	83.98
Nonvested balance at September 27, 2020	444	63.93	355	64.83

⁽¹⁾ For fiscal 2018, includes a payout adjustment of 130,730 PSUs due to the actual performance level achieved for PSUs granted in fiscal 2015 that vested fiscal 2018. For fiscal 2019, includes a payout adjustment of 79,465 PSUs due to the actual performance level achieved for PSUs granted in fiscal 2016 that vested during fiscal 2019. For fiscal 2020 includes a payout adjustment of 63,643 PSUs due to the actual performance level achieved for PSUs granted in fiscal 2017 that vested during fiscal 2020.

During fiscal 2020, 2019 and 2018, we awarded 167,525, 179,478 and 198,960 shares of RSUs, respectively, to our key employees and non-employee directors. The weighted-average grant-date fair value of RSUs granted during fiscal 2020, 2019 and 2018 was \$83.92, \$66.26 and \$48.16, respectively. At September 27, 2020, there were 443,504 RSUs outstanding. RSU forfeitures result from employment terminations prior to vesting. Forfeited shares return to the pool of authorized shares available for award.

During fiscal 2020, 2019 and 2018, we awarded 74,011, 89,816 and 99,217 shares of PSUs, respectively, to our executive officers and non-employee directors. The weighted-average grant-date fair value of PSUs granted during fiscal 2020, 2019 and 2018 was \$99.85, \$80.41 and \$57.40, respectively.

The stock-based compensation expense related to RSUs and PSUs for fiscal 2020, 2019 and 2018 was \$17.7 million, \$15.4 million and \$15.5 million, respectively, and was included in total stock-based compensation expense. At September 27, 2020, there was \$27.7 million of unrecognized stock-based compensation costs related to nonvested RSUs and PSUs that will be substantially recognized by the end of fiscal 2022.

ESPP

The following table summarizes shares purchased, weighted-average purchase price, and cash received for shares purchased under the ESPP:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands, except for purchase price)		
Shares purchased	168	148	141
Weighted-average purchase price per share	\$ 51.77	\$ 46.38	\$ 40.38
Cash received from exercise of purchase rights	\$ 8,715	\$ 6,844	\$ 5,727

The grant date fair value of each award granted under the ESPP was estimated using the Black-Scholes option pricing model with the following assumptions:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Dividend yield	1.0%	1.0%	1.0%
Expected stock price volatility	26.5%	26.7%	24.0%
Risk-free rate of return, annual	1.6%	2.6%	1.8%
Expected life (in years)	1	1	1

For fiscal 2020, 2019 and 2018, we based our expected stock price volatility on historical volatility behavior and current implied volatility behavior. The risk-free rate of return was based on constant maturity rates provided by the U.S. Treasury. The expected life was based on the ESPP terms and conditions.

Stock-based compensation expense for fiscal 2020, 2019 and 2018 included \$1.2 million, \$0.9 million and \$0.6 million, respectively, related to the ESPP. The unrecognized stock-based compensation costs for awards granted under the ESPP at fiscal 2020 and 2019 year-ends were \$0.3 million and \$0.2 million, respectively. At September 27, 2020, ESPP participants had accumulated \$8.5 million to purchase our common stock.

12. Retirement Plans

We have defined contribution plans in various countries where we have employees. This primarily includes 401(k) plans in the United States. For fiscal 2020, 2019 and 2018, employer contributions to the U.S. plans were \$25.0 million, \$23.3 million and \$22.4 million, respectively.

Additionally, we have established a non-qualified deferred compensation plan for certain key employees and non-employee directors. These eligible employees and non-employee directors may elect to defer the receipt of salary, incentive payments, restricted stock, PSU and RSU awards, and non-employee director fees. The plan is accounted for in accordance with applicable authoritative guidance on accounting for deferred compensation arrangements where amounts earned are held in a rabbi trust and invested. Employee deferrals are deposited into a rabbi trust, and the funds are generally invested in individual variable life insurance contracts that we own and are specifically designed to informally fund savings plans of this nature. At September 27, 2020 and September 29, 2019, the consolidated balance sheets reflect assets of \$35.1 million and \$30.4 million, respectively, related to the deferred compensation plan in "Other long-term assets," and liabilities of \$35.0 million and \$29.5 million, respectively, related to the deferred compensation plan in "Other long-term liabilities." The net gains and losses related to the deferred compensation plan are reported as part of "Selling, general and administrative expenses" in our consolidated statements of income. These related net gains and losses were immaterial for fiscal 2020, 2019 and 2018.

13. Earnings per Share

The following table sets forth the number of weighted-average shares used to compute basic and diluted EPS:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands, except per share data)		
Net income attributable to Tetra Tech	\$ 173,859	\$ 158,668	\$ 136,883
Weighted-average common shares outstanding – basic	54,235	54,986	55,670
Effect of diluted stock options and unvested restricted stock	787	950	928
Weighted-average common stock outstanding – diluted	55,022	55,936	56,598
Earnings per share attributable to Tetra Tech:			
Basic	\$ 3.21	\$ 2.89	\$ 2.46
Diluted	\$ 3.16	\$ 2.84	\$ 2.42

For fiscal 2020 and 2019, no options were excluded from the calculation of dilutive potential common shares. For fiscal 2018, 0.1 million options were excluded from the calculation of dilutive potential common shares. These options were not included in the computation of dilutive potential common shares because the assumed proceeds per share exceeded the average market price per share for that period. Therefore, their inclusion would have been anti-dilutive.

14. Derivative Financial Instruments

We often use certain interest rate derivative contracts to hedge interest rate exposures on our variable rate debt. Also, we may enter into foreign currency derivative contracts with financial institutions to reduce the risk that cash flows and earnings could adversely be affected by foreign currency exchange rate fluctuations. Our hedging program is not designated for trading or speculative purposes.

We recognize derivative instruments as either assets or liabilities on the accompanying consolidated balance sheets at fair value. We record changes in the fair value (i.e., gains or losses) of the derivatives that have been designated as cash flow hedges in our consolidated balance sheets as accumulated other comprehensive income, and in our consolidated statements of income for those derivatives designated as fair value hedges.

In fiscal 2018, we entered into five interest rate swap agreements that we designated as cash flow hedges to fix the interest rates on the borrowings under our term loan facility. As of September 27, 2020, the notional principal of our outstanding interest swap agreements was \$228.1 million (\$45.6 million each.) The interest rate swaps have a fixed interest rate of 2.79% and expire in July 2023 for all five agreements. At September 27, 2020 and September 29, 2019, the fair value of the effective portion of our interest rate swap agreements designated as cash flow hedges before tax effect was \$(15.5) million and \$(10.9) million, respectively, of which we expect to reclassify \$5.8 million from accumulated other comprehensive loss to interest expense within the next 12 months.

The fair values of our outstanding derivatives designated as hedging instruments were as follows:

		Fair Value of Derivative Instruments as of	
		September 27, 2020	September 29, 2019
Balance Sheet Location		(in thousands)	
Interest rate swap agreements	Other current liabilities	\$ 15,512	\$ 11,009

Changes in the fair value of the interest rate swap agreements are presented on the consolidated statements of comprehensive income as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
(Loss) gain recognized in other comprehensive income, net of tax			
Interest rate swap agreements	(4,638)	(12,125)	806

There were no ineffective portions of derivative instruments. Accordingly, no amounts were excluded from effectiveness testing for our interest rate swap agreements. We had no other derivative instruments that were not designated as hedging instruments for fiscal 2020, 2019 and 2018.

15. Reclassifications Out of Accumulated Other Comprehensive Income (Loss)

The accumulated balances and reporting period activities for fiscal 2020 and 2019 related to reclassifications out of accumulated other comprehensive income are summarized as follows:

	Foreign Currency Translation Adjustments	Gain (Loss) on Derivative Instruments	Accumulated Other Comprehensive Income (Loss)
	(in thousands)		
Balances at September 30, 2018	\$ (128,602)	\$ 1,252	\$ (127,350)
Other comprehensive loss before reclassifications	(21,109)	(11,247)	(32,356)
Amounts reclassified from accumulated other comprehensive income			
Interest rate contracts, net of tax ⁽¹⁾	—	(878)	(878)
Net current-period other comprehensive loss	(21,109)	(12,125)	(33,234)
Balances at September 29, 2019	\$ (149,711)	\$ (10,873)	\$ (160,584)
Other comprehensive income before reclassifications	3,436	(599)	2,837
Amounts reclassified from accumulated other comprehensive income			
Interest rate contracts, net of tax ⁽¹⁾	—	(4,039)	(4,039)
Net current-period other comprehensive income (loss)	3,436	(4,638)	(1,202)
Balances at September 27, 2020	\$ (146,275)	\$ (15,511)	\$ (161,786)

⁽¹⁾ This accumulated other comprehensive component is reclassified to "Interest expense" in our consolidated statements of income. See Note 14, "Derivative Financial Instruments", for more information.

16. Fair Value Measurements

Derivative Instruments. For additional information about our derivative financial instruments (see Note 2, "Basis of Presentation and Preparation" and Note 14, "Derivative Financial Instruments").

Contingent Consideration. We measure our contingent earn-out liabilities at fair value on a recurring basis (see Note 2, "Basis of Presentation and Preparation" and Note 5, "Acquisitions and Divestitures" for further information).

Debt. The fair value of long-term debt was determined using the present value of future cash flows based on the borrowing rates currently available for debt with similar terms and maturities (Level 2 measurement). The carrying value of our long-term debt approximated fair value at September 27, 2020 and September 29, 2019. At September 27, 2020, we had borrowings of \$254.9 million outstanding under our Amended Credit Agreement, which were used to fund our business acquisitions, working capital needs, stock repurchases, dividends, capital expenditures and contingent earn-outs.

17. Commitments and Contingencies

We are subject to certain claims and lawsuits typically filed against the consulting and engineering profession, alleging primarily professional errors or omissions. We carry professional liability insurance, subject to certain deductibles and policy limits, against such claims. However, in some actions, parties are seeking damages that exceed our insurance coverage or for which we are not insured. While management does not believe that the resolution of these claims will have a material adverse effect, individually or in aggregate, on our financial position, results of operations or cash flows, management acknowledges the uncertainty surrounding the ultimate resolution of these matters.

On July 15, 2019, following an initial January 14, 2019 filing, the Civil Division of the United States Attorney's Office filed an amended complaint in intervention in three qui tam actions filed against our subsidiary, Tetra Tech EC, Inc. ("TtEC"), in the U.S. District Court for the Northern District of California. The complaint alleges False Claims Act violations and breach of contract related to TtEC's contracts to perform environmental remediation services at the former Hunters Point Naval Shipyard in San Francisco, California. TtEC disputes the claims and will defend this matter vigorously. We are currently unable to determine the probability of the outcome of this matter or the range of reasonably possible loss, if any.

18. Reportable Segments

We managed our operations under two reportable segments. Our GSG reportable segment primarily includes activities with U.S. government clients (federal, state and local) and all activities with development agencies worldwide. Our CIG reportable segment primarily includes activities with U.S. commercial clients and international clients other than development agencies. Additionally, we continue to report the results of the wind-down of our non-core construction activities in the RCM reportable segment.

Our reportable segments are described as follows:

GSG: GSG provides consulting and engineering services primarily to U.S. government clients (federal, state and local) and development agencies worldwide. GSG supports U.S. government civilian and defense agencies with services in water, environment, sustainable infrastructure, information technology, and disaster management. GSG also provides engineering design services for U.S. municipal and commercial clients, especially in water infrastructure, solid waste, and high-end sustainable infrastructure designs. GSG also leads our support for development agencies worldwide, especially in the United States, United Kingdom, and Australia.

CIG: CIG primarily provides consulting and engineering services to U.S. commercial clients, and international clients that include both commercial and government sectors. CIG supports commercial clients across the Fortune 500, energy utilities, industrial, manufacturing, aerospace, and resource management markets. CIG also provides infrastructure and related environmental, engineering and project management services to commercial and local government clients across Canada, in Asia Pacific (primarily Australia and New Zealand), the United Kingdom, as well as Brazil and Chile.

RCM: We continued to report the results of the wind-down of our non-core construction activities in the RCM reportable segment for fiscal 2020. As of September 27, 2020, there was no remaining backlog for RCM as the projects were complete.

Management evaluates the performance of these reportable segments based upon their respective segment operating income before the effect of amortization expense related to acquisitions, and other unallocated corporate expenses. We account for inter-segment revenues and transfers as if they were to third parties; that is, by applying a negotiated fee onto the costs of the services performed. All significant intercompany balances and transactions are eliminated in consolidation.

The following tables present summarized financial information of our reportable segments:

Reportable Segments

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Revenue			
GSG	\$ 1,778,922	\$ 1,820,671	\$ 1,694,871
CIG	1,266,059	1,342,509	1,323,142
RCM	198	(1,542)	14,199
Elimination of inter-segment revenue	(50,288)	(54,290)	(68,064)
Total revenue	\$ 2,994,891	\$ 3,107,348	\$ 2,964,148
Income from operations			
GSG	\$ 168,669	\$ 185,263	\$ 168,211
CIG	114,022	79,633	74,451
RCM	—	(5,933)	(4,573)
Corporate ⁽¹⁾	(41,600)	(70,201)	(48,003)
Total income from operations	\$ 241,091	\$ 188,762	\$ 190,086

⁽¹⁾ Includes goodwill and intangible assets impairment charges, amortization of intangibles, other costs and other income not allocable to segments. The intangible asset amortization expense for fiscal 2020, 2019 and 2018 was \$11.6 million, \$11.6 million and \$18.2 million, respectively. Additionally, Corporate results included income (loss) for fair value adjustments to contingent consideration liabilities of \$15.0 million, \$(1.1) million and \$(4.3) million for fiscal 2020, 2019 and 2018, respectively. Corporate results in fiscal 2020 and 2019 also included \$15.8 million and \$7.8 million goodwill impairment charges, respectively. See Note 6 - "Goodwill and Intangible Assets" for more information.

	Balance at	
	September 27, 2020 ⁽¹⁾	September 29, 2019
	(in thousands)	
Total Assets		
GSG	\$ 649,417	\$ 587,040
CIG	479,238	450,276
RCM	14,258	15,608
Corporate ⁽²⁾	1,235,645	1,094,484
Total assets	\$ 2,378,558	\$ 2,147,408

⁽¹⁾ Fiscal 2020 includes recognition of ROU assets for leases (substantially all operating leases) upon the adoption of ASU 2016-02 in the first quarter of fiscal 2020.

⁽²⁾ Corporate assets consist of intercompany eliminations and assets not allocated to our reportable segments including goodwill, intangible assets, deferred income taxes and certain other assets.

Geographic Information

	Fiscal Year Ended					
	September 27, 2020		September 29, 2019		September 30, 2018	
	Revenue	Long-Lived Assets ^(2,3)	Revenue	Long-Lived Assets ⁽²⁾	Revenue	Long-Lived Assets ⁽²⁾
United States	\$ 2,107,457	\$ 230,933	\$ 2,247,780	\$ 51,859	\$ 2,232,013	\$ 57,256
Foreign countries ⁽¹⁾	887,434	108,348	859,568	46,113	732,135	28,235

⁽¹⁾ Includes revenue and long-lived assets from our foreign operations, primarily in Canada, Australia and the United Kingdom, and revenue generated from non-U.S. clients.

⁽²⁾ Excludes goodwill, intangible assets and deferred income taxes.

⁽³⁾ Includes recognition of ROU assets for leases (substantially all operating leases) upon the adoption of ASU 2016-02 in the first quarter of fiscal 2020.

19. Related Party Transactions

We often provide services to unconsolidated joint ventures. Our revenue related to services we provided to unconsolidated joint ventures for fiscal 2020, 2019 and 2018 was \$88.2 million, \$99.1 million and \$75.0 million, respectively. Our related reimbursable costs for fiscal 2020, 2019 and 2018 were approximately \$86.4 million, \$98.5 million and \$76.6 million, respectively. Our consolidated balance sheets also included the following amounts related to these services:

	Balance at	
	September 27, 2020	September 29, 2019
	(in thousands)	
Accounts receivable, net	\$ 20,884	\$ 19,351
Contract assets	3,261	9,681
Contract liabilities	478	111

20. Quarterly Financial Information – Unaudited

In the opinion of management, the following unaudited quarterly data for the fiscal years ended September 27, 2020 and September 29, 2019 reflect all adjustments necessary for a fair statement of the results of operations.

In the second quarter of fiscal 2020, we incurred incremental costs totaling \$8.2 million to address the COVID-19 pandemic. In the fourth quarter of fiscal 2020, we recorded adjustments to our contingent earn-out liabilities and reported related net gains in operating income of \$13.5 million. Additionally, we recorded a \$15.8 million goodwill impairment charge related to the ASP reporting unit, which is in our CIG segment. We sold non-core equipment related to the disposal of our Canadian turn-key pipeline activities throughout fiscal 2020 which resulted in gains of \$0.8 million, \$2.2 million, \$4.5 million, and \$1.0 million in the first, second, third, and fourth quarters of fiscal 2020, respectively.

In the second quarter of fiscal 2019, deferred tax valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence obtained. During the fourth quarter of fiscal 2019, we decided to dispose of the Canadian turn-key pipeline activities in our CIG segment. As a result, we recorded a \$7.8 million goodwill impairment charge and other charges for severance and other disposition costs totaling \$10.9 million. Also in the fourth quarter of fiscal 2019, we incurred acquisition and transaction charges of \$10.4 million related to the acquisition of WYG.

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
(in thousands, except per share data)				
Fiscal Year 2020				
Revenue	\$ 797,623	\$ 734,133	\$ 709,771	\$ 753,364
Income from operations	63,302	47,530	63,525	66,735
Net income attributable to Tetra Tech	47,310	36,397	45,497	44,654
Earnings per share attributable to Tetra Tech:				
Basic	\$ 0.87	\$ 0.67	\$ 0.84	\$ 0.83
Diluted	\$ 0.85	\$ 0.66	\$ 0.83	\$ 0.82
Weighted-average common shares outstanding:				
Basic	54,560	54,699	53,985	53,841
Diluted	55,438	55,463	54,692	54,603
Fiscal Year 2019				
Revenue	\$ 717,431	\$ 722,621	\$ 825,793	\$ 841,502
Income from operations	55,711	47,545	64,841	20,665
Net income attributable to Tetra Tech	41,997	55,911	49,233	11,527
Earnings per share attributable to Tetra Tech:				
Basic	\$ 0.76	\$ 1.01	\$ 0.90	\$ 0.21
Diluted	\$ 0.75	\$ 1.00	\$ 0.88	\$ 0.21
Weighted-average common shares outstanding:				
Basic	55,390	55,143	54,819	54,617
Diluted	56,366	55,985	55,768	55,618

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures**Evaluation of disclosure controls and procedures and changes in internal control over financial reporting**

At September 27, 2020, we carried out an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures. Based on our management's evaluation (with the participation of our principal executive officer and principal financial officer), our principal executive officer and principal financial officer have concluded that, as of the end of the period covered by this report, our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act), were effective.

Management's Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting. As defined in Exchange Act Rule 13a-15(f), internal control over financial reporting is a process designed by, or under the supervision of, our principal executive and principal financial officer and effected by our Board of Directors, management and other personnel to provide reasonable assurance regarding the reliability of financial reporting and the preparation of consolidated financial statements for external purposes in accordance with U.S. GAAP. Internal controls include those policies and procedures that (i) pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of our assets; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with U.S. GAAP and that our receipts and expenditures are being made only in accordance with authorizations of our management and directors; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of our assets that could have a material effect on our consolidated financial statements. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate. Accordingly, even effective internal control over financial reporting can only provide reasonable assurance of achieving their control objectives.

Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we assessed the effectiveness of our internal control over financial reporting at September 27, 2020, based on the criteria in *Internal Control – Integrated Framework* (2013) issued by the COSO. Based upon this assessment, management has concluded that our internal control over financial reporting was effective at September 27, 2020.

PricewaterhouseCoopers LLP, the independent registered public accounting firm that audited the consolidated financial statements included in this Form 10-K, has issued a report on our internal control over financial reporting. This report, dated November 23, 2020, appears on pages 58-60 of this Form 10-K.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting during the three months ended September 27, 2020 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Item 9B. Other Information

None.

PART III**Item 10. Directors, Executive Officers and Corporate Governance**

The information required by this item relating to our directors and nominees, regarding compliance with Section 16(a) of the Exchange Act, and regarding our Audit Committee is included under the captions "Item No. 1 – Election of Directors" and "Section 16(a) Beneficial Ownership Reporting Compliance" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Pursuant to General Instruction G(3) of Form 10-K, the information required by this item relating to our executive officers is included under the caption "Executive Officers of the Registrant" in Part I of this Report.

We have adopted a code of ethics that applies to our principal executive officer and all members of our finance department, including our principal financial officer and principal accounting officer. This code of ethics, entitled "Finance Code of Professional Conduct," is posted on our website. The Internet address for our website is www.tetrattech.com, and the code of ethics may be found through a link to the Investor Relations section of our website.

We intend to satisfy the disclosure requirement under Item 5.05 of Form 8-K for any amendment to, or waiver from, a provision of this code of ethics by posting any such information on our website, at the address and location specified above.

Item 11. Executive Compensation

The information required by this item is included under the captions "Item No. 1 – Election of Directors" and "Executive Compensation Tables" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The information required by this item relating to security ownership of certain beneficial owners and management, and securities authorized for issuance under equity compensation plans, is included under the caption "Security Ownership of Management and Significant Stockholders" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Item 13. Certain Relationships and Related Transactions, and Director Independence

The information required by this item relating to review, approval or ratification of transactions with related persons is included under the caption "Related Person Transactions," and the information required by this item relating to director independence is included under the caption "Item No. 1 – Election of Directors," in each case in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Item 14. Principal Accounting Fees and Services

The information required by this item is included under the caption "Item No. 4 – Ratification of Independent Registered Public Accounting Firm" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

PART IV

Item 15. Exhibits, Financial Statement Schedules

(a.) **1 Financial Statements**

The Index to Financial Statements and Financial Statement Schedule on page [57](#) is incorporated by reference as the list of financial statements required as part of this Report.

2 Financial Statement Schedule

The Index to Financial Statements and Financial Statement Schedule on page [57](#) is incorporated by reference as the list of financial statement schedules required as part of this Report.

3 Exhibits

The exhibit list in the Index to Exhibits on pages [101](#) is incorporated by reference as the list of exhibits required as part of this Report.

Tetra Tech, Inc.
SCHEDULE II – VALUATION AND QUALIFYING ACCOUNTS AND RESERVES

For the Fiscal Years Ended
September 30, 2018, September 29, 2019 and September 27, 2020
(in thousands)

	Balance at Beginning of Period	Charged to Costs and Expenses	Deductions ⁽²⁾	Other ⁽³⁾	Balance at End of Period
Allowance for doubtful accounts ⁽¹⁾:					
Fiscal 2018	\$ 3,987	\$ 1,496	\$ (295)	—	\$ 5,188
Fiscal 2019	5,188	7,242	(1,868)	—	10,562
Fiscal 2020	10,562	1,472	(4,887)	—	7,147
Income tax valuation allowance:					
Fiscal 2018	\$ 25,326	\$ 900	\$ —	\$ (4,747)	\$ 21,479
Fiscal 2019	21,479	255	(23,714)	22,523	20,543
Fiscal 2020	20,543	3,852	—	—	24,395

⁽¹⁾ Reflects updated presentation of allowance for doubtful accounts to include expected credit losses in anticipation of our adoption of ASU 2016-13 in the first quarter of fiscal 2021.

⁽²⁾ Primarily represents write-offs of uncollectible amounts, net of recoveries for the allowance for doubtful accounts. The income tax valuation amount represents the release of valuation allowances in Australia.

⁽³⁾ Includes loss in foreign jurisdictions, currency adjustments, and valuation allowance adjustments related to net operating loss carry-forwards.

INDEX TO EXHIBITS

- 3.1 [Restated Certificate of Incorporation of the Company \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K dated February 26, 2009\).](#)
- 3.2 [Bylaws of the Company \(amended and restated as of April 2009\) \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K dated April 24, 2009\), and amended as of November 7, 2016 \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K dated November 9, 2016\).](#)
- 10.1 [Second Amended and Restated Credit Agreement dated as of July 30, 2018 among Tetra Tech, Inc., Tetra Tech Canada Holding Corporation, Coffey UK Limited, Coffey Services Australia Pty. Ltd., the lenders party thereto and Bank of America, N.A., as Administrative Agent \(incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated August 1, 2018\).](#)
- 10.2 [Employee Stock Purchase Plan \(incorporated by reference to Exhibit 10.2 to the Company's Annual Report on Form 10-K for the fiscal year ended September 30, 2012\).](#)
- 10.3 [2005 Equity Incentive Plan \(as amended through November 7, 2011\) \(incorporated by reference to the Company's Proxy Statement for its 2012 Annual Meeting of Stockholders held on February 28, 2012\).*](#)
- 10.4 [First Amendment to the 2005 Equity Incentive Plan \(as amended through November 7, 2011\) \(incorporated by reference to Exhibit 10.9 to the Company's Annual Report on Form 10-K for the fiscal year ended September 29, 2013\).*](#)
- 10.5 [2015 Equity Incentive Plan \(incorporated by reference to the Company's Proxy Statement for its 2015 Annual Meeting of Stockholders held on March 5, 2015\).*](#)
- 10.6 [2018 Equity Incentive Plan \(incorporated by reference to the Company's Proxy Statement for its 2018 Annual Meeting of Stockholders held on March 8, 2018\).*](#)
- 10.7 [Form of Indemnity Agreement entered into between the Company and each of its directors and executive officers \(incorporated by reference to Exhibit 10.20 to the Company's Annual Report on Form 10-K for the fiscal year ended October 3, 2004\).*](#)
- 10.8 [Amended and Restated Deferred Compensation Plan \(incorporated by reference to Exhibit 10 to the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended March 29, 2020\).*](#)
- 10.9 [Change of Control Severance Plan effective March 26, 2018 \(incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated March 9, 2018\).*](#)
- 10.10 [Executive Compensation Plan \(as amended and restated November 14, 2013\) \(incorporated by reference to Exhibit 10.23 to the Company's Annual Report on Form 10-K for the fiscal year ended September 29, 2013\).*](#)
- [21. Subsidiaries of the Company.+](#)
- [23 Consent of Independent Registered Public Accounting Firm \(PricewaterhouseCoopers LLP\).+](#)
- [24. Power of Attorney \(included on page 103 of this Annual Report on Form 10-K\).](#)
- [31.1 Chief Executive Officer Certification pursuant to Rule 13a-14\(a\)/15d-14\(a\). Executive Officer Certification pursuant to Rule 13a-14\(a\)/15d-14\(a\).+](#)
- [31.2 Chief Financial Officer Certification pursuant to Rule 13a-14\(a\)/15d-14\(a\).+](#)
- [32.1 Certification of Chief Executive Officer pursuant to Section 1350.+](#)
- [32.2 Certification of Chief Financial Officer pursuant to Section 1350.+](#)
- [95. Mine Safety Disclosures.+](#)

101 The following financial information from our Company's Annual Report on Form 10-K, for the period ended September 27, 2020 , formatted in Inline eXtensible Business Reporting Language: (i) Consolidated Balance Sheets, (ii) Consolidated Statements of Income, (iii) Consolidated Statement of Comprehensive Income, (iv) Consolidated Statements of Equity, (v) Consolidated Statements of Cash Flows, (vi) Notes to Consolidated Financial Statements.+(1)

* Indicates a management contract or compensatory arrangement.

+ Filed herewith.

(1) Pursuant to Rule 406T of Regulation S-T, the XBRL related information in Exhibit 101 to this Annual Report on Form 10-K shall not be deemed to be "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liability of the section, and shall not be deemed part of a registration statement, prospectus or other document filed under the Securities Act or the Exchange Act, except as shall be expressly set forth by specific reference in such filings.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this Report on Form 10-K to be signed on its behalf by the undersigned, thereunto duly authorized.

TETRA TECH, INC.

By:

/s/ DAN L. BATRACK

Dan L. Batrack
Chairman and Chief Executive Officer

Date: November 20, 2020

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Dan L. Batrack and Steven M. Burdick, jointly and severally, his attorney-in-fact, each with the full power of substitution, for such person, in any and all capacities, to sign any and all amendments to this Annual Report on Form 10-K, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he might do or could do in person, hereby ratifying and confirming all that each of said attorneys-in-fact and agents, or his substitute, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this Report on Form 10-K has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

Signature	Title	Date
<u>/s/ DAN L. BATRACK</u> Dan L. Batrack	Chairman and Chief Executive Officer (Principal Executive Officer)	November 20, 2020
<u>/s/ STEVEN M. BURDICK</u> Steven M. Burdick	Executive Vice President, Chief Financial Officer (Principal Financial Officer)	November 20, 2020
<u>/s/ BRIAN N. CARTER</u> Brian N. Carter	Senior Vice President, Corporate Controller (Principal Accounting Officer)	November 20, 2020
<u>/s/ GARY R. BIRKENBEUEL</u> Gary R. Birkenbeuel	Director	November 20, 2020
<u>/s/ PATRICK C. HADEN</u> Patrick C. Haden	Director	November 20, 2020
<u>/s/ J. CHRISTOPHER LEWIS</u> J. Christopher Lewis	Director	November 20, 2020
<u>/s/ JOANNE M. MAGUIRE</u> Joanne M. Maguire	Director	November 20, 2020
<u>/s/ KIMBERLY E. RITRIEVI</u> Kimberly E. Ritrievi	Director	November 20, 2020
<u>/s/ J. KENNETH THOMPSON</u> J. Kenneth Thompson	Director	November 20, 2020
<u>/s/ KIRSTEN M. VOLPI</u> Kirsten M. Volpi	Director	November 20, 2020

Subsidiaries of Tetra Tech, Inc.

NAME	JURISDICTION OF FORMATION
Advanced Management Technology, Inc.	Virginia
American Environmental Group, Ltd.	Ohio
America's Schoolhouse Consulting Services, Inc.	New York
ARD, Inc.	Vermont
Ardaman & Associates, Inc.	Florida
BIOCNG, LLC	New York
BlueWater Federal Solutions, Inc.	Delaware
Cornerstone Environmental Group, LLC	New York
Cosentini Associates, Inc.	New York
Foothills Indemnity, Inc.	Hawaii
Fort Point Associates, Inc.	Massachusetts
Global Tech Inc.	Virginia
Glumac	California
Hydro-Ops LLC	Delaware
INDUS Corporation	Virginia
Integrated Justice Systems International, LLC	Delaware
LDIS, LLC	Colorado
Management Systems International, Inc.	District of Columbia
PRO-telligent, LLC	Delaware
Rooney Engineering, Inc.	Colorado
Segue Technologies, Inc.	Virginia
Tetra Tech Alaska, L.L.C.	Alaska
Tetra Tech Australia Pty Ltd	Australia
Tetra Tech BAS, Inc.	California
Tetra Tech CES, LLC	Washington
Tetra Tech Coffey Holding LLC	Delaware
Tetra Tech Construction, Inc.	New York
Tetra Tech EC, Inc.	Delaware
Tetra Tech EMC, Inc.	California
Tetra Tech ES, Inc.	Delaware
Tetra Tech Executive Services, Inc.	California
Tetra Tech Expeditionary Operations, Inc.	Delaware
Tetra Tech Holding LLC	Delaware
Tetra Tech Holdings Pty Ltd.	Australia
Tetra Tech International, Inc.	Delaware
Tetra Tech MA, Inc.	Delaware
Tetra Tech MIMDU, LLC	Delaware
Tetra Tech Technical Services, Inc.	Delaware
Tetra Tech Tesoro, Inc.	Virginia
Tetra Tech UK Holdings Limited	United Kingdom

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (Nos. 333-226586, 333-211153, 333-203817, 333-184958, 333-174032, 333-158932, 333-148712, 333-145201, 333-145199, 333-85558, 333-53036, and 333-11757) of Tetra Tech, Inc. of our report dated November 23, 2020 relating to the financial statements, financial statement schedule and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP

Los Angeles, California

November 23, 2020

**Chief Executive Officer Certification Pursuant to
Section 302 of the Sarbanes-Oxley Act of 2002**

I, Dan L. Batrack, certify that:

1. I have reviewed this Annual Report on Form 10-K of Tetra Tech, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 23, 2020

/s/ Dan L. Batrack

Dan L. Batrack
Chairman and Chief Executive Officer
(Principal Executive Officer)

**Chief Financial Officer Certification Pursuant to
Section 302 of the Sarbanes-Oxley Act of 2002**

I, Steven M. Burdick, certify that:

1. I have reviewed this Annual Report on Form 10-K of Tetra Tech, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 23, 2020

/s/ Steven M. Burdick

Steven M. Burdick
Chief Financial Officer
(Principal Financial Officer)

**Certification of Chief Executive Officer Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002**

In connection with the Annual Report of Tetra Tech, Inc. (the "Company") on Form 10-K for the fiscal year ended September 27, 2020, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Dan L. Batrack, Chief Executive Officer of the Company, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

1. The Report fully complies with the requirements of Section 13(a) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 23, 2020

/s/ DAN L. BATRACK

Dan L. Batrack
Chairman and Chief Executive Officer
(Principal Executive Officer)

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Tetra Tech, Inc. and will be retained by Tetra Tech, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

The foregoing certification is being furnished to the Securities and Exchange Commission as an exhibit to the Form 10-K and shall not be considered filed as part of the Form 10-K.

**Certification of Chief Financial Officer Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002**

In connection with the Annual Report of Tetra Tech, Inc. (the "Company") on Form 10-K for the fiscal year ended September 27, 2020, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Steven M. Burdick, Chief Financial Officer and Treasurer of the Company, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

1. The Report fully complies with the requirements of Section 13(a) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 23, 2020

/s/ STEVEN M. BURDICK

Steven M. Burdick
Chief Financial Officer
(Principal Financial Officer)

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Tetra Tech, Inc. and will be retained by Tetra Tech, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

The foregoing certification is being furnished to the Securities and Exchange Commission as an exhibit to the Form 10-K and shall not be considered filed as part of the Form 10-K.

MINE SAFETY DISCLOSURES

The following table shows, for each project performed at U.S. mines that is subject to the Federal Mine Safety and Health Act of 1977 (“*MSHA*”), the information required by Section 1503(a) of the Dodd-Frank Wall Street Reform and Consumer Protection Act and Item 104 of Regulation S-K. Section references are to sections of MSHA.

12 Month Period Ending September 27, 2020	Delaney Crushed Stone Products, Inc
Alleged violations of mandatory health or safety standards that could significantly and substantially contribute to the cause and effect of a mine safety or health hazard (#)	0
Section 104(b) orders (#)	0
Section 104(d) citations and orders (#)	0
Section 110(b)(2) violations (#)	0
Section 107(a) orders (#)	0
Proposed assessments under MSHA (\$) whole dollars	\$280.00
Mining-related fatalities (#)	0
Section 104(e) notice	0
Notice of the potential for a pattern of violations under Section 104(e)	0
Legal actions before the Federal Mine Safety and Health Review Commission (“FMSHRC”) initiated (#)	0
Legal actions before the FMSHRC resolved	0
Legal actions pending before the FMSHRC, end of period	-
Contests of citations and orders reference in Subpart B of 29 CFR Part 2700	0
Contests of proposed penalties referenced in Subpart C of 29 CFR Part 2700 (#)	0
Complaints for compensation referenced in Subpart D of 29 CFR Part 2700 (#)	0
Complaints of discharge, discrimination or interference reference in Subpart E of 29 CFR Part 2700 (#)	0
Applications for temporary relief referenced in Subpart F of 29 CFR Part 2700 (#)	0
Appeals of judges’ decisions or orders reference in Subpart H of 29 CFR Part 2700 (#)	0
Total pending legal actions (#)	0

COUNTY OF NASSAU

CONSULTANT'S, CONTRACTOR'S AND VENDOR'S DISCLOSURE FORM

1. Name of the Entity: Tetra Tech, Inc.

Address: 2301 Lucien Way, Suite120

City: Maitland State/Province/Territory: FL Zip/Postal Code: 32751

Country: US

2. Entity's Vendor Identification Number: 95-4148514

3. Type of Business: Public Corp (specify) _____

4. List names and addresses of all principals; that is, all individuals serving on the Board of Directors or comparable body, all partners and limited partners, all corporate officers, all parties of Joint Ventures, and all members and officers of limited liability companies (attach additional sheets if necessary):

3 File(s) uploaded Company Officers.pdf, Subsidiaries 2020.pdf, Tetra Tech Corporate and Local Office Locations.pdf

No principals have been attached to this form.

5. List names and addresses of all shareholders, members, or partners of the firm. If the shareholder is not an individual, list the individual shareholders/partners/members. If a Publicly held Corporation, include a copy of the 10K in lieu of completing this section.

If none, explain.

See attached 10-k

1 File(s) uploaded FY20 Tetra Tech 10K.pdf

No shareholders, members, or partners have been attached to this form.

6. List all affiliated and related companies and their relationship to the firm entered on line 1. above (if none, enter "None"). Attach a separate disclosure form for each affiliated or subsidiary company that may take part in the performance of this contract. Such disclosure shall be updated to include affiliated or subsidiary companies not previously disclosed that participate in the performance of the contract.

None

7. List all lobbyists whose services were utilized at any stage in this matter (i.e., pre-bid, bid, post-bid, etc.). If none, enter "None." The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

Are there lobbyists involved in this matter?

YES ☐ NO ☒

(a) Name, title, business address and telephone number of lobbyist(s):

None

(b) Describe lobbying activity of each lobbyist. See below for a complete description of lobbying activities.

None

(c) List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):

None

8. VERIFICATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a signatory of the firm for the purpose of executing Contracts.

The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

Electronically signed and certified at the date and time indicated by:

Jonathan Burgiel [JONATHAN.BURGIEL@TETRATECH.COM]

Dated: 02/24/2021 09:49:05 AM

Title: Business Unit President

The term lobbying shall mean any attempt to influence: any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including by not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions, department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission, with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

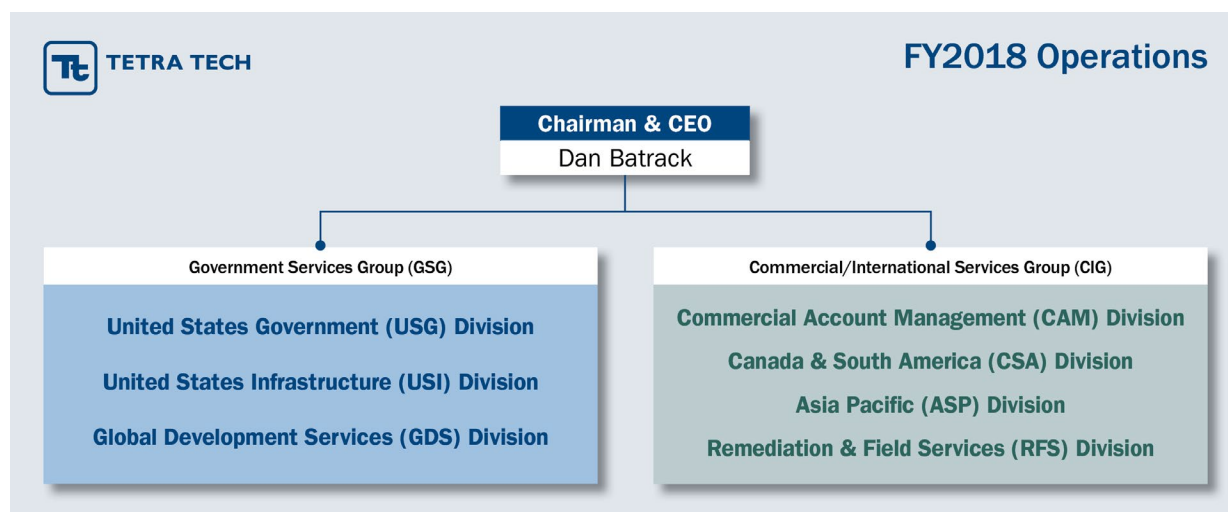
Subsidiaries of Tetra Tech, Inc.

NAME	JURISDICTION OF FORMATION
Advanced Management Technology, Inc.	Virginia
American Environmental Group, Ltd.	Ohio
America's Schoolhouse Consulting Services, Inc.	New York
ARD, Inc.	Vermont
Ardaman & Associates, Inc.	Florida
BIOCNG, LLC	New York
Cornerstone Environmental Group, LLC	New York
Cosentini Associates, Inc.	New York
Delaney Crushed Stone Products, Inc.	New York
Foothills Indemnity, Inc.	Hawaii
Fort Point Associates, Inc.	Massachusetts
Global Tech Inc.	Virginia
Glumac	California
Hydro-Ops LLC	Delaware
INDUS Corporation	Virginia
Integrated Justice Systems International, LLC	Delaware
LDIS, LLC	Colorado
Management Systems International, Inc.	District of Columbia
PRO-telligent, LLC	Delaware
Rooney Engineering, Inc.	Colorado
Tetra Tech Alaska, L.L.C.	Alaska
Tetra Tech Australia Pty Ltd	Australia
Tetra Tech BAS, Inc.	California
Tetra Tech CES, LLC	Washington
Tetra Tech Coffey Holding LLC	Delaware
Tetra Tech Construction, Inc.	New York
Tetra Tech EC, Inc.	Delaware
Tetra Tech EMC, Inc.	California
Tetra Tech ES, Inc.	Delaware
Tetra Tech Executive Services, Inc.	California
Tetra Tech Expeditionary Operations, Inc.	Delaware
Tetra Tech Holding LLC	Delaware
Tetra Tech International, Inc.	Delaware
Tetra Tech MA, Inc.	Delaware
Tetra Tech MIMDU, LLC	Delaware
Tetra Tech Technical Services, Inc.	Delaware
Tetra Tech Tesoro, Inc.	Virginia
Tetra Tech UK Holdings Limited	United Kingdom

CORPORATE OFFICERS

A list of names of all corporate officers is listed below.

Title	Name	
Chairman, Chief Executive Officer, and President	Dan L. Batrack	
President	Leslie L. Shoemaker	
Executive Vice President, Chief Financial Officer	Steven M. Burdick	
Senior Vice President, Chief Engineer	William R. Brownlie	
Senior Vice President, Corporate Controller and Chief Accounting Officer	Brian N. Carter	
Senior Vice President, Chief Information Officer	Craig L. Christensen	
Senior Vice President, General Counsel, and Secretary	Preston Hopson	
Senior Vice President, Corporate Administration	Richard A. Lemmon	
Senior Vice President, Enterprise Risk Management	Brendan O'Rourke	
Directors	Dan L. Batrack Gary R. Birkenbeuel Hugh M. Grant Patrick C. Haden J. Christopher Lewis Joanne M. Maguire	Kimberly E. Ritrievi Albert E. Smith J. Kenneth Thompson ThompsonThompson Kristen M. Volpi Li-San Hwang



Office Locations

With 450 offices worldwide, Tetra Tech has the local presence and global resources to serve Nassau County. Please see list of pertinent offices below:

Corporate Headquarters

3475 East Foothill Boulevard
Pasadena, California 91107-6024
1 (626) 470-2439

Disaster Recovery Office

2301 Lucien Way, Suite 120
Maitland, FL 32751

New York Offices

Albany

8 Southwoods Blvd.
3rd Fl.
Albany, NY 12211

Brooklyn

155 Water St.
Unit 2/13
Brooklyn, NY 11201

Buffalo

301 Ellicott St.
Buffalo, NY 14203

Farmingdale

500 Bi-County Blvd.
Ste. 104
Farmingdale, NY 11735

Ithaca

10 Brown Rd.
Ithaca, NY 14850

Middletown

100 Crystal Run Rd.
Ste. 101
Middletown, NY 10941

New York

498 7th Ave.
15th Flr.
New York, NY 10018

New York

5 Hanover Sq.
Ste. 502
New York, NY 10004

Rochester

3136 S. Winton Rd.
Ste. 303
Rochester, NY 14623

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

(Mark One)



ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Fiscal Year Ended September 27, 2020



TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Transition Period from to

Commission File Number 0-19655

TETRA TECH, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

95-4148514

(I.R.S. Employer Identification No.)

3475 East Foothill Boulevard, Pasadena, California 91107

(Address of principal executive offices) (Zip Code)

(626) 351-4664

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.01 par value	TTEK	The NASDAQ Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes ☒ No ☐

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes ☐ No ☒

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. Large accelerated filer ☒ Accelerated filer ☐ Non-accelerated filer ☐ Smaller reporting company ☐ Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. ☒

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes ☐ No ☒

The aggregate market value of the registrant's common stock held by non-affiliates on March 29, 2020, was \$3.6 billion (based upon the closing price of a share of registrant's common stock as reported by the Nasdaq National Market on that date).

On November 12, 2020, 53,777,381 shares of the registrant's common stock were outstanding.

DOCUMENT INCORPORATED BY REFERENCE

Portions of registrant's Proxy Statement for its 2021 Annual Meeting of Stockholders are incorporated by reference in Part III of this report where indicated.

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This Annual Report on Form 10-K ("Report"), including the "Management's Discussion and Analysis of Financial Condition and Results of Operations," contains forward-looking statements regarding future events and our future results that are subject to the safe harbors created under the Securities Act of 1933 (the "Securities Act") and the Securities Exchange Act of 1934 (the "Exchange Act"). All statements other than statements of historical facts are statements that could be deemed forward-looking statements. These statements are based on current expectations, estimates, forecasts and projections about the industries in which we operate and the beliefs and assumptions of our management. Words such as "expects," "anticipates," "targets," "goals," "projects," "intends," "plans," "believes," "estimates," "seeks," "continues," "may," variations of such words, and similar expressions are intended to identify such forward-looking statements. In addition, statements that refer to projections of our future financial performance, our anticipated growth and trends in our businesses, and other characterizations of future events or circumstances are forward-looking statements. Readers are cautioned that these forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions that are difficult to predict, including those identified below under "Risk Factors," and elsewhere herein. Therefore, actual results may differ materially and adversely from those expressed in any forward-looking statements. We undertake no obligation to revise or update publicly any forward-looking statements for any reason.

PART I

Item 1. Business

General

Tetra Tech, Inc. ("Tetra Tech") is a leading global provider of consulting and engineering services that focuses on water, environment, sustainable infrastructure, resource management, energy, and international development. We are a global company that is *Leading with Science*® to provide innovative solutions for our public and private clients. We typically begin at the earliest stage of a project by identifying technical solutions and developing execution plans tailored to our clients' needs and resources.

Tetra Tech is *Leading with Science*® to provide sustainable and resilient solutions to our clients' most complex needs. *Engineering News-Record* ("ENR"), the engineering industry's leading magazine, has ranked Tetra Tech #1 in Water for 17 years in a row. In 2020, we were also ranked #1 in dams and reservoirs, environmental management, environmental science, hydro plants, solid waste, water treatment/desalination, water treatment/supply, and wind power. ENR also ranked Tetra Tech in the top 10 in several categories, including chemical and soil remediation, green building design, hazardous waste, solar power, and site assessment and compliance.

Our reputation for high-end consulting and engineering services and our ability to develop solutions for water and environmental management has supported our growth for more than 50 years. Today, we are proud to be making a difference in people's lives worldwide through broad consulting, engineering, and technology service offerings. In fiscal 2020, we worked on over 65,000 projects, in more than 100 countries on seven continents, with a talent force of 20,000 associates. We are *Leading with Science*® throughout our operations, with domain experts across multiple disciplines supported by our advanced analytics, artificial intelligence ("AI"), machine learning, and digital technology solutions. Our ability to provide innovation and first-of-kind solutions is enhanced by partnerships with our forward-thinking clients. We are diverse and inclusive, embracing the breadth of experience across our talented workforce worldwide with a culture of innovation and entrepreneurship. We are disciplined in our business delivering value to customers and high performance to our shareholders. In supporting our clients, we seek to add value and provide long-term sustainable consulting, engineering, and technology solutions.

By combining ingenuity and practical experience, we have helped to advance sustainable solutions for managing water, protecting the environment, providing energy, and engineering the infrastructure for our cities and communities. Our mission is to be the world's leading consulting and engineering firm solving global challenges in water and the environment that make a positive difference in people's lives worldwide.

The following core principles form the underpinning of how we work together to serve our clients:

- *Service.* We put our clients first. We listen closely to better understand our clients' needs and deliver smart, cost-effective solutions that meet their needs.
- *Value.* We solve our clients' problems as if they were our own. We develop and implement sustainable solutions that are innovative, efficient and practical.
- *Excellence.* We bring superior technical capability, disciplined project management, and excellence in safety and quality to all of our services.
- *Opportunity.* Our people are our number one asset. Opportunity means new technical challenges that provide advancement within our company, encourage an inclusive and diverse workforce, and ensure a safe workplace.

We have a strong project management culture that enables us to deliver on more than 65,000 projects in a year. We maintain a strong emphasis on project management at all levels of the organization. Our client-focused project management is supported by strong fiscal management and financial tools. We use a disciplined approach to monitoring, managing, and improving our return on investment in each of our business areas through our efforts to negotiate appropriate contract terms, manage our contract performance to minimize schedule delays and cost overruns, and promptly bill and collect accounts receivable.

We have a broad client and contract base built by proactively understanding our clients' priorities and demonstrating a long track record of successful performance that results in repeat business and limits competition. We believe that proximity to our clients is also instrumental to integrating global experience and resources with an understanding of our local clients' needs. Over the past year, we worked in more than 100 countries, helping our clients address complex water, environment, energy and related infrastructure needs.

Throughout our history, we have supported both public and private clients, many for multiple decades of continuous contracts and repeat business. Long-term relationships provide us with institutional knowledge of our clients' programs, past projects and internal resources. Institutional knowledge is often a significant factor in winning competitive proposals and providing cost-effective solutions tailored to our clients' needs.

We are often at the leading edge of new challenges where we are delivering one-of-a-kind solutions. These might be a new water treatment technology, a unique solution to addressing new regulatory requirements, a new system for automated assessment of infrastructure assets or a digital twin for real time management of water treatment systems.

We combine interdisciplinary capabilities, technical resources, and institutional knowledge to implement complex projects that are at the leading edge of policy and technology development.

Leading with Science®

At Tetra Tech, we provide value-generating solutions by combining operational expertise, science, and technology. By *Leading with Science®* and leveraging our collective technology including advanced data analytics and digital technologies, we create transformational solutions for our clients.

Tetra Tech's proprietary technologies and solutions, referred to collectively as the Tetra Tech Delta, differentiate us in the market and provide us with a competitive advantage. We create customized solutions; from smart data collection and advanced analytics that support decision making to AI enabled solutions for asset management. Our Tetra Tech Delta technologies are drawn from our decades of operational experience and a reservoir of technical applications that are shared throughout our company. Our high-end teams connect interdisciplinary experts from across our company's 20,000 staff worldwide. Tetra Tech mobilizes teams that include analysts, statisticians, digital engineers, and industry experts who effectively implement value-generating and pragmatic solutions for our clients.

These advanced analytical solutions enable us to provide clients with real-time reporting, automated and remote data collection, and dashboards for tracking and communicating results. Tetra Tech Delta is continually expanding and includes cutting-edge tools on interpretive analysis, modeling of physical systems, forecasting and scenario analysis, optimization and operations research.

In implementing our *Leading with Science®* approach, we work with our clients to explore, incubate, and test solutions in our Tetra Tech Innovation Hubs ("Tt I-Hub"). Tt I-Hub provides a collaborative platform for exploration, testing, and formulation of new solutions in partnership with clients, academia and donor agencies.

Leading with Science® also means fully leveraging the collective expertise provided by our global talent force of 20,000 associates. We actively share information, ideas, and resources across our global operations through our network structure, guided subject matter teams, and project team building. We also proactively share emerging technology and new ideas through our knowledge transfer system, Tetra Tech Technology Transfer ("T4"). T4 facilitates our innovation culture through webcasts, blogs, multi-media, and social media across our global operations.

Reportable Segments

In fiscal 2020, we managed our operations under two reportable segments. Our Government Services Group ("GSG") reportable segment primarily includes activities with U.S. government clients (federal, state and local) and all activities with development agencies worldwide. Our Commercial/International Services Group ("CIG") reportable segment primarily includes activities with U.S. commercial clients and international clients other than development agencies. These reportable segments allow us to capitalize on our growing market opportunities and enhance the development of high-end consulting and technical solutions to meet our growing client demand. We continued to report the results of the wind-down of our non-core construction activities in the Remediation and Construction Management ("RCM") reportable segment. The following table presents the percentage of our revenue by reportable segment:

Reportable Segment	Fiscal Year		
	2020	2019	2018
GSG	59.4%	58.6%	57.2%
CIG	42.3	43.1	44.6
RCM	—	—	0.5
Inter-segment elimination	(1.7)	(1.7)	(2.3)
	100.0%	100.0%	100.0%

For additional information regarding our reportable segments, see Note 18, "Reportable Segments" of the "Notes to Consolidated Financial Statements" included in Item 8. For more information on risks related to our business, reportable segments and geographic regions, including risks related to foreign operations, see Item 1A, "Risk Factors" of this report.

Government Services Group

GSG provides consulting and engineering services primarily to U.S. government clients (federal, state and local) and development agencies worldwide. GSG supports U.S. government civilian and defense agencies with services in water, environment, sustainable infrastructure, information technology, and disaster management. GSG also provides engineering design services for U.S. municipal and commercial clients, especially in water infrastructure, solid waste, and high-end sustainable infrastructure designs. GSG also leads our support for development agencies worldwide, especially in the United States, United Kingdom, and Australia.

GSG provides consulting and engineering services for a broad range of water, environment, and infrastructure-related needs primarily for U.S. government clients. The primary GSG markets include water resources analysis and water management, environmental monitoring, data analytics, government consulting, waste management, and a broad range of civil infrastructure master planning and engineering design for facilities, transportation, and local development projects. GSG's services span from early data collection and monitoring, to data analysis and information management, to science and engineering applied research, to engineering design, to construction management, and operations and maintenance.

GSG provides our clients with sustainable solutions that optimize their water management and environmental programs to address regulatory requirements, improve operational efficiencies, and manage assets. Our services advance sustainability and resiliency through the "greening" of infrastructure, design of energy efficiency and resource conservation programs, innovation in the capture and sequestration of carbon, development of disaster preparedness and response plans, and improvement in water and land resource management practices. We provide climate change and energy management consulting, and greenhouse gas ("GHG") inventory assessment, certification, reduction, and management services.

Many government organizations face complex problems due to increased demand and competition for water and natural resources, newly understood threats to human health and the environment, aging infrastructure, and demand for new and more resilient infrastructure. Our integrated water management services support government agencies responsible for managing water supplies, wastewater treatment, storm water management, and flood protection. We help our clients develop more resilient water supplies and more sustainable management of water resources, while addressing a wide range of local and national government requirements and policies. Fluctuations in weather patterns and extreme events, such as prolonged droughts and more frequent flooding, are increasing concerns over the reliability of water supplies, the need to protect coastal areas, and flood mitigation and adaptation in metropolitan areas. We provide smart water infrastructure solutions that integrate water modeling, instrumentation and controls, and real-time controls to create flexible water systems that respond to changing conditions, optimize use of existing infrastructure, and provide clients with the ability to more efficiently monitor and manage their water infrastructure. We provide operational technology for secure management of water treatment and wastewater systems, including cybersecurity assessment and digital twin solutions.

We also support government agencies in the full range of disaster response and community resilience services including monitoring and environmental response, damage assessment and program management services, and resilient engineering design and mitigation planning. We have a full suite of proprietary software tools and procedures that support our disaster response, planning, and management support services. These tools and procedures address disaster management and community resilience data management needs, including information technology systems, portals, dashboards, data management, data analytics, and statistical analysis.

GSG provides planning, architectural, and sustainable engineering services for U.S. federal, state and local government facilities and non-residential commercial buildings. We support the government agencies with related infrastructure needs including military housing, and educational, institutional, and research facilities. Our high-performance buildings practice provides sustainable energy, water, and GHG efficient solutions including civil, electrical, mechanical, structural, plumbing and fire protection engineering and design services for buildings and surrounding developments. We provide high-end services in addressing indoor health and associated assessment, consulting, and retrofits of buildings to address indoor air quality and

safety. We also provide engineering services for a wide range of clients with specialized needs, such as security systems, training and audiovisual facilities, clean rooms, laboratories, medical facilities and disaster preparedness facilities.

GSG provides a wide range of consulting and engineering services for solid waste management, including landfill design and management and recycling facility design, throughout the United States; providing design, construction management, and maintenance services to manage solid and hazardous waste, for environmental, wastewater, energy, containment, mining, utilities, aquaculture, and other industrial clients; designing and installing geosynthetic liners for large lining and capping projects, as well as innovative renewable energy projects such as solar energy-generating landfill caps; and providing full-service solutions for gas-to-energy facilities to efficiently use landfill methane gas.

We provide high-end advanced analytics and information technology ("IT") consulting and support to various federal clients including AI applications, machine learning, modernization of IT systems, and cloud migration. We design solutions to manage and analyze data for major federal agency programs including data related to health, security, environment, and water programs. We use our e-lab to demonstrate and test technology solutions to facilitate rapid deployment by our clients. We provide technical support for the Federal Aviation Administration ("FAA") to optimize the U.S. airspace system and support related aviation systems integration for the U.S. and other countries' metropolitan airports. We provide specialized modeling and data analytics for airspace acoustic analysis. Our aviation airspace services include data management, data processing, communications and outreach, and systems development; and providing systems analysis and information management.

We support governments in implementing international development programs for developing nations to help them address numerous challenges, including access to potable water and adapting to the threats of climate change. Our international development services include supporting donor agencies to develop safe and reliable water supplies and sanitation services, support the eradication of poverty, improve livelihoods, promote democracy and increase economic growth; planning, designing, implementing, researching, and monitoring projects in the areas of climate change, agriculture and rural development, governance and institutional development, natural resources and the environment, infrastructure, economic growth, energy, rule of law and justice systems, land tenure and property rights, and training and consulting for public-private partnerships; and building capacity and strengthening institutions in areas such as global health, energy sector reform, utility management, education, food security, and local governance.

Commercial/International Services Group

CIG primarily provides consulting and engineering services to U.S. commercial clients, and international clients that include both commercial and government sectors. CIG supports commercial clients across the Fortune 500, energy utilities, industrial, manufacturing, aerospace, and resource management markets. CIG also provides infrastructure and related environmental, engineering and project management services to commercial and local government clients across Canada, in Asia Pacific (primarily Australia and New Zealand), the United Kingdom, as well as Brazil and Chile.

CIG provides consulting and engineering services worldwide for a broad range of water, environment, and sustainable infrastructure-related needs in both developed and emerging economies. The primary markets for CIG's services include natural resources, energy, and utilities, as well as civil infrastructure master planning and engineering design for facilities, transportation, and local development projects. CIG's services span from early data collection and monitoring to data analysis and information management, to feasibility studies and assessments, to science and engineering applied research, to engineering design, to construction management, and operations and maintenance.

CIG's environmental services include cleanup and beneficial reuse of sites contaminated with hazardous materials, toxic chemicals, and oil and petroleum products, which cover all phases of the remedial planning process, starting with disaster response and initial site assessment through removal actions, remedial design and implementation oversight; and supporting both commercial and government clients in planning and implementing remedial activities at numerous sites around the world, and providing a broad range of environmental analysis and planning services.

CIG also supports U.S. commercial clients by providing design services to renovate, upgrade, and modernize industrial water supplies, and address industrial water treatment and water reuse needs; and provides plant engineering, project execution, and program management services for industrial water treatment projects throughout the world.

CIG's international services, especially in Canada and Asia-Pacific, include high-end analytical, engineering, architecture, geotechnical, and construction management services for infrastructure projects, including rail and roadway monitoring and asset management services, collection of condition data, optimization of upgrades and long-term planning for expansion; multi-modal design services for commuter railway stations, airport expansions, bridges and major highways, and ports and harbors; and designing resilient solutions to repair, replace, and upgrade older transportation infrastructure.

CIG provides infrastructure design services in extreme and remote areas by using specialized techniques that are adapted to local resources, while minimizing environmental impacts, and considering potential climate change impacts. These include providing consulting, geotechnical, and design services to owners of transportation, natural resources, energy and community infrastructure in areas of permafrost or extreme climate regions.

CIG's energy services include support for electric power utilities and independent power producers worldwide, ranging from macro-level planning and management advisory services to project-specific environmental, engineering, construction management, and operational services, and advising on the design and implementation of smart grids, both domestically and internationally, including increasing utility automation, information and operational technologies, and critical infrastructure security. For utilities and governmental regulatory agencies, our services include policy and regulatory development, utility management, performance improvement, asset management and evaluation, and transaction support services. For developers and owners of renewable energy resources such as solar grid and off-grid, on-shore and off-shore wind, biogas and biomass, tidal, and hydropower, and conventional power generation facilities, micro-grid and battery or alternative storage facilities, as well as transmission and distribution assets, our services include environmental, engineering, procurement, operations and maintenance, and regulatory support for all project phases.

CIG supports industrial and energy clients, primarily in North America, in the upstream, midstream and downstream market sectors. Our services include environmental permitting support, siting studies, strategic planning and analyses; design of well pads and surface impoundments for drilling sites; water management for exploration activities; design of midstream pipelines and associated pumping stations and storage facilities; construction monitoring, design and construction management for downstream sustaining capital projects; biological and cultural assessments, and site investigations; and hazardous waste site remediation.

CIG also provides environmental remediation and reconstruction services to evaluate and restore lands to beneficial use, including the identification, evaluation and destruction of unexploded ordnance, both domestically and internationally; investigating, remediating, and restoring contaminated facilities at military locations in the U.S. and around the world; managing large, complex sediment remediation programs that help restore rivers and coastal waters to beneficial use; constructing state-of-the-art water treatment plants for U.S. commercial clients; and supporting utilities in the U.S. in implementing infrastructure needs.

Remediation and Construction Management

We continued to report the results of the wind-down of our non-core construction activities in the RCM reportable segment in fiscal 2020. As of September 27, 2020, there was no remaining backlog for RCM as the projects were complete.

Project Examples

Project examples are provided on our company website located at tetrattech.com, including expert interviews, in-depth articles, and project profiles that demonstrate our services across water, environment, sustainable infrastructure, energy, resource management, and international development.

Clients

We provide services to a diverse base of U.S. state and local government, U.S. federal government, U.S. commercial, and international clients. The following table presents the percentage of our revenue by client sector:

Client Sector	Fiscal Year		
	2020	2019	2018
U.S. state and local government	14.7%	18.9%	15.8%
U.S. federal government ⁽¹⁾	33.2	30.3	32.9
U.S. commercial	22.5	23.1	26.6
International ⁽²⁾	29.6	27.7	24.7
	100.0%	100.0%	100.0%

⁽¹⁾ Includes revenue generated under U.S. federal government contracts performed outside the United States.

⁽²⁾ Includes revenue generated from foreign operations, primarily in Canada, Australia, the United Kingdom, and revenue generated from non-U.S. clients.

U.S. federal government agencies are significant clients. The U.S. Agency for International Development ("USAID") accounted for 12.2%, 12.4% and 14.0% of our revenue in fiscal 2020, 2019 and 2018, respectively. The Department of Defense ("DoD") accounted for 9.2%, 7.9% and 10.0% of our revenue in fiscal 2020, 2019 and 2018, respectively. We typically support multiple programs within a single U.S. federal government agency, both domestically and internationally. We also assist U.S. state and local government clients in various jurisdictions across the United States. In Canada, we work for several provinces and various local jurisdictions. Our U.S. commercial clients include companies in the chemical, energy, mining, pharmaceutical, retail, aerospace, automotive, petroleum, and communications industries. No single client, except for U.S. federal government clients, accounted for more than 10% of our revenue in fiscal 2020.

Contracts

Our services are performed under three principal types of contracts with our clients: fixed-price, time-and-materials, and cost-plus. The following table presents the percentage of our revenue by contract type:

Contract Type	Fiscal Year		
	2020	2019	2018
Fixed-price	36.0%	33.7%	33.3%
Time-and-materials	46.5	48.6	47.1
Cost-plus	17.5	17.7	19.6
	100.0%	100.0%	100.0%

Under a fixed-price contract, clients agree to pay a specified price for our performance of the entire contract or a specified portion of the contract. Some fixed-price contracts can include date-certain and/or performance obligations. Fixed-price contracts carry certain inherent risks, including risks of losses from underestimating costs, delays in project completion, problems with new technologies, price increases for materials, and economic and other changes that may occur over the contract period. Consequently, the profitability of fixed-price contracts may vary substantially. Under time-and-materials contracts, we are paid for labor at negotiated hourly billing rates and paid for other expenses. Profitability on these contracts is driven by billable headcount and cost control. Many of our time-and-materials contracts are subject to maximum contract values and, accordingly, revenue related to these contracts is recognized as if these contracts were fixed-price contracts. Under our cost-plus contracts, some of which are subject to a contract ceiling amount, we are reimbursed for allowable costs and fees, which may be fixed or performance-based. If our costs exceed the contract ceiling or are not allowable, we may not be able to obtain full reimbursement. Further, the amount of the fee received for a cost-plus award fee contract partially depends upon the client's discretionary periodic assessment of our performance on that contract.

Some contracts with the U.S. federal government are subject to annual funding approval. U.S. federal government agencies may impose spending restrictions that limit the continued funding of our existing contracts and may limit our ability to obtain additional contracts. These limitations, if significant, could have a material adverse effect on us. All contracts with the U.S. federal government may be terminated by the government at any time, with or without cause.

U.S. federal government agencies have formal policies against continuing or awarding contracts that would create actual or potential conflicts of interest with other activities of a contractor. These policies may prevent us from bidding for or performing government contracts resulting from or related to certain work we have performed. In addition, services performed for a commercial or government sector client may create conflicts of interest that preclude or limit our ability to obtain work for a private organization. We attempt to identify actual or potential conflicts of interest and to minimize the possibility that such conflicts could affect our work under current contracts or our ability to compete for future contracts. We have, on occasion, declined to bid on a project because of an existing or potential conflict of interest.

Some of our operating units have contracts with the U.S. federal government that are subject to audit by the government, primarily the Defense Contract Audit Agency ("DCAA"). The DCAA generally seeks to (i) identify and evaluate all activities that contribute to, or have an impact on, proposed or incurred costs of government contracts; (ii) evaluate a contractor's policies, procedures, controls, and performance; and (iii) prevent or avoid wasteful, careless, and inefficient production or service. To accomplish this, the DCAA examines our internal control systems, management policies, and financial capability; evaluates the accuracy, reliability, and reasonableness of our cost representations and records; and assesses our compliance with Cost Accounting Standards ("CAS") and defective-pricing clauses found within the Federal Acquisition Regulation ("FAR"). The DCAA also performs an annual review of our overhead rates and assists in the establishment of our final rates. This review focuses on the allowability of cost items and the applicability of CAS. The DCAA also audits cost-based contracts, including the close-out of those contracts.

The DCAA reviews all types of U.S. federal government proposals, including those of award, administration, modification, and re-pricing. The DCAA considers our cost accounting system, estimating methods and procedures, and specific proposal requirements. Operational audits are also performed by the DCAA. A review of our operations at every major organizational level is conducted during the proposal review period. During the course of its audit, the U.S. federal government may disallow certain costs if it determines that we accounted for such costs in a manner inconsistent with CAS. Under a government contract, only those costs that are reasonable, allocable, and allowable are recoverable. A disallowance of costs by the U.S. federal government could have a material adverse effect on our financial results.

In accordance with our corporate policies, we maintain controls to minimize any occurrence of fraud or other unlawful activities that could result in severe legal remedies, including the payment of damages and/or penalties, criminal and civil sanctions, and debarment. In addition, we maintain preventative audit programs and mitigation measures to ensure that appropriate control systems are in place.

We provide services under contracts, purchase orders, or retainer letters. Our policy requires that all contracts must be in writing. We bill our clients in accordance with the contract terms and periodically based on costs incurred, on either an hourly-fee basis or on a percentage-of-completion basis, as the project progresses. Most of our agreements permit our clients to terminate the agreements without cause upon payment of fees and expenses through the date of the termination. Generally, our contracts do not require that we provide performance bonds. If required, a performance bond, issued by a surety company, guarantees a contractor's performance under the contract. If the contractor defaults under the contract, the surety will, at its discretion, complete the job or pay the client the amount of the bond. If the contractor does not have a performance bond and defaults in the performance of a contract, the contractor is responsible for all damages resulting from the breach of contract. These damages include the cost of completion, together with possible consequential damages such as lost profits.

Growth Strategy

Our management team establishes Tetra Tech's overall business strategy. Our strategic plan defines and guides our investment in marketing and business development to leverage our differentiators and target priority programs and growth markets. We maintain centralized business development resources to develop our corporate branding and marketing materials, support proposal preparation and planning, conduct market research, and manage promotional and professional activities, including appearances at trade shows, direct mailings, advertising, and public relations.

We have established company-wide growth initiatives that reinforce internal coordination, track the development of new programs, identify and coordinate collective resources for major bids, and help us build interdisciplinary teams and provide innovative solutions for major pursuits. Our growth initiatives provide a forum for cross-sector collaboration, access to technical solutions, and the development of interdisciplinary solutions. We continuously identify new markets that are consistent with our strategic plan and service offerings, and we leverage our full-service capabilities and internal coordination structure to develop and implement strategies to research, anticipate, and position us for future procurements and emerging programs. Our Tetra Tech Delta program facilitates access and exchange of technology solutions across our company, through the use of internal training, inventories, and facilitated virtual networking events.

Business development activities are implemented by our technical and professional management staff throughout Tetra Tech with the support of company-wide resources and expertise. Our project managers and technical staff have the best understanding of our clients' needs and the effect of local or client-specific issues, laws and regulations, and procurement procedures. Our professional staff members hold frequent meetings with existing and potential clients; give presentations to civic and professional organizations; and present seminars on research and technical applications. Essential to the effective development of business is each staff member's access to all of our service offerings through our internal Tetra Tech Delta and geographic networks. Our strong internal networking programs help our professional staff members to pursue new opportunities for both existing and new clients. These networks also facilitate our ability to provide services throughout the project life cycle from the early studies to operations and maintenance. Networking is further supported by our enterprise-wide knowledge management systems which include skills search tools, business development tracking, and collaboration tools.

To support our growth plans, we actively attract, recruit and retain key hires. Our combination of high-end science and consulting coupled with practical applications provides challenging and rewarding opportunities for our associates, thereby enhancing our ability to recruit and retain top quality talent. Our internal networking programs, leadership training, entrepreneurial environment, focus on *Leading with Science*®, and global project portfolio help to attract and retain highly qualified individuals.

Our strategic growth plans are augmented by our selective investment in acquisitions aligned with our business. Acquisitions enhance plans to add new technologies, broaden our service offerings, add contract capacity and extend our geographic presence. Our long-established experience in identifying and integrating acquisitions strengthens our ability to integrate and rapidly leverage the resources of the acquired companies post-acquisition.

Sustainability Program

Tetra Tech supports clients in more than 100 countries around the world, helping them to solve complex problems and achieve solutions that are technically, socially, and economically resilient. Our high-end consulting and engineering services focus on using innovative technologies and creative solutions to minimize environmental impacts and enhance social systems. Our greatest contribution toward sustainability is through the projects we perform every day for our clients, including recycling freshwater supplies, recycling waste products, and reducing greenhouse gas emissions. In developing countries, we also support gender equality programs, strengthen land tenure, and increase climate resiliency and adaptation. As a signatory of the United Nations Global Compact ("UNGC") on human rights, labor, environment, and anti-corruption, Tetra Tech embraces the UNGC Ten Principles as part of the strategy, culture, and daily operations of our company.

Our Sustainability Program enhances our commitment by focusing on the environmental, social, and governance impact of our business via four primary pillars: Projects – the solutions we provide for our clients; Procurement – our procurement and subcontracting approaches; Processes – the internal policies and processes that promote sustainable practices,

reduce costs, and minimize environmental impacts; and People – the 20,000 staff at Tetra Tech and our partners, clients, and communities worldwide. In addition, our program is based on the Global Reporting Initiative ("GRI") Sustainability Report Framework, the internationally accepted sustainability reporting protocol for corporate sustainability plans, which includes three fundamental areas: environmental, economic, and governance.

Our Sustainability Program is led by our Chief Sustainability Officer, who has been appointed by executive management and is supported by other key corporate and operations representatives via our Sustainability Council. We have established a clear set of metrics to evaluate our progress toward our corporate sustainability goals. Each metric corresponds with one or more performance indicators from GRI and include the following categories: environmental (greenhouse gas emissions), economic, health and safety, information technology, human resources, and real estate. We continuously implement sustainability-related policies and practices and assess the results of our efforts in order to improve upon them in the future. Our executive management team reviews and approves the Sustainability Program and evaluates our progress in achieving the goals and objectives outlined in our plan. As part of the UNGC, we fulfill the annual Communication on Progress via Tetra Tech's Sustainability Report Card that is published on Earth Day. Tetra Tech also participates in the Dow Jones Sustainability Index Corporate Sustainability Assessment.

Acquisitions and Divestitures

Acquisitions. We continuously evaluate the marketplace for acquisition opportunities to further our strategic growth plans. Due to our reputation, size, financial resources, geographic presence and range of services, we have numerous opportunities to acquire privately and publicly held companies or selected portions of such companies. We evaluate an acquisition opportunity based on its ability to strengthen our leadership in the markets we serve, the technologies and solutions they provide, and the additional new geographies and clients they bring. Also, during our evaluation, we examine an acquisition's ability to drive organic growth, its accretive effect on long-term earnings, and its ability to generate return on investment. Generally, we proceed with an acquisition if we believe that it will strategically expand our service offerings, improve our long-term financial performance, and increase shareholder returns.

We view acquisitions as a key component in the execution of our growth strategy, and we intend to use cash, debt or equity, as we deem appropriate, to fund acquisitions. We may acquire other businesses that we believe are synergistic and will ultimately increase our revenue and net income, strengthen our ability to achieve our strategic goals, provide critical mass with existing clients, and further expand our lines of service. We typically pay a purchase price that results in the recognition of goodwill, generally representing the intangible value of a successful business with an assembled workforce specialized in our areas of interest. Acquisitions are inherently risky, and no assurance can be given that our previous or future acquisitions will be successful or will not have a material adverse effect on our financial position, results of operations, or cash flows. All acquisitions require the approval of our Board of Directors.

Divestitures. We regularly review and evaluate our existing operations to determine whether our business model should change through the divestiture of certain businesses. Accordingly, from time to time, we may divest or wind-down certain non-core businesses and reallocate our resources to businesses that better align with our long-term strategic direction.

For detailed information regarding acquisitions, see Note 5, "Acquisitions and Divestitures" of the "Notes to Consolidated Financial Statements" included in Item 8.

Competition

The market for our services is generally competitive. We often compete with many other firms ranging from small regional firms to large international firms.

We perform a broad spectrum of consulting, engineering, and technical services across the water, environment, sustainable infrastructure, resource management, energy, and international development markets. Our client base includes U.S. federal government agencies such as the DoD, USAID, the U.S. Department of Energy ("DOE"), the U.S. Environmental Protection Agency ("EPA"), and the FAA; U.S. state and local government agencies; government and commercial clients in Canada, Australia, and the United Kingdom; the U.S. commercial sector, which consists primarily of large industrial companies and utilities; and our international commercial clients. Our competition varies and is a function of the business areas in which, and the client sectors for which, we perform our services. The number of competitors for any procurement can vary widely, depending upon technical qualifications, the relative value of the project, geographic location, the financial terms and risks associated with the work, and any restrictions placed upon competition by the client. Historically, clients have chosen among competing firms by weighing the quality, innovation and timeliness of the firm's service versus its cost to determine which firm offers the best value. When less work becomes available in certain markets, price could become an increasingly important factor.

Our competitors vary depending on end markets and clients, and often we may only compete with a portion of a firm. We believe that our principal competitors include the following firms, in alphabetical order: AECOM; Arcadis NV; Black & Veatch Corporation; Booz Allen Hamilton; Brown & Caldwell; CDM Smith Inc.; Chemonics International, Inc.;

Exponent, Inc.; GHD; ICF International, Inc.; Jacobs Engineering Group Inc.; Leidos, Inc.; SAIC; SNC-Lavalin Group Inc.; Stantec Inc.; TRC Companies, Inc.; Weston Solutions, Inc.; and WSP Global Inc.

Backlog

We include in our backlog only those contracts for which funding has been provided and work authorization has been received. We estimate that approximately 58% of our backlog at the end of fiscal 2020 will be recognized as revenue in fiscal 2021, as work is being performed. However, we cannot guarantee that the revenue projected in our backlog will be realized or, if realized, will result in profits. In addition, project cancellations or scope adjustments may occur with respect to contracts reflected in our backlog. For example, certain of our contracts with the U.S. federal government and other clients are terminable at the discretion of the client, with or without cause. These types of backlog reductions could adversely affect our revenue and margins. Accordingly, our backlog as of any particular date is an uncertain indicator of our future earnings.

At fiscal 2020 year-end, our backlog was \$3.2 billion, an increase of \$147.4 million, or 4.8%, compared to fiscal 2019 year-end. Approximately \$2.2 billion and \$1.0 billion of our backlog at fiscal 2020 year-end related to GSG and CIG, respectively.

Regulations

We engage in various service activities that are subject to government oversight, including environmental laws and regulations, general government procurement laws and regulations, and other regulations and requirements imposed by the specific government agencies with which we conduct business.

Environmental. A significant portion of our business involves the planning, design, program management and construction management of pollution control facilities, as well as the assessment and management of remediation activities at hazardous waste sites, U.S. Superfund sites, and military bases. In addition, we contract with U.S. federal government entities to destroy hazardous materials. These activities require us to manage, handle, remove, treat, transport, and disposal of toxic or hazardous substances.

Some environmental laws, such as the U.S. Superfund law and similar state, provincial and local statutes, can impose liability for the entire cost of clean-up for contaminated facilities or sites upon present and former owners and operators, as well as generators, transporters, and persons arranging for the treatment or disposal of such substances. In addition, while we strive to handle hazardous and toxic substances with care and in accordance with safe methods, the possibility of accidents, leaks, spills, and events of force majeure always exist. Humans exposed to these materials, including workers or subcontractors engaged in the transportation and disposal of hazardous materials and persons in affected areas, may be injured or become ill. This could result in lawsuits that expose us to liability and substantial damage awards. Liabilities for contamination or human exposure to hazardous or toxic materials, or a failure to comply with applicable regulations, could result in substantial costs, including clean-up costs, fines, civil or criminal sanctions, third party claims for property damage or personal injury, or the cessation of remediation activities.

Certain of our business operations are covered by U.S. Public Law 85-804, which provides for government indemnification against claims and damages arising out of unusually hazardous activities performed at the request of the government. Due to changes in public policies and law, however, government indemnification may not be available in the case of any future claims or liabilities relating to other hazardous activities that we perform.

Government Procurement. The services we provide to the U.S. federal government are subject to the FAR and other rules and regulations applicable to government contracts. These rules and regulations:

- require certification and disclosure of all cost and pricing data in connection with the contract negotiations under certain contract types;
- impose accounting rules that define allowable and unallowable costs and otherwise govern our right to reimbursement under certain cost-based government contracts; and
- restrict the use and dissemination of information classified for national security purposes and the exportation of certain products and technical data.

In addition, services provided to the DoD are monitored by the Defense Contract Management Agency and audited by the DCAA. Our government clients can also terminate any of their contracts, and many of our government contracts are subject to renewal or extension annually. Further, the services we provide to state and local government clients are subject to various government rules and regulations.

Seasonality

We experience seasonal trends in our business. Our revenue and operating income are typically lower in the first half of our fiscal year, primarily due to the Thanksgiving (in the U.S.), Christmas and New Year's holidays. Many of our clients'

employees, as well as our own employees, take vacations during these holiday periods. Further, seasonal inclement weather conditions occasionally cause some of our offices to close temporarily or may hamper our project field work in the northern hemisphere's temperate and arctic regions. These occurrences result in fewer billable hours worked on projects and, correspondingly, less revenue recognized.

Potential Liability and Insurance

Our business activities could expose us to potential liability under various laws and under workplace health and safety regulations. In addition, we occasionally assume liability by contract under indemnification agreements. We cannot predict the magnitude of such potential liabilities.

We maintain a comprehensive general liability insurance policy with an umbrella policy that covers losses beyond the general liability limits. We also maintain professional errors and omissions liability and contractor's pollution liability insurance policies. We believe that both policies provide adequate coverage for our business. When we perform higher-risk work, we obtain, if available, the necessary types of insurance coverage for such activities, as is typically required by our clients.

We obtain insurance coverage through a broker that is experienced in our industry. The broker and our risk manager regularly review the adequacy of our insurance coverage. Because there are various exclusions and retentions under our policies, or an insurance carrier may become insolvent, there can be no assurance that all potential liabilities will be covered by our insurance policies or paid by our carrier.

We evaluate the risk associated with insurance claims. If we determine that a loss is probable and reasonably estimable, we establish an appropriate reserve. A reserve is not established if we determine that a claim has no merit or is not probable or reasonably estimable. Our historic levels of insurance coverage and reserves have been adequate. However, partially or completely uninsured claims, if successful and of significant magnitude, could have a material adverse effect on our business.

Human Capital Management

Employees. At fiscal 2020 year-end, we had approximately 20,000 staff worldwide. A large percentage of our employees have technical and professional backgrounds and undergraduate and/or advanced degrees, including the employees of recently acquired companies. Our professional staff includes archaeologists, architects, biologists, chemical engineers, chemists, civil engineers, data scientists, computer scientists, economists, electrical engineers, environmental engineers, environmental scientists, geologists, hydrogeologists, mechanical engineers, oceanographers, project managers and toxicologists. We consider the current relationships with our employees to be favorable. We are not aware of any employment circumstances that are likely to disrupt work at any of our facilities. See Part I, Item 1A, "Risk Factors" for a discussion of the risks related to the loss of key personnel or our inability to attract and retain qualified personnel.

Diversity and Inclusion. Tetra Tech brings together engineers and technical specialists from all backgrounds to solve our clients' most challenging problems. Our Diversity and Inclusion Policy guides the Board of Directors, management, associates, subcontractors, and partners in developing an inclusive culture. Our Diversity and Inclusion Council monitors Tetra Tech's diversity and inclusion practices and makes recommendations to the Board of Directors and Chief Executive Officer for any changes or improvements to our program.

Tetra Tech values diversity and inclusion and undertakes various efforts throughout its operations to promote these initiatives. Our current efforts are focused on three primary areas:

- *Safe work environment.* We provide training to all associates to improve their understanding of behaviors that can be perceived as discriminatory, exclusionary, and/or harassing, and provide safe avenues for associates to report such behaviors.
- *Equal employment opportunity.* Tetra Tech ensures that our practices and processes attract a diverse range of candidate, and that candidates are recruited, hired, assigned, developed, and promoted based on merit and their alignment to our values.
- *Learning and development opportunities.* To support our associates in reaching their full potential, Tetra Tech offers a wide range of internal and external learning and development opportunities. Education assistance is offered to financially support associates who seek to expand their knowledge and skill base.

As part of Tetra Tech's commitment to a culture of inclusion, in fiscal 2020 we launched our Global Resource Group ("ERG") Program, which broadens and enhances company-wide interaction opportunities for our employees. Our ERG's are open to all and involve activities for both employees whose background is the focus of the ERG and those who are supportive of the group (also known as allies). These global networks build on and coordinate with the many local networks that are already active throughout our operations and include groups focused on the experiences of Black, Latino, Women, Veterans, and LGBTQ employees.

Professional Development. Tetra Tech invests in the professional development of our associates. They are provided with training in leadership development, project management skills, and interpersonal skills development. Our focused programs are designed, taught, and facilitated by Tetra Tech leadership, consistent with our commitment to talent development. These programs include the following:

- *Tetra Tech Leadership Academy.* Tetra Tech Leadership Academy develops our high-potential associates from around the world into outstanding business leaders. Instructors for this intensive, year-long program are executive management and operational leaders. Participants are immersed in all aspects of the operations of Tetra Tech and complete challenging, real-world assignments designed to hone their leadership and management skills.
- *Project Excellence Program.* Tetra Tech develops Project Managers who are world class in their abilities and performance. The program is led by our Chief Engineer and involves extensive training on how to effectively manage all components of a project.
- *Fearless Entrepreneur Program.* Tetra Tech develops into client-oriented, business-minded professionals who are driven to understand and meet the needs of our clients. Developing professionals are challenged and mentored through a process of building client relationships. Participants take part in group discussions in a classroom setting and then are required to implement learned strategies with actual and potential clients.
- *Tetra Tech Technology Transfer (T4) and ToolTalk Webcast Series.* Tetra Tech holds webcasts to help associates around the world share technical resources and enhance their use of available internal tools and to provide better service to clients. Through the T4 and ToolTalk Webcast Series, Tetra Tech experts present and lead discussions about new technologies and programs, best practices, and opportunities for growth across our company.

By offering our associates meaningful work and career development, Tetra Tech is well positioned to continue its growth through recruitment, development, and retention of the best talent in the industry.

Executive Officers of the Registrant

The following table shows the name, age and position of each of our executive officers at November 20, 2020:

Name	Age	Position
Dan L. Batrack	62	Chairman and Chief Executive Officer
<p>Mr. Batrack joined our predecessor in 1980 and was named Chairman in January 2008. He has served as our Chief Executive Officer and a director since November 2005, and as our President from October 2008 to September 2019. Mr. Batrack has served in numerous capacities over the last 40 years, including arctic research scientist, deep water oceanographic hydrographer, coastal hydrodynamic modeler, environmental data analyst, project and program manager, President of the Engineering Division, and in 2004 he was appointed Chief Operating Officer. He has managed complex programs for many small and Fortune 500 clients, both in the United States and internationally. Mr. Batrack holds a B.A. degree in Business Administration from the University of Washington.</p>		
Leslie L. Shoemaker	63	President
<p>Dr. Shoemaker was appointed President in September 2019, having previously served as President of WEI Business Group from April 2015 to November 2017, and CIG from November 2017 to September 2019. Dr. Shoemaker joined us in 1991, and has served in various management capacities, including project and program manager, water resources manager and infrastructure group president. From 2005 to 2015, she led our strategic planning, business development and company-wide collaboration programs. Her technical expertise is in the management of large-scale watershed and master planning studies, development of modeling tools and application of optimization tools for decision making. Additionally, she is our Chief Sustainability Officer who leads our Sustainability Council to implement sustainability-related policies and practices company-wide. Dr. Shoemaker holds a B.A. degree in Mathematics from Hamilton College, a Master of Engineering from Cornell University and a Ph.D. in Agricultural Engineering from the University of Maryland.</p>		
Steven M. Burdick	56	Executive Vice President, Chief Financial Officer
<p>Mr. Burdick has served as our Executive Vice President, Chief Financial Officer since April 2011. He served as our Senior Vice President and Corporate Controller from January 2004 to March 2011. Mr. Burdick joined us in April 2003 as Vice President, Management Audit. Previously, Mr. Burdick served in senior financial and executive positions with Aura Systems, Inc., TRW Ventures, and Ernst & Young LLP. Mr. Burdick holds a B.S. degree in Business Administration from Santa Clara University and is a Certified Public Accountant.</p>		

Name	Age	Position
Derek G. Amidon	53	Senior Vice President, President of CIG and the Client Account Management Division of CIG
<p>Mr. Amidon was appointed President of CIG in September 2019, in addition to his role as President of CIG's Client Account Management Division. Mr. Amidon has served as a project manager, key account manager, operations manager, and regional manager since joining us in 2012. He has managed a variety of complex, high profile programs for key clients, including Fortune 100 companies. His focus has been on leading high value consulting services that deliver scientific, engineering and regulatory solutions for challenging environmental, engineering, permitting and public relations problems for energy, industrial, institutional and custodial trust clients. He has managed projects in the U.S., Africa, Australia, Europe, and the Caribbean. In addition to experience in both public and private consulting and engineering firms over his 24-year career, Mr. Amidon also served in a variety of business leadership and project development roles at Hess Corporation, a leading independent oil and gas company. Mr. Amidon is a registered Professional Engineer. He holds B.S. and M.S. degrees in Civil Engineering from Brigham Young University and a M.S. in Management from Rensselaer Polytechnic Institute.</p>		
Roger R. Argus	59	Senior Vice President, President of GSG and the U.S. Government Division of GSG
<p>Mr. Argus is a chemical engineer with 35 years of experience, including 27 years with us in operational leadership, program and project management, and quality assurance for projects encompassing a broad spectrum of environmental, engineering, information technology, and disaster management services. Mr. Argus has also been responsible for managing multidisciplinary contracts and projects in support of the U.S. federal government (i.e., Navy, the U.S. Army Corps of Engineers ("USACE"), and the EPA), state and municipal agencies, and private clients nationwide. The scope of his technical experience includes planning and directing environmental programs, developing data acquisition, management and analytics solutions, fund research and development support for innovative environmental technologies and waste treatment systems, municipal resiliency, and sustainability programs. Mr. Argus holds a B.S. in Chemical Engineering from California State University, Long Beach.</p>		
William R. Brownlie	67	Senior Vice President, Chief Engineer and Corporate Risk Management Officer
<p>Dr. Brownlie was named Senior Vice President and Chief Engineer in September 2009, and Corporate Risk Management Officer in November 2013. From December 2005 to September 2009, he served as a Group President. Dr. Brownlie joined our predecessor in 1981 and was named a Senior Vice President in December 1993. Dr. Brownlie has managed various operating units and programs focusing on water resources and environmental services, including work with USACE, the U.S. Air Force, the U.S. Bureau of Reclamation and DOE. He is a registered professional engineer and has a strong technical background in water resources. Dr. Brownlie holds B.S. and M.S. degrees in Civil Engineering from the State University of New York at Buffalo and a Ph.D. in Civil Engineering from the California Institute of Technology.</p>		

Name	Age	Position
Brian N. Carter	53	Senior Vice President, Corporate Controller and Chief Accounting Officer
<p>Mr. Carter joined us as Vice President, Corporate Controller and Chief Accounting Officer in June 2011 and was appointed Senior Vice President in October 2012. Previously, Mr. Carter served in finance and auditing positions in private industry and with Ernst & Young LLP. Mr. Carter holds a B.S. in Business Administration from Miami University and is a Certified Public Accountant.</p>		
Craig L. Christensen	67	Senior Vice President, Chief Information Officer
<p>Mr. Christensen joined us in 1998 through the acquisition of our Tetra Tech NUS, Inc. ("NUS") subsidiary. He is responsible for our information services and technologies, including the implementation of our enterprise resource planning system. Previously, Mr. Christensen held positions at NUS, Brown and Root Services, and Landmark Graphics subsidiaries of Halliburton Company where his responsibilities included contracts administration, finance, and system development. Prior to his service at Halliburton, Mr. Christensen held positions at Burroughs Corporation and Apple Computer. Mr. Christensen holds B.A. and M.B.A. degrees from Brigham Young University.</p>		
Preston Hopson	44	Senior Vice President, General Counsel and Secretary
<p>Mr. Hopson was appointed Senior Vice President, General Counsel and Secretary to the Board of Directors in January 2018. He also serves as the Chief Compliance Officer. For the prior 10 years, Mr. Hopson served as Vice President, Assistant General Counsel and Assistant Corporate Secretary at the engineering and infrastructure firm AECOM. Prior to this, he was a Senior Associate at the law firm O'Melveny & Myers LLP. Mr. Hopson began his career as a judicial clerk on the U.S. Court of Appeals for the Ninth Circuit. Mr. Hopson holds B.A. and J.D. degrees from Yale University.</p>		
Richard A. Lemmon	61	Senior Vice President, Corporate Administration
<p>Mr. Lemmon joined our predecessor in 1981 in a technical capacity and became a member of its corporate staff in a management position in 1985. In 1988, at the time of our predecessor's divestiture from Honeywell, Inc., Mr. Lemmon structured and managed many of our corporate functions. He is currently responsible for insurance, health and safety and facilities.</p>		
Brendan M. O'Rourke	47	Senior Vice President, Enterprise Risk Management
<p>Mr. O'Rourke joined us in January 2018 as Vice President, Enterprise Risk Management and was appointed Senior Vice President, Enterprise Risk Management in November 2018. For the prior 10 years, Mr. O'Rourke served as Assistant Vice President of Professional Liability Claims at AIG. Prior to this, he was a Senior Associate at the law firm of Seyfarth Shaw in Boston, Massachusetts. Mr. O'Rourke has more than twenty years of experience in risk management, contract negotiation, claim resolution and litigation within the construction industry. Mr. O'Rourke holds a J.D. from Suffolk Law School and a B.A. from Worcester State University.</p>		

Name	Age	Position
Mark A. Rynning	59	Senior Vice President, President of the Resilient and Sustainable Infrastructure Division of GSG

Mr. Rynning has more than 30 years of engineering consulting experience with us. He is a registered professional engineer and has served us in numerous capacities including project manager, operations manager, and operating unit leader. He has managed large water infrastructure programs for state and local agencies throughout the United States. Mr. Rynning has broad experience in planning and design of water and wastewater infrastructure, utility master planning, and design of water and wastewater transmission and collection systems. In addition, Mr. Rynning has planned and designed reverse osmosis water treatment plants and advanced wastewater treatment systems. He has provided expert advisory services to numerous municipal clients for utility system acquisitions. He holds a B.S. in Civil Engineering and a Master of Business Administration, both from the University of Florida.

Bernard Teufele	55	Senior Vice President, President of the Canada and South America Division of CIG
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Mr. Teufele joined us through an acquisition in 2010. He has over 22 years of consulting engineering experience as a leader of a highly diversified, high-end infrastructure practice and as a technical expert in the field of infrastructure monitoring and asset management. Prior to his current role, Mr. Teufele has managed operating units of increasing size and complexity with a primary focus on infrastructure, environmental sciences, civil transportation, and mining-related services doing work for municipal, provincial, and federal government clients in Canada. He has managed key provincial infrastructure programs in Canada with a particular focus on the monitoring and assessment of roadway infrastructure and the development of asset management programs. Mr. Teufele has a B.Sc. in Applied Science from the University of British Columbia.

Available Information

Our website address is www.tetrattech.com. We made available, free electronic copies of our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and all amendments to those reports through the “Investor Relations” portion of our website, under the heading “SEC Filings” filed under “Financial Information.” These reports are available on our website as soon as reasonably practicable after we electronically file them with the Securities and Exchange Commission (“SEC”). These reports, and any amendments to them, are also available at the Internet website of the SEC, <http://www.sec.gov>. Also available on our website are our Corporate Governance Policies, Board Committees, Corporate Code of Conduct and Finance Code of Professional Conduct.

Item 1A. Risk Factors

We operate in a changing environment that involves numerous known and unknown risks and uncertainties that could materially adversely affect our operations. Set forth below and elsewhere in this report and in other documents we file with the SEC are descriptions of the risks and uncertainties that could cause our actual results to differ materially from the results contemplated by the forward-looking statements contained in this report. Additional risks we do not yet know of or that we currently think are immaterial may also affect our business operations. If any of the events or circumstances described in the following risks actually occurs, our business, financial condition or results of operations could be materially adversely affected.

Business and Operations Risk Factors

Our results of operations could be adversely affected by the coronavirus disease 2019 ("COVID-19") pandemic.

The global spread of the COVID-19 pandemic has created significant volatility, uncertainty and economic disruption. The extent to which the COVID-19 pandemic continues to impact our business, operations and financial results will depend on numerous evolving factors that we may not be able to accurately predict, including: the duration and scope of the pandemic; governmental, business and individuals’ actions that have been and continue to be taken in response to the pandemic; the impact of the pandemic on economic activity and actions taken in response; the effect on our clients’ demand for our services; our ability to provide our services, including as a result of more severe or prolonged travel restrictions and people working from home; the ability of our clients to pay for our services or their need to seek reductions of our fees; any closures of our and our clients’ offices and facilities; and the need for enhanced health and hygiene requirements or social distancing or other measures in attempts to counteract future outbreaks in our offices and facilities. Clients may also slow down decision-making, delay planned work or seek to terminate existing agreements. In addition, while governments around the world have enacted emergency relief programs designed to combat the economic impact of the pandemic, the long-term effect of such spending is uncertain and could result in future budgetary restrictions for our government clients. Any of these events could adversely affect our business, financial condition and results of operations.

Continuing worldwide political, social and economic uncertainties may adversely affect our revenue and profitability.

The last several years have been periodically marked by political, social and economic concerns, including decreased consumer confidence, the lingering effects of international conflicts, energy costs and inflation. Although certain indices and economic data have shown signs of stabilization in the United States and certain global markets, there can be no assurance that these improvements will be broad-based or sustainable. This instability can make it extremely difficult for our clients, our vendors and us to accurately forecast and plan future business activities, and could cause constrained spending on our services, delays and a lengthening of our business development efforts, the demand for more favorable pricing or other terms, and/or difficulty in collection of our accounts receivable. Our government clients may face budget deficits that prohibit them from funding proposed and existing projects. Further, ongoing economic instability in the global markets could limit our ability to access the capital markets at a time when we would like, or need, to raise capital, which could have an impact on our ability to react to changing business conditions or new opportunities. If economic conditions remain uncertain or weaken, or government spending is reduced, our revenue and profitability could be adversely affected.

Changes in tax laws could increase our tax rate and materially affect our results of operations.

We are subject to tax laws in the United States and numerous foreign jurisdictions. The incoming U.S. presidential administration has called for changes to fiscal and tax policies, which may include comprehensive tax reform. In addition, many international legislative and regulatory bodies have proposed and/or enacted legislation that could significantly impact how U.S. multinational corporations are taxed on foreign earnings. Many of these proposed and enacted changes to the taxation of our activities could increase our effective tax rate and harm our results of operations.

Demand for our services is cyclical and vulnerable to economic downturns. If economic growth slows, government fiscal conditions worsen, or client spending declines further, then our revenue, profits and financial condition may deteriorate.

Demand for our services is cyclical, and vulnerable to economic downturns and reductions in government and private industry spending. Such downturns or reductions may result in clients delaying, curtailing or canceling proposed and existing projects. Our business traditionally lags the overall recovery in the economy; therefore, our business may not recover

immediately when the economy improves. If economic growth slows, government fiscal conditions worsen, or client spending declines, then our revenue, profits and overall financial condition may deteriorate. Our government clients may face budget deficits that prohibit them from funding new or existing projects. In addition, our existing and potential clients may either postpone entering into new contracts or request price concessions. Difficult financing and economic conditions may cause some of our clients to demand better pricing terms or delay payments for services we perform, thereby increasing the average number of days our receivables are outstanding, and the potential of increased credit losses of uncollectible invoices. Further, these conditions may result in the inability of some of our clients to pay us for services that we have already performed. If we are not able to reduce our costs quickly enough to respond to the revenue decline from these clients, our operating results may be adversely affected. Accordingly, these factors affect our ability to forecast our future revenue and earnings from business areas that may be adversely impacted by market conditions.

Our international operations expose us to legal, political, and economic risks in different countries as well as currency exchange rate fluctuations that could harm our business and financial results.

In fiscal 2020, we generated 29.6% of our revenue from our international operations, primarily in Canada, Australia, the United Kingdom and from international clients for work that is performed by our domestic operations. International business is subject to a variety of risks, including:

- imposition of governmental controls and changes in laws, regulations, or policies;
- lack of developed legal systems to enforce contractual rights;
- greater risk of uncollectible accounts and longer collection cycles;
- currency exchange rate fluctuations, devaluations, and other conversion restrictions;
- uncertain and changing tax rules, regulations, and rates;
- the potential for civil unrest, acts of terrorism, force majeure, war or other armed conflict, and greater physical security risks, which may cause us to have to leave a country quickly;
- logistical and communication challenges;
- changes in regulatory practices, including tariffs and taxes;
- changes in labor conditions;
- general economic, political, and financial conditions in foreign markets; and
- exposure to civil or criminal liability under the U.S. Foreign Corrupt Practices Act ("FCPA"), the U.K. Bribery Act, the Canadian Corruption of Foreign Public Officials Act, the Brazilian Clean Companies Act, the anti-boycott rules, trade and export control regulations, as well as other international regulations.

For example, the Province of Quebec has adopted legislation that requires businesses and individuals seeking contracts with governmental bodies be certified by a Quebec regulatory authority for contracts over a specified size. Our failure to maintain certification could adversely affect our business.

International risks and violations of international regulations may significantly reduce our revenue and profits, and subject us to criminal or civil enforcement actions, including fines, suspensions, or disqualification from future U.S. federal procurement contracting. Although we have policies and procedures to monitor legal and regulatory compliance, our employees, subcontractors, and agents could take actions that violate these requirements. As a result, our international risk exposure may be more or less than the percentage of revenue attributed to our international operations.

The United Kingdom's withdrawal from the European Union could have an adverse effect on our business and financial results.

In March 2017, the United Kingdom government initiated a process to withdraw from the European Union ("Brexit") and began negotiating the terms of the separation. Brexit has created substantial economic and political uncertainty and volatility in currency exchange rates, and the terms of the United Kingdom's withdrawal from the European Union remain uncertain. The uncertainty created by Brexit may cause our customers to closely monitor their costs and reduce demand for our services and may ultimately result in new legal regulatory and cost challenges for our United Kingdom and global operations. Any of these events could adversely affect our United Kingdom, European and overall business and financial results.

We derive a substantial amount of our revenue from U.S. federal, state and local government agencies, and any disruption in government funding or in our relationship with those agencies could adversely affect our business.

In fiscal 2020, we generated 47.9% of our revenue from contracts with U.S. federal, and state and local government agencies. A significant amount of this revenue is derived under multi-year contracts, many of which are appropriated on an annual basis. As a result, at the beginning of a project, the related contract may be only partially funded, and additional funding is normally committed only as appropriations are made in each subsequent year. These appropriations, and the timing of

payment of appropriated amounts, may be influenced by numerous factors as noted below. Our backlog includes only the projects that have funding appropriated.

The demand for our U.S. government-related services is generally driven by the level of government program funding. Accordingly, the success and further development of our business depends, in large part, upon the continued funding of these U.S. government programs, and upon our ability to obtain contracts and perform well under these programs. Under the Budget Control Act of 2011, an automatic sequestration process, or across-the-board budget cuts (a large portion of which was defense-related), was triggered. The sequestration began on March 1, 2013. Although the Bipartisan Budget Act of 2013 provided some sequester relief through the end of fiscal year 2015, the sequestration requires reduced U.S. federal government spending through fiscal year 2021. A significant reduction in federal government spending, the absence of a bipartisan agreement on the federal government budget, a partial or full federal government shutdown, or a change in budgetary priorities could reduce demand for our services, cancel or delay federal projects, result in the closure of federal facilities and significant personnel reductions, and have a material and adverse impact on our business, financial condition, results of operations and cash flows.

There are several additional factors that could materially affect our U.S. government contracting business, which could cause U.S. government agencies to delay or cancel programs, to reduce their orders under existing contracts, to exercise their rights to terminate contracts or not to exercise contract options for renewals or extensions. Such factors, which include the following, could have a material adverse effect on our revenue or the timing of contract payments from U.S. government agencies:

- the failure of the U.S. government to complete its budget and appropriations process before its fiscal year-end;
- changes in and delays or cancellations of government programs, procurements, requirements or appropriations;
- budget constraints or policy changes resulting in delay or curtailment of expenditures related to the services we provide;
- re-competes of government contracts;
- the timing and amount of tax revenue received by federal, state and local governments, and the overall level of government expenditures;
- curtailment in the use of government contracting firms;
- delays associated with insufficient numbers of government staff to oversee contracts;
- the increasing preference by government agencies for contracting with small and disadvantaged businesses;
- competing political priorities and changes in the political climate regarding the funding or operation of the services we provide;
- the adoption of new laws or regulations affecting our contracting relationships with the federal, state or local governments;
- unsatisfactory performance on government contracts by us or one of our subcontractors, negative government audits or other events that may impair our relationship with federal, state or local governments;
- a dispute with or improper activity by any of our subcontractors; and
- general economic or political conditions.

Our inability to win or renew U.S. government contracts during regulated procurement processes could harm our operations and significantly reduce or eliminate our profits.

U.S. government contracts are awarded through a regulated procurement process. The U.S. federal government has increasingly relied upon multi-year contracts with pre-established terms and conditions, such as indefinite delivery/indefinite quantity (“IDIQ”) contracts, which generally require those contractors who have previously been awarded the IDIQ to engage in an additional competitive bidding process before a task order is issued. As a result, new work awards tend to be smaller and of shorter duration, since the orders represent individual tasks rather than large, programmatic assignments. In addition, we believe that there has been an increase in the award of federal contracts based on a low-price, technically acceptable criteria emphasizing price over qualitative factors, such as past performance. As a result, pricing pressure may reduce our profit margins on future federal contracts. The increased competition and pricing pressure, in turn, may require us to make sustained efforts to reduce costs in order to realize revenue, and profits under government contracts. If we are not successful in reducing the amount of costs we incur, our profitability on government contracts will be negatively impacted. Moreover, even if we are qualified to work on a government contract, we may not be awarded the contract because of existing government policies designed to protect small businesses and under-represented minority contractors. Our inability to win or renew government contracts during regulated procurement processes could harm our operations and significantly reduce or eliminate our profits.

Each year, client funding for some of our U.S. government contracts may rely on government appropriations or public-supported financing. If adequate public funding is delayed or is not available, then our profits and revenue could decline.

Each year, client funding for some of our U.S. government contracts may directly or indirectly rely on government appropriations or public-supported financing. Legislatures may appropriate funds for a given project on a year-by-year basis, even though the project may take more than one year to perform. In addition, public-supported financing such as U.S. state and local municipal bonds may be only partially raised to support existing projects. Similarly, an economic downturn may make it more difficult for U.S. state and local governments to fund projects. In addition to the state of the economy and competing political priorities, public funds and the timing of payment of these funds may be influenced by, among other things, curtailments in the use of government contracting firms, increases in raw material costs, delays associated with insufficient numbers of government staff to oversee contracts, budget constraints, the timing and amount of tax receipts, and the overall level of government expenditures. If adequate public funding is not available or is delayed, then our profits and revenue could decline.

Our U.S. federal government contracts may give government agencies the right to modify, delay, curtail, renegotiate, or terminate existing contracts at their convenience at any time prior to their completion, which may result in a decline in our profits and revenue.

U.S. federal government projects in which we participate as a contractor or subcontractor may extend for several years. Generally, government contracts include the right to modify, delay, curtail, renegotiate, or terminate contracts and subcontracts at the government's convenience any time prior to their completion. Any decision by a U.S. federal government client to modify, delay, curtail, renegotiate, or terminate our contracts at their convenience may result in a decline in our profits and revenue.

As a U.S. government contractor, we must comply with various procurement laws and regulations and are subject to regular government audits; a violation of any of these laws and regulations or the failure to pass a government audit could result in sanctions, contract termination, forfeiture of profit, harm to our reputation or loss of our status as an eligible government contractor and could reduce our profits and revenue.

We must comply with and are affected by U.S. federal, state, local, and foreign laws and regulations relating to the formation, administration and performance of government contracts. For example, we must comply with FAR, the Truth in Negotiations Act, CAS, the American Recovery and Reinvestment Act of 2009, the Services Contract Act, and the DoD security regulations, as well as many other rules and regulations. In addition, we must comply with other government regulations related to employment practices, environmental protection, health and safety, tax, accounting, and anti-fraud measures, as well as many other regulations in order to maintain our government contractor status. These laws and regulations affect how we do business with our clients and, in some instances, impose additional costs on our business operations. Although we take precautions to prevent and deter fraud, misconduct, and non-compliance, we face the risk that our employees or outside partners may engage in misconduct, fraud, or other improper activities. U.S. government agencies, such as the DCAA, routinely audit and investigate government contractors. These government agencies review and audit a government contractor's performance under its contracts and cost structure, and evaluate compliance with applicable laws, regulations, and standards. In addition, during the course of its audits, the DCAA may question our incurred project costs. If the DCAA believes we have accounted for such costs in a manner inconsistent with the requirements for FAR or CAS, the DCAA auditor may recommend to our U.S. government corporate administrative contracting officer that such costs be disallowed. Historically, we have not experienced significant disallowed costs as a result of government audits. However, we can provide no assurance that the DCAA or other government audits will not result in material disallowances for incurred costs in the future. In addition, U.S. government contracts are subject to various other requirements relating to the formation, administration, performance, and accounting for these contracts. We may also be subject to *qui tam* litigation brought by private individuals on behalf of the U.S. government under the Federal Civil False Claims Act, which could include claims for treble damages. For example, as discussed elsewhere in this report, on January 14, 2019, the Civil Division of the United States Attorney's Office filed complaints in intervention in three *qui tam* actions filed against our subsidiary, Tetra Tech EC, Inc., in the U.S. District Court for the Northern District of California. U.S. government contract violations could result in the imposition of civil and criminal penalties or sanctions, contract termination, forfeiture of profit, and/or suspension of payment, any of which could make us lose our status as an eligible government contractor. We could also suffer serious harm to our reputation. Any interruption or termination of our U.S. government contractor status could reduce our profits and revenue significantly.

If we extend a significant portion of our credit to clients in a specific geographic area or industry, we may experience disproportionately high levels of collection risk and nonpayment if those clients are adversely affected by factors particular to their geographic area or industry.

Our clients include public and private entities that have been, and may continue to be, negatively impacted by the changing landscape in the global economy. While outside of the U.S. federal government no one client accounted for over 10%

of our revenue for fiscal 2020, we face collection risk as a normal part of our business where we perform services and subsequently bill our clients for such services. In the event that we have concentrated credit risk from clients in a specific geographic area or industry, continuing negative trends or a worsening in the financial condition of that specific geographic area or industry could make us susceptible to disproportionately high levels of default by those clients. Such defaults could materially adversely impact our revenues and our results of operations.

We have made and expect to continue to make acquisitions. Acquisitions could disrupt our operations and adversely impact our business and operating results. Our failure to conduct due diligence effectively, or our inability to successfully integrate acquisitions, could impede us from realizing all of the benefits of the acquisitions, which could weaken our results of operations.

A key part of our growth strategy is to acquire other companies that complement our lines of business or that broaden our technical capabilities and geographic presence. However, our ability to make acquisitions is restricted under our credit agreement. Acquisitions involve certain known and unknown risks that could cause our actual growth or operating results to differ from our expectations or the expectations of securities analysts. For example:

- we may not be able to identify suitable acquisition candidates or to acquire additional companies on acceptable terms;
- we are pursuing international acquisitions, which inherently pose more risk than domestic acquisitions;
- we compete with others to acquire companies, which may result in decreased availability of, or increased price for, suitable acquisition candidates;
- we may not be able to obtain the necessary financing, on favorable terms or at all, to finance any of our potential acquisitions;
- we may ultimately fail to consummate an acquisition even if we announce that we plan to acquire a company; and
- acquired companies may not perform as we expect, and we may fail to realize anticipated revenue and profits.

If we fail to conduct due diligence on our potential targets effectively, we may, for example, not identify problems at target companies, or fail to recognize incompatibilities or other obstacles to successful integration. The integration process may disrupt our business and, if implemented ineffectively, may preclude realization of the full benefits expected by us and could harm our results of operations. In addition, the overall integration of the combining companies may result in unanticipated problems, expenses, liabilities, and competitive responses, and may cause our stock price to decline. The difficulties of integrating an acquisition include, among others:

- issues in integrating information, communications, and other systems;
- incompatibility of logistics, marketing, and administration methods;
- maintaining employee morale and retaining key employees;
- integrating the business cultures of both companies;
- preserving important strategic client relationships;
- consolidating corporate and administrative infrastructures, and eliminating duplicative operations; and
- coordinating and integrating geographically separate organizations.

In addition, even if the operations of an acquisition are integrated successfully, we may not realize the full benefits of the acquisition, including the synergies, cost savings or growth opportunities that we expect. These benefits may not be achieved within the anticipated time frame, or at all.

Further, acquisitions may cause us to:

- issue common stock that would dilute our current stockholders' ownership percentage;
- use a substantial portion of our cash resources;
- increase our interest expense, leverage, and debt service requirements (if we incur additional debt to fund an acquisition);
- assume liabilities, including undisclosed, contingent or environmental liabilities, for which we do not have indemnification from the former owners. Further, indemnification obligations may be subject to dispute or concerns regarding the creditworthiness of the former owners;
- record goodwill and non-amortizable intangible assets that are subject to impairment testing and potential impairment charges;
- experience volatility in earnings due to changes in contingent consideration related to acquisition earn-out liability estimates;

- incur amortization expenses related to certain intangible assets;
- lose existing or potential contracts as a result of conflict of interest issues;
- incur large and immediate write-offs; or
- become subject to litigation.

Finally, acquired companies that derive a significant portion of their revenue from the U.S. federal government and do not follow the same cost accounting policies and billing practices that we follow may be subject to larger cost disallowances for greater periods than we typically encounter. If we fail to determine the existence of unallowable costs and do not establish appropriate reserves at acquisition, we may be exposed to material unanticipated liabilities, which could have a material adverse effect on our business.

If our goodwill or intangible assets become impaired, then our profits may be significantly reduced.

Because we have historically acquired a significant number of companies, goodwill and intangible assets represent a substantial portion of our assets. As of September 27, 2020, our goodwill was \$993.5 million and other intangible assets were \$13.9 million. We are required to perform a goodwill impairment test for potential impairment at least on an annual basis. We also assess the recoverability of the unamortized balance of our intangible assets when indications of impairment are present based on expected future profitability and undiscounted expected cash flows and their contribution to our overall operations. The goodwill impairment test requires us to determine the fair value of our reporting units, which are the components one level below our reportable segments. In determining fair value, we make significant judgments and estimates, including assumptions about our strategic plans with regard to our operations. We also analyze current economic indicators and market valuations to help determine fair value. To the extent economic conditions that would impact the future operations of our reporting units change, our goodwill may be deemed to be impaired, and we would be required to record a non-cash charge that could result in a material adverse effect on our financial position or results of operations. For example, we had goodwill impairment of \$15.8 million and \$7.8 million in fiscal 2020 and 2019, respectively. We had no goodwill impairment in fiscal 2018.

We could be adversely affected by violations of the FCPA and similar worldwide anti-bribery laws.

The FCPA and similar anti-bribery laws generally prohibit companies and their intermediaries from making improper payments to foreign government officials for the purpose of obtaining or retaining business. The U.K. Bribery Act of 2010 prohibits both domestic and international bribery, as well as bribery across both private and public sectors. In addition, an organization that “fails to prevent bribery” by anyone associated with the organization can be charged under the U.K. Bribery Act unless the organization can establish the defense of having implemented “adequate procedures” to prevent bribery. Improper payments are also prohibited under the Canadian Corruption of Foreign Public Officials Act and the Brazilian Clean Companies Act. Local business practices in many countries outside the United States create a greater risk of government corruption than that found in the United States and other more developed countries. Our policies mandate compliance with anti-bribery laws, and we have established policies and procedures designed to monitor compliance with anti-bribery law requirements; however, we cannot ensure that our policies and procedures will protect us from potential reckless or criminal acts committed by individual employees or agents. If we are found to be liable for anti-bribery law violations, we could suffer from criminal or civil penalties or other sanctions that could have a material adverse effect on our business.

We could be adversely impacted if we fail to comply with domestic and international export laws.

To the extent we export technical services, data and products outside of the United States, we are subject to U.S. and international laws and regulations governing international trade and exports, including but not limited to the International Traffic in Arms Regulations, the Export Administration Regulations, and trade sanctions against embargoed countries. A failure to comply with these laws and regulations could result in civil or criminal sanctions, including the imposition of fines, the denial of export privileges, and suspension or debarment from participation in U.S. government contracts, which could have a material adverse effect on our business.

If we fail to complete a project in a timely manner, miss a required performance standard, or otherwise fail to adequately perform on a project, then we may incur a loss on that project, which may reduce or eliminate our overall profitability.

Our engagements often involve large-scale, complex projects. The quality of our performance on such projects depends in large part upon our ability to manage the relationship with our clients and our ability to effectively manage the project and deploy appropriate resources, including third-party contractors and our own personnel, in a timely manner. We may commit to a client that we will complete a project by a scheduled date. We may also commit that a project, when completed, will achieve specified performance standards. If the project is not completed by the scheduled date or fails to meet required performance standards, we may either incur significant additional costs or be held responsible for the costs incurred by the client to rectify damages due to late completion or failure to achieve the required performance standards. The uncertainty of the timing of a project can present difficulties in planning the amount of personnel needed for the project. If the project is delayed

or canceled, we may bear the cost of an underutilized workforce that was dedicated to fulfilling the project. In addition, performance of projects can be affected by a number of factors beyond our control, including unavoidable delays from government inaction, public opposition, inability to obtain financing, weather conditions, unavailability of vendor materials, changes in the project scope of services requested by our clients, industrial accidents, environmental hazards, and labor disruptions. To the extent these events occur, the total costs of the project could exceed our estimates, and we could experience reduced profits or, in some cases, incur a loss on a project, which may reduce or eliminate our overall profitability. Further, any defects or errors, or failures to meet our clients' expectations, could result in claims for damages against us. Failure to meet performance standards or complete performance on a timely basis could also adversely affect our reputation.

The loss of key personnel or our inability to attract and retain qualified personnel could impair our ability to provide services to our clients and otherwise conduct our business effectively.

As primarily a professional and technical services company, we are labor-intensive and, therefore, our ability to attract, retain, and expand our senior management and our professional and technical staff is an important factor in determining our future success. The market for qualified scientists and engineers is competitive and, from time to time, it may be difficult to attract and retain qualified individuals with the required expertise within the timeframe demanded by our clients. For example, some of our U.S. government contracts may require us to employ only individuals who have particular government security clearance levels. In addition, if we are unable to retain executives and other key personnel, the roles and responsibilities of those employees will need to be filled, which may require that we devote time and resources to identify, hire, and integrate new employees. The loss of the services of any of these key personnel could adversely affect our business. Our failure to attract and retain key individuals could impair our ability to provide services to our clients and conduct our business effectively.

Our revenue and growth prospects may be harmed if we or our employees are unable to obtain government granted eligibility or other qualifications we and they need to perform services for our customers.

A number of government programs require contractors to have certain kinds of government granted eligibility, such as security clearance credentials. Depending on the project, eligibility can be difficult and time-consuming to obtain. If we or our employees are unable to obtain or retain the necessary eligibility, we may not be able to win new business, and our existing customers could terminate their contracts with us or decide not to renew them. To the extent we cannot obtain or maintain the required security clearances for our employees working on a particular contract, we may not derive the revenue or profit anticipated from such contract.

Our actual business and financial results could differ from the estimates and assumptions that we use to prepare our consolidated financial statements, which may significantly reduce or eliminate our profits.

To prepare consolidated financial statements in conformity with generally accepted accounting principles in the U.S. ("U.S. GAAP"), management is required to make estimates and assumptions as of the date of the consolidated financial statements. These estimates and assumptions affect the reported values of assets, liabilities, revenue and expenses, as well as disclosures of contingent assets and liabilities. For example, we typically recognize revenue over the life of a contract based on the proportion of costs incurred to date compared to the total costs estimated to be incurred for the entire project. Areas requiring significant estimates by our management include:

- the application of the percentage-of-completion method of accounting and revenue recognition on contracts, change orders, and contract claims, including related unbilled accounts receivable;
- unbilled accounts receivable, including amounts related to requests for equitable adjustment to contracts that provide for price redetermination, primarily with the U.S. federal government. These amounts are recorded only when they can be reliably estimated, and realization is probable;
- provisions for uncollectible receivables, client claims, and recoveries of costs from subcontractors, vendors, and others;
- provisions for income taxes, research and development tax credits, valuation allowances, and unrecognized tax benefits;
- value of goodwill and recoverability of intangible assets;
- valuations of assets acquired and liabilities assumed in connection with business combinations;
- valuation of contingent earn-out liabilities recorded in connection with business combinations;
- valuation of employee benefit plans;
- valuation of stock-based compensation expense; and
- accruals for estimated liabilities, including litigation and insurance reserves.

Our actual business and financial results could differ from those estimates, which may significantly reduce or eliminate our profits.

Our profitability could suffer if we are not able to maintain adequate utilization of our workforce.

The cost of providing our services, including the extent to which we utilize our workforce, affects our profitability. The rate at which we utilize our workforce is affected by a number of factors, including:

- our ability to transition employees from completed projects to new assignments and to hire and assimilate new employees;
- our ability to forecast demand for our services and thereby maintain an appropriate headcount in each of our geographies and operating units;
- our ability to engage employees in assignments during natural disasters or pandemics;
- our ability to manage attrition;
- our need to devote time and resources to training, business development, professional development, and other non-chargeable activities; and
- our ability to match the skill sets of our employees to the needs of the marketplace.

If we over-utilize our workforce, our employees may become disengaged, which could impact employee attrition. If we under-utilize our workforce, our profit margin and profitability could suffer.

Our use of the percentage-of-completion method of revenue recognition could result in a reduction or reversal of previously recorded revenue and profits.

We account for most of our contracts on the percentage-of-completion method of revenue recognition. Generally, our use of this method results in recognition of revenue and profit ratably over the life of the contract, based on the proportion of costs incurred to date to total costs expected to be incurred for the entire project. The effects of revisions to estimated revenue and costs, including the achievement of award fees and the impact of change orders and claims, are recorded when the amounts are known and can be reasonably estimated. Such revisions could occur in any period and their effects could be material. Although we have historically made reasonably reliable estimates of the progress towards completion of long-term contracts, the uncertainties inherent in the estimating process make it possible for actual costs to vary materially from estimates, including reductions or reversals of previously recorded revenue and profit.

If we are unable to accurately estimate and control our contract costs, then we may incur losses on our contracts, which could decrease our operating margins and reduce our profits. Specifically, our fixed-price contracts could increase the unpredictability of our earnings.

It is important for us to accurately estimate and control our contract costs so that we can maintain positive operating margins and profitability. We generally enter into three principal types of contracts with our clients: fixed-price, time-and-materials and cost-plus.

The U.S. federal government and certain other clients have increased the use of fixed-priced contracts. Under fixed-price contracts, we receive a fixed price irrespective of the actual costs we incur and, consequently, we are exposed to a number of risks. We realize a profit on fixed-price contracts only if we can control our costs and prevent cost over-runs on our contracts. Fixed-price contracts require cost and scheduling estimates that are based on a number of assumptions, including those about future economic conditions, costs, and availability of labor, equipment and materials, and other exigencies. We could experience cost over-runs if these estimates are originally inaccurate as a result of errors or ambiguities in the contract specifications, or become inaccurate as a result of a change in circumstances following the submission of the estimate due to, among other things, unanticipated technical problems, difficulties in obtaining permits or approvals, changes in local laws or labor conditions, weather delays, changes in the costs of raw materials, or the inability of our vendors or subcontractors to perform. If cost overruns occur, we could experience reduced profits or, in some cases, a loss for that project. If a project is significant, or if there are one or more common issues that impact multiple projects, costs overruns could increase the unpredictability of our earnings, as well as have a material adverse impact on our business and earnings.

Under our time-and-materials contracts, we are paid for labor at negotiated hourly billing rates and paid for other expenses. Profitability on these contracts is driven by billable headcount and cost control. Many of our time-and-materials contracts are subject to maximum contract values and, accordingly, revenue relating to these contracts is recognized as if these contracts were fixed-price contracts. Under our cost-plus contracts, some of which are subject to contract ceiling amounts, we are reimbursed for allowable costs and fees, which may be fixed or performance-based. If our costs exceed the contract ceiling or are not allowable under the provisions of the contract or any applicable regulations, we may not be able to obtain reimbursement for all of the costs we incur.

Profitability on our contracts is driven by billable headcount and our ability to manage our subcontractors, vendors, and material suppliers. If we are unable to accurately estimate and manage our costs, we may incur losses on our contracts, which could decrease our operating margins and significantly reduce or eliminate our profits. Certain of our contracts require us

to satisfy specific design, engineering, procurement, or construction milestones in order to receive payment for the work completed or equipment or supplies procured prior to achievement of the applicable milestone. As a result, under these types of arrangements, we may incur significant costs or perform significant amounts of services prior to receipt of payment. If a client determines not to proceed with the completion of the project or if the client defaults on its payment obligations, we may face difficulties in collecting payment of amounts due to us for the costs previously incurred or for the amounts previously expended to purchase equipment or supplies.

Accounting for a contract requires judgments relative to assessing the contract's estimated risks, revenue, costs, and other technical issues. Due to the size and nature of many of our contracts, the estimation of overall risk, revenue, and cost at completion is complicated and subject to many variables. Changes in underlying assumptions, circumstances, or estimates may also adversely affect future period financial performance. If we are unable to accurately estimate the overall revenue or costs on a contract, then we may experience a lower profit or incur a loss on the contract.

Our failure to adequately recover on claims brought by us against clients for additional contract costs could have a negative impact on our liquidity and profitability.

We have brought claims against clients for additional costs exceeding the contract price or for amounts not included in the original contract price. These types of claims occur due to matters such as client-caused delays or changes from the initial project scope, both of which may result in additional cost. Often, these claims can be the subject of lengthy arbitration or litigation proceedings, and it is difficult to accurately predict when these claims will be fully resolved. When these types of events occur and unresolved claims are pending, we have used working capital in projects to cover cost overruns pending the resolution of the relevant claims. A failure to promptly recover on these types of claims could have a negative impact on our liquidity and profitability. Total accounts receivable at September 27, 2020 included approximately \$14 million related to such claims.

Our failure to win new contracts and renew existing contracts with private and public sector clients could adversely affect our profitability.

Our business depends on our ability to win new contracts and renew existing contracts with private and public sector clients. Contract proposals and negotiations are complex and frequently involve a lengthy bidding and selection process, which is affected by a number of factors. These factors include market conditions, financing arrangements, and required governmental approvals. If negative market conditions arise, or if we fail to secure adequate financial arrangements or the required government approval, we may not be able to pursue certain projects, which could adversely affect our profitability.

If we are not able to successfully manage our growth strategy, our business and results of operations may be adversely affected.

Our expected future growth presents numerous managerial, administrative, operational, and other challenges. Our ability to manage the growth of our operations will require us to continue to improve our management information systems and our other internal systems and controls. In addition, our growth will increase our need to attract, develop, motivate, and retain both our management and professional employees. The inability to effectively manage our growth or the inability of our employees to achieve anticipated performance could have a material adverse effect on our business.

Our backlog is subject to cancellation, unexpected adjustments and changing economic conditions, and is an uncertain indicator of future operating results.

Our backlog at September 27, 2020 was \$3.2 billion, an increase of \$147.4 million, or 4.8%, compared to the end of fiscal 2019. We include in backlog only those contracts for which funding has been provided and work authorizations have been received. We cannot guarantee that the revenue projected in our backlog will be realized or, if realized, will result in profits. In addition, project cancellations or scope adjustments may occur, from time to time, with respect to contracts reflected in our backlog. For example, certain of our contracts with the U.S. federal government and other clients are terminable at the discretion of the client, with or without cause. These types of backlog reductions could adversely affect our revenue and margins. As a result of these factors, our backlog as of any particular date is an uncertain indicator of our future earnings.

Cyber security breaches of our systems and information technology could adversely impact our ability to operate.

We develop, install and maintain information technology systems for ourselves, as well as for customers. Client contracts for the performance of information technology services, as well as various privacy and securities laws, require us to manage and protect sensitive and confidential information, including federal and other government information, from disclosure. We also need to protect our own internal trade secrets and other business confidential information, as well as personal data of our employees and contractors, from disclosure. For example, the European Union's General Data Protection Regulation ("GDPR") extends the scope of the European Union data protection laws to all companies processing data of European Union residents, regardless of the company's location. In addition, the California Consumer Privacy Act ("CCPA"),

which became effective in January 2020, increases the penalties for data privacy incidents. The GDPR and CCPA are just examples of privacy regulations that are emerging in locations where we work.

We face the threat to our computer systems of unauthorized access, computer hackers, computer viruses, malicious code, organized cyber-attacks and other security problems and system disruptions, including possible unauthorized access to our and our clients' proprietary or classified information. We rely on industry-accepted security measures and technology to securely maintain all confidential and proprietary information on our information systems. In addition, we rely on the security of third-party service providers, vendors, and cloud services providers to protect confidential data. In the ordinary course of business, we have been targeted by malicious cyber-attacks. A user who circumvents security measures could misappropriate confidential or proprietary information, including information regarding us, our personnel and/or our clients, or cause interruptions or malfunctions in operations. As a result, we may be required to expend significant resources to protect against the threat of these system disruptions and security breaches or to alleviate problems caused by these disruptions and breaches.

We also rely in part on third-party software and information technology vendors to run our critical accounting, project management and financial information systems. We depend on our software and information technology vendors to provide long-term software and hardware support for our information systems. Our software and information technology vendors may decide to discontinue further development, integration or long-term software and hardware support for our information systems, in which case we may need to abandon one or more of our current information systems and migrate some or all of our accounting, project management and financial information to other systems, thus increasing our operational expense, as well as disrupting the management of our business operations. Any of these events could damage our reputation and have a material adverse effect on our business, financial condition, results of operations and cash flows.

If our business partners fail to perform their contractual obligations on a project, we could be exposed to legal liability, loss of reputation and profit reduction or loss on the project.

We routinely enter into subcontracts and, occasionally, joint ventures, teaming arrangements, and other contractual arrangements so that we can jointly bid and perform on a particular project. Success under these arrangements depends in large part on whether our business partners fulfill their contractual obligations satisfactorily. In addition, when we operate through a joint venture in which we are a minority holder, we have limited control over many project decisions, including decisions related to the joint venture's internal controls, which may not be subject to the same internal control procedures that we employ. If these unaffiliated third parties do not fulfill their contract obligations, the partnerships or joint ventures may be unable to adequately perform and deliver their contracted services. Under these circumstances, we may be obligated to pay financial penalties, provide additional services to ensure the adequate performance and delivery of the contracted services, and may be jointly and severally liable for the other's actions or contract performance. These additional obligations could result in reduced profits and revenues or, in some cases, significant losses for us with respect to the joint venture, which could also affect our reputation in the industries we serve.

If our contractors and subcontractors fail to satisfy their obligations to us or other parties, or if we are unable to maintain these relationships, our revenue, profitability, and growth prospects could be adversely affected.

We depend on contractors and subcontractors in conducting our business. There is a risk that we may have disputes with our subcontractors arising from, among other things, the quality and timeliness of work performed by the subcontractor, client concerns about the subcontractor, or our failure to extend existing task orders or issue new task orders under a subcontract. In addition, if a subcontractor fails to deliver on a timely basis the agreed-upon supplies, fails to perform the agreed-upon services, or goes out of business, then we may be required to purchase the services or supplies from another source at a higher price, and our ability to fulfill our obligations as a prime contractor may be jeopardized. This may reduce the profit to be realized or result in a loss on a project for which the services or supplies are needed.

We also rely on relationships with other contractors when we act as their subcontractor or joint venture partner. The absence of qualified subcontractors with which we have a satisfactory relationship could adversely affect the quality of our service and our ability to perform under some of our contracts. Our future revenue and growth prospects could be adversely affected if other contractors eliminate or reduce their subcontracts or teaming arrangement relationships with us, or if a government agency terminates or reduces these other contractors' programs, does not award them new contracts, or refuses to pay under a contract.

Our failure to meet contractual schedule or performance requirements that we have guaranteed could adversely affect our operating results.

In certain circumstances, we can incur liquidated or other damages if we do not achieve project completion by a scheduled date. If we or an entity for which we have provided a guarantee subsequently fails to complete the project as scheduled and the matter cannot be satisfactorily resolved with the client, we may be responsible for cost impacts to the client resulting from any delay or the cost to complete the project. Our costs generally increase from schedule delays and/or could exceed our projections for a particular project. In addition, project performance can be affected by a number of factors beyond

our control, including unavoidable delays from governmental inaction, public opposition, inability to obtain financing, weather conditions, unavailability of vendor materials, changes in the project scope of services requested by our clients, industrial accidents, environmental hazards, labor disruptions and other factors. As a result, material performance problems for existing and future contracts could cause actual results of operations to differ from those anticipated by us and could cause us to suffer damage to our reputation within our industry and client base.

New legal requirements could adversely affect our operating results.

Our business and results of operations could be adversely affected by the passage of climate change, defense, environmental, infrastructure and other legislation, policies and regulations. Growing concerns about climate change may result in the imposition of additional environmental regulations. For example, legislation, international protocols, regulation or other restrictions on emissions could increase the costs of projects for our clients or, in some cases, prevent a project from going forward, thereby potentially reducing the need for our services. In addition, relaxation or repeal of laws and regulations, or changes in governmental policies regarding environmental, defense, infrastructure or other industries we serve could result in a decline in demand for our services, which could in turn negatively impact our revenues. We cannot predict when or whether any of these various proposals may be enacted or what their effect will be on us or on our customers.

Changes in resource management, environmental, or infrastructure industry laws, regulations, and programs could directly or indirectly reduce the demand for our services, which could in turn negatively impact our revenue.

Some of our services are directly or indirectly impacted by changes in U.S. federal, state, local or foreign laws and regulations pertaining to the resource management, environmental, and infrastructure industries. Accordingly, a relaxation or repeal of these laws and regulations, or changes in governmental policies regarding the funding, implementation or enforcement of these programs, could result in a decline in demand for our services, which could in turn negatively impact our revenue.

Changes in capital markets could adversely affect our access to capital and negatively impact our business.

Our results could be adversely affected by an inability to access the revolving credit facility under our credit agreement. Unfavorable financial or economic conditions could impact certain lenders' willingness or ability to fund our revolving credit facility. In addition, increases in interest rates or credit spreads, volatility in financial markets or the interest rate environment, significant political or economic events, defaults of significant issuers, and other market and economic factors, may negatively impact the general level of debt issuance, the debt issuance plans of certain categories of borrowers, the types of credit-sensitive products being offered, and/or a sustained period of market decline or weakness could have a material adverse effect on us.

Restrictive covenants in our credit agreement may restrict our ability to pursue certain business strategies.

Our credit agreement limits or restricts our ability to, among other things:

- incur additional indebtedness;
- create liens securing debt or other encumbrances on our assets;
- make loans or advances;
- pay dividends or make distributions to our stockholders;
- purchase or redeem our stock;
- repay indebtedness that is junior to indebtedness under our credit agreement;
- acquire the assets of, or merge or consolidate with, other companies; and
- sell, lease, or otherwise dispose of assets.

Our credit agreement also requires that we maintain certain financial ratios, which we may not be able to achieve. The covenants may impair our ability to finance future operations or capital needs or to engage in other favorable business activities.

Our industry is highly competitive, and we may be unable to compete effectively, which could result in reduced revenue, profitability and market share.

We are engaged in a highly competitive business. The markets we serve are highly fragmented and we compete with many regional, national and international companies. Certain of these competitors have greater financial and other resources than we do. Others are smaller and more specialized and concentrate their resources in particular areas of expertise. The extent of our competition varies according to certain markets and geographic area. In addition, the technical and professional aspects of some of our services generally do not require large upfront capital expenditures and provide limited barriers against new competitors. Our clients make competitive determinations based upon qualifications, experience, performance, reputation, technology, customer relationships and ability to provide the relevant services in a timely, safe and cost-efficient manner. This competitive environment could force us to make price concessions or otherwise reduce prices for our services. If we are unable to maintain our competitiveness and win bids for future projects, our market share, revenue, and profits will decline.

Legal proceedings, investigations, and disputes could result in substantial monetary penalties and damages, especially if such penalties and damages exceed or are excluded from existing insurance coverage.

We engage in consulting, engineering, program management, construction management, construction, and technical services that can result in substantial injury or damages that may expose us to legal proceedings, investigations, and disputes. For example, in the ordinary course of our business, we may be involved in legal disputes regarding personal injury claims, employee or labor disputes, professional liability claims, and general commercial disputes involving project cost overruns and liquidated damages, as well as other claims. In addition, in the ordinary course of our business, we frequently make professional judgments and recommendations about environmental and engineering conditions of project sites for our clients, and we may be deemed to be responsible for these judgments and recommendations if they are later determined to be inaccurate. Any unfavorable legal ruling against us could result in substantial monetary damages or even criminal violations. We maintain insurance coverage as part of our overall legal and risk management strategy to minimize our potential liabilities; however, insurance coverage contains exclusions and other limitations that may not cover our potential liabilities. Generally, our insurance program covers workers' compensation and employer's liability, general liability, automobile liability, professional errors and omissions liability, property, and contractor's pollution liability (in addition to other policies for specific projects). Our insurance program includes deductibles or self-insured retentions for each covered claim that may increase over time. In addition, our insurance policies contain exclusions that insurance providers may use to deny or restrict coverage. Excess liability and professional liability insurance policies provide for coverage on a "claims-made" basis, covering only claims actually made and reported during the policy period currently in effect. If we sustain liabilities that exceed or that are excluded from our insurance coverage, or for which we are not insured, it could have a material adverse impact on our financial condition, results of operations and cash flows.

Unavailability or cancellation of third-party insurance coverage would increase our overall risk exposure as well as disrupt the management of our business operations.

We maintain insurance coverage from third-party insurers as part of our overall risk management strategy and because some of our contracts require us to maintain specific insurance coverage limits. If any of our third-party insurers fail, suddenly cancel our coverage, or otherwise are unable to provide us with adequate insurance coverage, then our overall risk exposure and our operational expenses would increase, and the management of our business operations would be disrupted. In addition, there can be no assurance that any of our existing insurance coverage will be renewable upon the expiration of the coverage period or that future coverage will be affordable at the required limits.

Our inability to obtain adequate bonding could have a material adverse effect on our future revenue and business prospects.

Certain clients require bid bonds, and performance and payment bonds. These bonds indemnify the client should we fail to perform our obligations under a contract. If a bond is required for a certain project and we are unable to obtain an appropriate bond, we cannot pursue that project. In some instances, we are required to co-venture with a small or disadvantaged business to pursue certain government contracts. In connection with these ventures, we are sometimes required to utilize our bonding capacity to cover all of the obligations under the contract with the client. We have a bonding facility but, as is typically the case, the issuance of bonds under that facility is at the surety's sole discretion. Moreover, bonding may be more difficult to obtain or may only be available at significant additional cost. There can be no assurance that bonds will continue to be available to us on reasonable terms. Our inability to obtain adequate bonding and, as a result, to bid on new work could have a material adverse effect on our future revenue and business prospects.

Employee, agent, or partner misconduct, or our failure to comply with anti-bribery and other laws or regulations, could harm our reputation, reduce our revenue and profits, and subject us to criminal and civil enforcement actions.

Misconduct, fraud, non-compliance with applicable laws and regulations, or other improper activities by one of our employees, agents, or partners could have a significant negative impact on our business and reputation. Such misconduct could include the failure to comply with government procurement regulations, regulations regarding the protection of classified information, regulations prohibiting bribery and other foreign corrupt practices, regulations regarding the pricing of labor and other costs in government contracts, regulations on lobbying or similar activities, regulations pertaining to the internal controls over financial reporting, environmental laws, and any other applicable laws or regulations. For example, as previously noted, the FCPA and similar anti-bribery laws in other jurisdictions generally prohibit companies and their intermediaries from making improper payments to non-U.S. officials for the purpose of obtaining or retaining business. Our policies mandate compliance with these regulations and laws, and we take precautions to prevent and detect misconduct. However, since our internal controls are subject to inherent limitations, including human error, it is possible that these controls could be intentionally circumvented or become inadequate because of changed conditions. As a result, we cannot assure that our controls will protect us from reckless or criminal acts committed by our employees or agents. Our failure to comply with applicable laws or regulations, or acts of misconduct could subject us to fines and penalties, loss of security clearances, and suspension or

debarment from contracting, any or all of which could harm our reputation, reduce our revenue and profits, and subject us to criminal and civil enforcement actions.

Our business activities may require our employees to travel to and work in countries where there are high security risks, which may result in employee death or injury, repatriation costs or other unforeseen costs.

Certain of our contracts may require our employees travel to and work in high-risk countries that are undergoing political, social, and economic upheavals resulting from war, civil unrest, criminal activity, acts of terrorism, or public health crises. For example, we currently have employees working in high security risk countries such as Afghanistan and Iraq. As a result, we risk loss of or injury to our employees and may be subject to costs related to employee death or injury, repatriation, or other unforeseen circumstances. We may choose or be forced to leave a country with little or no warning due to physical security risks.

Our failure to implement and comply with our safety program could adversely affect our operating results or financial condition.

Our project sites often put our employees and others in close proximity with mechanized equipment, moving vehicles, chemical and manufacturing processes, and highly regulated materials. On some project sites, we may be responsible for safety, and, accordingly, we have an obligation to implement effective safety procedures. Our safety program is a fundamental element of our overall approach to risk management, and the implementation of the safety program is a significant issue in our dealings with our clients. We maintain an enterprise-wide group of health and safety professionals to help ensure that the services we provide are delivered safely and in accordance with standard work processes. Unsafe job sites and office environments have the potential to increase employee turnover, increase the cost of a project to our clients, expose us to types and levels of risk that are fundamentally unacceptable, and raise our operating costs. The implementation of our safety processes and procedures are monitored by various agencies, including the U.S. Mine Safety and Health Administration (“MSHA”), and rating bureaus, and may be evaluated by certain clients in cases in which safety requirements have been established in our contracts. Our failure to meet these requirements or our failure to properly implement and comply with our safety program could result in reduced profitability, the loss of projects or clients, or potential litigation, and could have a material adverse effect on our business, operating results, or financial condition.

We may be precluded from providing certain services due to conflict of interest issues.

Many of our clients are concerned about potential or actual conflicts of interest in retaining management consultants. U.S. federal government agencies have formal policies against continuing or awarding contracts that would create actual or potential conflicts of interest with other activities of a contractor. These policies may prevent us from bidding for or performing government contracts resulting from or relating to certain work we have performed. In addition, services performed for a commercial or government client may create a conflict of interest that precludes or limits our ability to obtain work from other public or private organizations. We have, on occasion, declined to bid on projects due to conflict of interest issues.

If our reports and opinions are not in compliance with professional standards and other regulations, we could be subject to monetary damages and penalties.

We issue reports and opinions to clients based on our professional engineering expertise, as well as our other professional credentials. Our reports and opinions may need to comply with professional standards, licensing requirements, securities regulations, and other laws and rules governing the performance of professional services in the jurisdiction in which the services are performed. In addition, we could be liable to third parties who use or rely upon our reports or opinions even if we are not contractually bound to those third parties. For example, if we deliver an inaccurate report or one that is not in compliance with the relevant standards, and that report is made available to a third party, we could be subject to third-party liability, resulting in monetary damages and penalties.

We may be subject to liabilities under environmental laws and regulations.

Our services are subject to numerous U.S. and international environmental protection laws and regulations that are complex and stringent. For example, we must comply with a number of U.S. federal government laws that strictly regulate the handling, removal, treatment, transportation, and disposal of toxic and hazardous substances. Under the Comprehensive Environmental Response Compensation and Liability Act of 1980, as amended (“CERCLA”), and comparable state laws, we may be required to investigate and remediate regulated hazardous materials. CERCLA and comparable state laws typically impose strict, joint and several liabilities without regard to whether a company knew of or caused the release of hazardous substances. The liability for the entire cost of clean-up could be imposed upon any responsible party. Other principal U.S. federal environmental, health, and safety laws affecting us include, but are not limited to, the Resource Conservation and Recovery Act, National Environmental Policy Act, the Clean Air Act, the Occupational Safety and Health Act, the Federal Mine Safety and Health Act of 1977 (the “Mine Act”), the Toxic Substances Control Act, and the Superfund Amendments and Reauthorization Act. Our business operations may also be subject to similar state and international laws relating to environmental protection. Further, past business practices at companies that we have acquired may also expose us to future

unknown environmental liabilities. Liabilities related to environmental contamination or human exposure to hazardous substances, or a failure to comply with applicable regulations, could result in substantial costs to us, including clean-up costs, fines, civil or criminal sanctions, and third-party claims for property damage or personal injury or cessation of remediation activities. Our continuing work in the areas governed by these laws and regulations exposes us to the risk of substantial liability.

Force majeure events, including natural disasters, pandemics and terrorist actions, could negatively impact the economies in which we operate or disrupt our operations, which may affect our financial condition, results of operations, or cash flows.

Force majeure or extraordinary events beyond the control of the contracting parties, such as natural and man-made disasters, as well as pandemics and terrorist actions, could negatively impact the economies in which we operate by causing the closure of offices, interrupting projects, and forcing the relocation of employees. We typically remain obligated to perform our services after a terrorist action or natural disaster unless the contract contains a force majeure clause that relieves us of our contractual obligations in such an extraordinary event. If we are not able to react quickly to force majeure, our operations may be affected significantly, which would have a negative impact on our financial condition, results of operations, or cash flows.

We have only a limited ability to protect our intellectual property rights, and our failure to protect our intellectual property rights could adversely affect our competitive position.

We rely upon a combination of nondisclosure agreements and other contractual arrangements, as well as copyright, trademark, patent and trade secret laws to protect our proprietary information. We also enter into proprietary information and intellectual property agreements with employees, which require them to disclose any inventions created during employment, to convey such rights to inventions to us, and to restrict any disclosure of proprietary information. Trade secrets are generally difficult to protect. Although our employees are subject to confidentiality obligations, this protection may be inadequate to deter or prevent misappropriation of our confidential information and/or the infringement of our patents and copyrights. Further, we may be unable to detect unauthorized use of our intellectual property or otherwise take appropriate steps to enforce our rights. Failure to adequately protect, maintain, or enforce our intellectual property rights may adversely limit our competitive position.

Assertions by third parties of infringement, misappropriation or other violations by us of their intellectual property rights could result in significant costs and substantially harm our business, financial condition and operating results.

In recent years, there has been significant litigation involving intellectual property rights in technology industries. We may face from time to time, allegations that we or a supplier or customer have violated the rights of third parties, including patent, trademark, and other intellectual property rights. If, with respect to any claim against us for violation of third-party intellectual property rights, we are unable to prevail in the litigation or retain or obtain sufficient rights or develop non-infringing intellectual property or otherwise alter our business practices on a timely or cost-efficient basis, our business, financial condition or results of operations may be adversely affected.

Any infringement, misappropriation or related claims, whether or not meritorious, are time consuming, divert technical and management personnel, and are costly to resolve. As a result of any such dispute, we may have to develop non-infringing technology, pay damages, enter into royalty or licensing agreements, cease utilizing products or services, or take other actions to resolve the claims. These actions, if required, may be costly or unavailable on terms acceptable to us.

General Risk Factors

Our stock price could become more volatile and stockholders' investments could lose value.

In addition to the macroeconomic factors that have affected the prices of many securities generally, all of the factors discussed in this section could affect our stock price. Our common stock has previously experienced substantial price volatility. In addition, the stock market has experienced extreme price and volume fluctuations that have affected the market price of many companies, and that have often been unrelated to the operating performance of these companies. The trading price of our common stock may be significantly affected by various factors, including quarter-to-quarter variations in our financial results, such as revenue, profits, days sales outstanding, backlog, and other measures of financial performance or financial condition (which factors may, themselves, be affected by the factors described below):

- loss of key employees;
- the number and significance of client contracts commenced and completed during a quarter;
- creditworthiness and solvency of clients;
- the ability of our clients to terminate contracts without penalties;
- general economic or political conditions;
- unanticipated changes in contract performance that may affect profitability, particularly with contracts that are fixed-price or have funding limits;

- contract negotiations on change orders, requests for equitable adjustment, and collections of related billed and unbilled accounts receivable;
- seasonality of the spending cycle of our public sector clients, notably the U.S. federal government, the spending patterns of our commercial sector clients, and weather conditions;
- budget constraints experienced by our U.S. federal, and state and local government clients;
- integration of acquired companies;
- changes in contingent consideration related to acquisition earn-outs;
- divestiture or discontinuance of operating units;
- employee hiring, utilization and turnover rates;
- delays incurred in connection with a contract;
- the size, scope and payment terms of contracts;
- the timing of expenses incurred for corporate initiatives;
- reductions in the prices of services offered by our competitors;
- threatened or pending litigation;
- legislative and regulatory enforcement policy changes that may affect demand for our services;
- the impairment of goodwill or identifiable intangible assets;
- the fluctuation of a foreign currency exchange rate;
- stock-based compensation expense;
- actual events, circumstances, outcomes, and amounts differing from judgments, assumptions, and estimates used in determining the value of certain assets (including the amounts of related valuation allowances), liabilities, and other items reflected in our consolidated financial statements;
- success in executing our strategy and operating plans;
- changes in tax laws or regulations or accounting rules;
- results of income tax examinations;
- the timing of announcements in the public markets regarding new services or potential problems with the performance of services by us or our competitors, or any other material announcements;
- speculation in the media and analyst community, changes in recommendations or earnings estimates by financial analysts, changes in investors' or analysts' valuation measures for our stock, and market trends unrelated to our stock;
- our announcements concerning the payment of dividends or the repurchase of our shares;
- resolution of threatened or pending litigation;
- changes in investors' and analysts' perceptions of our business or any of our competitors' businesses;
- changes in environmental legislation;
- broader market fluctuations; and
- general economic or political conditions.

A significant drop in the price of our stock could expose us to the risk of securities class action lawsuits, which could result in substantial costs and divert management's attention and resources, which could adversely affect our business. Additionally, volatility or a lack of positive performance in our stock price may adversely affect our ability to retain key employees, many of whom are awarded equity securities, the value of which is dependent on the performance of our stock price.

Delaware law and our charter documents may impede or discourage a merger, takeover, or other business combination even if the business combination would have been in the short-term best interests of our stockholders.

We are a Delaware corporation and the anti-takeover provisions of Delaware law impose various impediments to the ability of a third party to acquire control of us, even if a change in control would be beneficial to our stockholders. In addition, our Board of Directors has the power, without stockholder approval, to designate the terms of one or more series of preferred stock and issue shares of preferred stock, which could be used defensively if a takeover is threatened. These features, as well as provisions in our certificate of incorporation and bylaws, such as those relating to advance notice of certain stockholder proposals and nominations, could impede a merger, takeover, or other business combination involving us, or discourage a potential acquirer from making a tender offer for our common stock, even if the business combination would have been in the best interests of our current stockholders.

Item 1B Unresolved Staff Comments

None.

Item 2. Properties

At fiscal 2020 year-end, we leased approximately 450 operating facilities in domestic and foreign locations. Our significant lease agreements expire at various dates through 2032. We believe that our current facilities are adequate for the operation of our business, and that suitable additional space in various local markets is available to accommodate any needs that may arise.

The following table summarizes our ten most significant leased properties by location based on annual rental expenses (listed alphabetically, except for our corporate headquarters):

Location	Description	Reportable Segment
Pasadena, CA	Corporate Headquarters	Corporate
Adelaide, South Australia, Australia	Office Building	GSG / CIG
Arlington, VA	Office Building	GSG / CIG
Irvine, CA	Office Building	GSG / CIG
London, United Kingdom	Office Building	GSG / CIG
Montreal, QC, Canada	Office Building	CIG
New York, NY	Office Building	GSG / CIG
Perth, Western Australia, Australia	Office Building	CIG
Pittsburgh, PA	Office Building	GSG / CIG
San Francisco, CA	Office Building	GSG

Item 3. Legal Proceedings

For a description of our material pending legal and regulatory proceedings and settlements, see Note 17, "Commitments and Contingencies" of the "Notes to Consolidated Financial Statements" included in Item 8.

Item 4. Mine Safety Disclosures

Section 1503 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Dodd-Frank Act") requires domestic mine operators to disclose violations and orders issued under the Mine Act by MSHA. We do not act as the owner of any mines, but we may act as a mining operator as defined under the Mine Act where we may be an independent contractor performing services or construction at such mine. Information concerning mine safety violations or other regulatory matters required by Section 1503(a) of the Dodd-Frank Act and Item 104 of Regulation S-K is included in Exhibit 95.

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

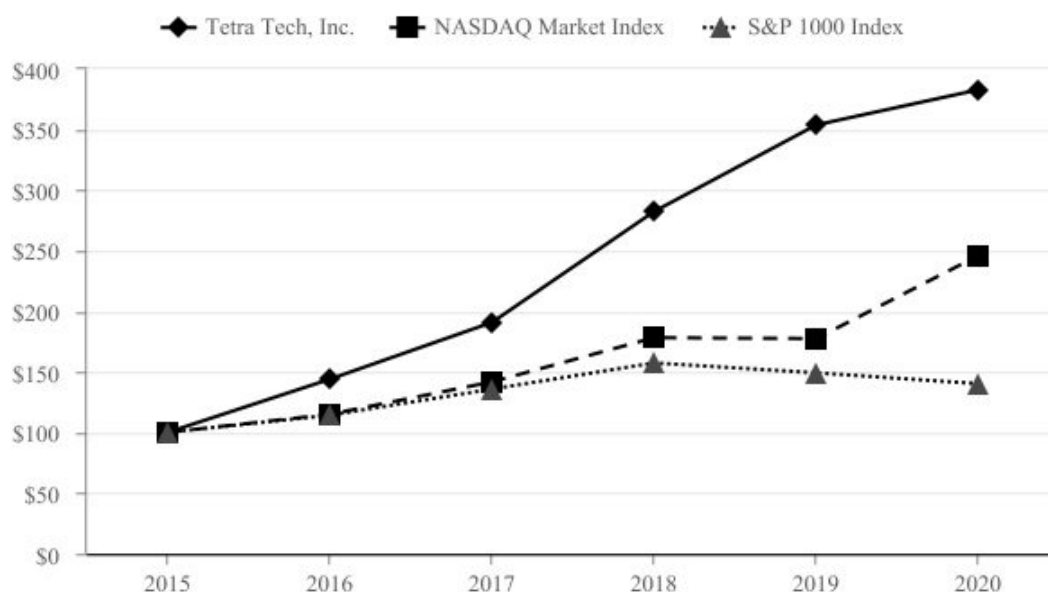
Our common stock is traded on the NASDAQ Global Select Market under the symbol TTEK. There were approximately 1,200 stockholders of record at September 27, 2020.

Stock-Based Compensation

For information regarding our stock-based compensation, see Note 11, "Stockholders' Equity and Stock Compensation Plans" of the "Notes to Consolidated Financial Statements" included in Item 8.

Performance Graph

The following graph shows a comparison of our cumulative total returns with those of the NASDAQ Market Index and the Standard & Poor's ("S&P") 1000 Index. At this time, we do not have a comparable peer group due to the combination of our differentiated high-end consulting services and our end-markets. Thus, we have selected the S&P 1000 Index. The graph assumes that the value of an investment in our common stock and in each such index was \$100 on September 27, 2015, and that all dividends have been reinvested. During fiscal 2020, we declared and paid dividends in the first and second quarters totaling \$0.30 per share (\$0.15 each quarter) on our common stock and paid dividends in the third and fourth quarters totaling \$0.34 per share (\$0.17 each quarter) on our common stock. We declared and paid dividends totaling \$0.54, \$0.44, \$0.38 and \$0.34 per share in fiscal 2019, 2018, 2017 and 2016, respectively. The comparison in the graph below is based on historical data and is not intended to forecast the possible future performance of our common stock.



ASSUMES \$100 INVESTED ON SEPTEMBER 27, 2015
ASSUMES DIVIDEND REINVESTED
FISCAL YEAR ENDED SEPTEMBER 27, 2020

	2015	2016	2017	2018	2019	2020
Tetra Tech, Inc.	\$ 100.00	\$ 144.01	\$ 190.68	\$ 282.06	\$ 353.67	\$ 382.89
NASDAQ Market Index	100.00	114.80	141.98	177.72	177.31	246.08
S&P 1000 Index	100.00	114.43	135.72	157.02	148.93	140.29

The performance graph above and related text are being furnished solely to accompany this annual report on Form 10-K pursuant to Item 201(e) of Regulation S-K, and are not being filed for purposes of Section 18 of the Exchange Act, and are not to be incorporated by reference into any of our filings with the SEC, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

Stock Repurchase Program

On November 5, 2018, the Board of Directors authorized a stock repurchase program ("2019 Program") under which we could repurchase up to \$200 million of our common stock. This was in addition to the \$25 million remaining as of fiscal 2018 year-end under the previous stock repurchase program ("2018 Program"). On January 27, 2020, the Board of Directors authorized a new \$200 million stock repurchase program ("2020 Program"). As of September 27, 2020, we had a remaining balance of \$207.8 million available under the 2019 and 2020 programs. The following table summarizes stock repurchases in the open market and settled in fiscal 2019 and fiscal 2020:

Fiscal Year	Stock Repurchase Program	Shares Repurchased	Average Price Paid per Share	Total Cost (in thousands)
2019	2018 Program	430,559	\$ 58.06	\$ 25,000
2019	2019 Program	1,131,962	66.26	75,000
2019 Total		1,562,521	\$ 64.00	\$ 100,000
2020	2019 Program	1,508,747	\$ 77.67	\$ 117,188

Below is a summary of the stock repurchases that were traded and settled during the 12 months ended September 27, 2020 under the 2019 Program:

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Dollar Value that May Yet be Purchased Under the Plans or Programs (in thousands)
September 30, 2019 - October 27, 2019	87,614	\$ 85.25	87,614	\$ 117,532
October 28, 2019 - November 24, 2019	88,030	87.80	88,030	109,803
November 25, 2019 - December 29, 2019	68,794	86.91	68,794	103,824
December 30, 2019 - January 26, 2020	53,485	87.48	53,485	99,145
January 27, 2020 - February 23, 2020	53,677	92.00	53,677	94,206
February 24, 2020 - March 29, 2020	709,250	71.72	709,250	43,341
March 30, 2020 - April 26, 2020	130,436	72.23	130,436	33,920
April 27, 2020 - May 24, 2020	71,320	72.99	71,320	28,714
May 25, 2020 - June 28, 2020	75,239	78.44	75,239	22,813
June 29, 2020 - July 26, 2020	55,466	79.68	55,466	18,394
July 27, 2020 - August 23, 2020	42,881	90.47	42,881	14,514
August 24, 2020 - September 27, 2020	72,555	92.36	72,555	7,813

Item 6. Selected Financial Data

The following selected financial data was derived from our audited consolidated financial statements. The selected financial data presented below should be read in conjunction with the information contained in Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations," and our consolidated financial statements and the notes thereto contained in Item 8, "Financial Statements and Supplementary Data," of this report.

	Fiscal Year Ended				
	September 27, 2020	September 29, 2019	September 30, 2018	October 1, 2017	October 2, 2016
	(in thousands, except per share data)				
Statements of Operations Data					
Revenue	\$ 2,994,891	\$ 3,107,348	\$ 2,964,148	\$ 2,753,360	\$ 2,583,469
Income from operations	241,091	188,762	190,086	183,342	135,855
Net income attributable to Tetra Tech	173,859	158,668	136,883	117,874	83,783
Earnings per share	3.16	2.84	2.42	2.04	1.42
Cash dividends paid per share	0.64	0.54	0.44	0.38	0.34
Balance Sheets Data					
Total assets	\$ 2,378,558	\$ 2,147,408	\$ 1,959,421	\$ 1,902,745	\$ 1,800,779
Long-term debt, net of current portion	242,395	263,934	264,627	341,072	331,437
Tetra Tech stockholders' equity	1,037,319	989,286	966,971	928,453	869,259

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following analysis of our financial condition and results of operations should be read in conjunction with Part I of this report, as well as our consolidated financial statements and accompanying notes in Item 8. The following analysis contains forward-looking statements about our future results of operations and expectations. Our actual results and the timing of events could differ materially from those described herein. See Part I, Item 1A, "Risk Factors" for a discussion of the risks, assumptions, and uncertainties affecting these statements.

OVERVIEW OF RESULTS AND BUSINESS TRENDS

General. As the COVID-19 spread globally, we responded quickly to ensure the health and safety of our employees, clients and the communities we support. Our high-end consulting focus and the technologies we deployed have allowed our staff to support clients and projects remotely without interruption. We remain focused on providing clients with the highest level of service and our 450 global offices are operational, supporting our programs and projects. By *Leading with Science®*, we are responding to the challenges of COVID-19, with the commitment of our 20,000 staff supported by technological innovation.

We entered fiscal 2020 in the best position in our history, with record backlog from our government and commercial clients supporting their critical water and environmental programs. For the first five months of fiscal 2020, we were on pace for another record year; however, the unprecedented disruption of the global economy due to the COVID-19 pandemic has impacted all businesses. Our government business, which represents approximately 60% of our revenue, has been stable, while our commercial business experienced relatively more impact. Much of our commercial business has continued due to regulatory drivers, but we have seen project delays in the industrial sectors. Our diversified end-markets have allowed us to redeploy staff to areas of uninterrupted or increased demand, and we have made decisions to align our cost structures with our clients' projects. The actions we have taken to navigate through this worldwide pandemic, the strength of our balance sheet, and our technical leadership position us well to address the global challenges of providing clean water, environmental restoration, and the impacts of climate change.

In fiscal 2020, our revenue decreased 3.6% compared to fiscal 2019. Our year-over-year revenue comparisons were impacted by the disposal of our Canadian turn-key pipeline activities in the fourth quarter of fiscal 2019 and a decrease in revenue from disaster response activities related to California wildfires. Excluding the disposal and the decreased California wildfire activity, our revenue increased 3.5% in fiscal 2020 compared to last year. This increase includes \$210.5 million of revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Excluding the net impact of acquisitions/disposals and the California wildfire disaster response activities, our revenue in fiscal 2020 decreased 3.9% compared to fiscal 2019 primarily due to the adverse impact of the COVID-19 pandemic on our U.S. commercial and international revenue.

U.S. Federal Government. Our U.S. federal government revenue increased 5.6% in fiscal 2020 compared to fiscal 2019. Excluding contributions from acquisitions, our revenue declined 1.5% in fiscal 2020 compared to last year. The decrease was primarily due to reduced international development activities, partially offset by increased federal information technology consulting activity. During periods of economic volatility, our U.S. federal government business has historically been the most stable and predictable. We expect our U.S. federal government revenue to grow modestly in fiscal 2021 due to continued increased federal information technology consulting activity. However, U.S. federal spending amounts and priorities could change significantly from our current expectations, which could have a significant positive or negative impact on our fiscal 2021 revenue.

U.S. State and Local Government. Our U.S. state and local government revenue decreased 25.3% in fiscal 2020 compared to last year as we experienced a decrease in revenue from the aforementioned California wildfire disaster response activities. This decline was partially offset by continued broad-based growth in our U.S. state and local government project-related infrastructure business, particularly with increased revenue from municipal water infrastructure work in the metropolitan areas of California, Texas, and Florida. Most of our work for U.S. state and local governments relates to critical water and environmental programs, which we expect to increase further next year. However, further budgetary constraints to our clients could negatively impact our business. Conversely, increased disaster response activity could cause our fiscal 2021 revenue to exceed our current expectations.

U.S. Commercial. Our U.S. commercial revenue decreased 6.2% in fiscal 2020 compared to fiscal 2019. This decline was primarily due to reduced industrial activity as a result of the COVID-19 pandemic. We currently expect the adverse impact of the COVID-19 pandemic to our U.S. commercial revenue to continue to be more significant than to our U.S. government programs and projects throughout most of next year.

International. Our international revenue increased 3.2% in fiscal 2020 compared to fiscal 2019. Excluding the impact of the aforementioned prior-year disposal of our Canadian turn-key pipeline activities, our international revenue increased 11.4% in fiscal 2020 compared to last year. This increase includes \$132.5 million of revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Excluding the net impact of acquisitions/disposals, our international revenue in fiscal

2020 decreased 5.5% compared to last year. The revenue decline primarily reflects the adverse impact of the COVID-19 pandemic, partially offset by increased renewable energy activity in Canada. In light of the COVID-19 pandemic, we currently expect our overall international government work to be stable in fiscal 2021; however, our international commercial activities could have a significant adverse impact if the current economic conditions due to COVID-19 are prolonged.

RESULTS OF OPERATIONS

Fiscal 2020 Compared to Fiscal 2019

Consolidated Results of Operations

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 2,994,891	\$ 3,107,348	\$ (112,457)	(3.6)%
Subcontractor costs	(646,319)	(717,711)	71,392	9.9
Revenue, net of subcontractor costs ⁽¹⁾	2,348,572	2,389,637	(41,065)	(1.7)
Other costs of revenue	(1,902,037)	(1,981,454)	79,417	4.0
Gross profit	446,535	408,183	38,352	9.4
Selling, general and administrative expenses	(204,615)	(200,230)	(4,385)	(2.2)
Acquisition and integration expenses	—	(10,351)	10,351	NM
Contingent consideration – fair value adjustments	14,971	(1,085)	16,056	NM
Impairment of goodwill	(15,800)	(7,755)	(8,045)	(103.7)
Income from operations	241,091	188,762	52,329	27.7
Interest expense – net	(13,100)	(13,626)	526	3.9
Income before income tax expense	227,991	175,136	52,855	30.2
Income tax expense	(54,101)	(16,375)	(37,726)	(230.4)
Net income	173,890	158,761	15,129	9.5
Net income attributable to noncontrolling interests	(31)	(93)	62	66.7
Net income attributable to Tetra Tech	\$ 173,859	\$ 158,668	\$ 15,191	9.6
Diluted earnings per share	\$ 3.16	\$ 2.84	\$ 0.32	11.3

⁽¹⁾ We believe that the presentation of "Revenue, net of subcontractor costs", which is a non-U.S. GAAP financial measure, enhances investors' ability to analyze our business trends and performance because it substantially measures the work performed by our employees. In the course of providing services, we routinely subcontract various services and, under certain USAID programs, issue grants. Generally, these subcontractor costs and grants are passed through to our clients and, in accordance with U.S. GAAP and industry practice, are included in our revenue when it is our contractual responsibility to procure or manage these activities. Because subcontractor services can vary significantly from project to project and period to period, changes in revenue may not necessarily be indicative of our business trends. Accordingly, we segregate subcontractor costs from revenue to promote a better understanding of our business by evaluating revenue exclusive of costs associated with external service providers.

NM = not meaningful

In fiscal 2020, revenue and revenue, net of subcontractor costs, decreased \$112.5 million, or 3.6%, and \$41.1 million, or 1.7%, compared to fiscal 2019. These comparisons were impacted by the disposal of our Canadian turn-key pipeline activities in the fourth quarter of fiscal 2019 and a decrease in revenue from disaster response activities related to California wildfires. In addition, our fiscal 2019 results included a reduction of revenue of \$13.7 million from a claim that was resolved last year. Excluding the disposal, the decreased California wildfire activity, and the 2019 claim resolution, our revenue increased 3.0% in fiscal 2020 compared to last year. This increase includes \$210.5 million of revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Also excluding the contribution from acquisitions, our revenue in fiscal 2020 decreased 4.4% compared to fiscal 2019 primarily due to the adverse impact of the COVID-19 pandemic on our U.S. commercial and international revenue.

The following table reconciles our reported results to non-U.S. GAAP adjusted results, which exclude the RCM results and certain non-operating accounting-related adjustments, such as acquisition and integration costs, gains/losses from adjustments to contingent considerations, goodwill impairment charges, non-recurring costs to address COVID-19, and non-recurring tax benefits. Adjusted results also exclude charges resulting from the decision to dispose of our Canadian turn-key pipeline activities that commenced in the fourth quarter of fiscal 2019 and subsequent related gains from non-core equipment

disposals in fiscal 2020. Our fiscal 2019 adjusted results exclude a charge to operating income of \$13.7 million from a claim that was resolved in the fourth quarter of fiscal 2019 for a remediation project, where the work was substantially performed in prior years. The effective tax rates applied to these adjustments to earnings per share ("EPS") to arrive at adjusted EPS averaged 155% and 16% in fiscal 2020 and 2019, respectively. The goodwill impairment charges in both fiscal years and certain of the transaction charges in fiscal 2019 did not have related tax benefits. Excluding these items, the effective tax rates applied to the adjustments in fiscal 2020 and 2019 were 24% and 26%, respectively. We applied the relevant marginal statutory tax rate based on the nature of the adjustments and tax jurisdiction in which they occur. Both EPS and adjusted EPS were calculated using diluted weighted-average common shares outstanding for the respective periods as reflected in our consolidated statements of income.

During the second quarter of fiscal 2020, we took actions in response to the COVID-19 pandemic to ensure the health and safety of our employees, clients, and communities. These actions included activating our Business Continuity Plan globally, which enabled 95% of our workforce to work remotely and all 450 of our global offices to remain operational supporting our clients' programs and projects. This required incremental costs for employee relocation, expansion of our virtual private network capabilities, enhanced security, and sanitizing our offices. In addition, we incurred severance costs to right-size select operations where projects were cancelled specifically due to COVID-19 concerns and the resulting macroeconomic conditions. These incremental costs totaled \$8.2 million in the second quarter of fiscal 2020. Substantially all of these costs were paid in cash in the second half of fiscal 2020.

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
Income from operations	\$ 241,091	\$ 188,762	\$ 52,329	27.7
COVID-19	8,233	—	8,233	NM
Non-core dispositions	(8,525)	10,946	(19,471)	NM
RCM	—	5,933	(5,933)	NM
Claims	—	13,700	(13,700)	NM
Acquisition/Integration	—	10,351	(10,351)	NM
Earn-out adjustments	(13,371)	3,085	(16,456)	NM
Impairment of goodwill	15,800	7,755	8,045	NM
Adjusted income from operations ⁽¹⁾	\$ 243,228	\$ 240,532	\$ 2,696	1.1
EPS	\$ 3.16	\$ 2.84	\$ 0.32	11.3
COVID-19	0.11	—	0.11	NM
Non-core dispositions	(0.12)	0.14	(0.26)	NM
RCM	—	0.08	(0.08)	NM
Claims	—	0.18	(0.18)	NM
Acquisition/Integration	—	0.19	(0.19)	NM
Earn-out adjustments	(0.18)	0.04	(0.22)	NM
Impairment of goodwill	0.29	0.14	0.15	NM
Non-recurring tax benefits	—	(0.44)	0.44	NM
Adjusted EPS ⁽¹⁾	\$ 3.26	\$ 3.17	\$ 0.09	2.8

NM = not meaningful

⁽¹⁾ Non-U.S. GAAP financial measure

Our operating income increased \$52.3 million in fiscal 2020 compared to fiscal 2019. Our operating income in fiscal 2020 was reduced by the previously described non-recurring charges of \$8.2 million to address COVID-19. In addition, our fiscal 2020 results include gains from the sales of non-core equipment of \$8.5 million related to the disposal of our Canadian turn-key pipeline activities. Our operating income in fiscal 2019 included charges of \$10.9 million related to this disposal. Our operating income in fiscal 2019 also included a \$5.9 million loss from exited construction activities in our RCM segment. Our RCM results are described below under "Remediation and Construction Management." Additionally, our operating income in fiscal 2019 included the aforementioned \$13.7 million charge for a resolved claim and expenses of \$10.4 million related to the acquisition and integration of WYG plc ("WYG"). For further detailed information regarding the WYG-related costs, see "Fiscal 2019 Acquisition and Integration Expenses" below. Our fiscal 2020 operating income includes gains of \$15.0 million related to changes in the estimated fair value of contingent earn-out liabilities partially offset by related compensation charges

of \$1.6 million. Our fiscal 2019 operating income reflects losses of \$1.1 million related to changes in the estimated fair value of contingent earn-out liabilities and an additional \$2.0 million of related compensation charges. These earn-out related amounts are described below under "Fiscal 2020 and 2019 Earn-Out Adjustments." Further, our operating income reflects non-cash goodwill impairment charges of \$15.8 million and \$7.8 million in fiscal 2020 and 2019, respectively. These charges are described below under "Fiscal 2020 and 2019 Impairment of Goodwill."

Excluding these items, our adjusted operating income increased \$2.7 million, or 1.1%, in fiscal 2020 compared to fiscal 2019. The increase reflects improved results in our CIG segment partially offset by lower operating income in our GSG segment. GSG and CIG results are described below under "Government Services Group" and "Commercial/International Services Group", respectively.

Our net interest expense was \$13.1 million in fiscal 2020 compared to \$13.6 million last year. The decrease primarily reflects lower interest rates (primarily LIBOR), and to a lesser extent, lower average borrowings.

The effective tax rates for fiscal 2020 and 2019 were 23.7% and 9.3%, respectively. The goodwill impairment charges in fiscal 2020 and fiscal 2019 and certain of the transaction charges in fiscal 2019 did not have related tax benefits, which increased our effective tax rates by 1.5% and 1.1% in fiscal 2020 and 2019, respectively. Conversely, income tax expense was reduced by \$8.3 million and \$6.4 million of excess tax benefits on share-based payments in fiscal 2020 and 2019, respectively. Additionally, we finalized the analysis of our deferred tax liabilities for the Tax Cuts and Jobs Act's ("TCJA's") lower tax rates in the first quarter of fiscal 2019 and recorded a deferred tax benefit of \$2.6 million. Also, valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence obtained during the second quarter of fiscal 2019. The valuation allowances were primarily related to net operating loss and research and development credit carryforwards and other temporary differences. We evaluated the positive evidence against any negative evidence and determined that it was more likely than not that the deferred tax assets would be realized. The factors used to assess the likelihood of realization were the past performance of the related entities, our forecast of future taxable income, and available tax planning strategies that could be implemented to realize the deferred tax assets.

Excluding the impact of the non-deductible goodwill impairment charges and transaction costs, the excess tax benefits on share-based payments, the net deferred tax benefits from the TCJA, and the valuation allowance release, our effective tax rates in fiscal 2020 and 2019 were 25.6% and 24.6%, respectively.

Our EPS was \$3.16 in fiscal 2020, compared to \$2.84 in fiscal 2019. On the same basis as our adjusted operating income and excluding non-recurring tax benefits in fiscal 2019, EPS was \$3.26 in fiscal 2020, compared to \$3.17 last year.

Segment Results of Operations

Government Services Group ("GSG")

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,778,922	\$ 1,820,671	\$ (41,749)	(2.3)%
Subcontractor costs	(478,839)	(491,290)	12,451	2.5
Revenue, net of subcontractor costs	\$ 1,300,083	\$ 1,329,381	\$ (29,298)	(2.2)
Income from operations	\$ 168,669	\$ 185,263	\$ (16,594)	(9.0)

Revenue and revenue, net of subcontractor costs, decreased \$41.7 million, or 2.3%, and \$29.3 million, or 2.2%, respectively, in fiscal 2020 compared to fiscal 2019. These declines primarily reflect the previously described decrease in revenue from disaster response activities related to California wildfires offset by revenue from acquisitions, which did not have comparable revenue in fiscal 2019. Excluding the contributions from acquisitions and the California wildfire disaster response activities, our revenue in fiscal 2020 was substantially the same as fiscal 2019 as increases in federal information technology activity were offset by lower international development revenue.

Operating income decreased \$16.6 million in fiscal 2020 compared to fiscal 2019 primarily reflecting the lower disaster response revenue. Also, we incurred \$1.6 million of incremental costs for actions to respond to the COVID-19 pandemic in the second quarter of fiscal 2020. Our operating margin, based on revenue, net of subcontractor costs, was 13.0% in fiscal 2020 compared to 13.9% last year. Excluding the COVID-19 charges, our operating margin was 13.1% in fiscal 2020.

Commercial/International Services Group ("CIG")

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,266,059	\$ 1,342,509	\$ (76,450)	(5.7)%
Subcontractor costs	(217,547)	(279,468)	61,921	22.2
Revenue, net of subcontractor costs	<u>\$ 1,048,512</u>	<u>\$ 1,063,041</u>	<u>\$ (14,529)</u>	<u>(1.4)</u>
Income from operations	\$ 114,022	\$ 79,633	\$ 34,389	43.2

Revenue and revenue, net of subcontractor costs, decreased \$76.5 million, or 5.7%, and \$14.5 million, or 1.4%, respectively, in fiscal 2020 compared to fiscal 2019. Our year-over-year revenue comparisons were impacted by the disposal of our Canadian turn-key pipeline activities in the fourth quarter of fiscal 2019, and a reduction in revenue and a corresponding charge to operating income of \$13.7 million in fiscal 2019 for a remediation project where the work was substantially performed in prior years. Excluding the disposal and the fiscal 2019 claim resolution, our revenue decreased 2.2% due to lower subcontractor activity and the adverse impact of the COVID-19 pandemic on our U.S. and international commercial revenue.

Operating income increased \$34.4 million in fiscal 2020 compared to last year. This comparison was also impacted by the disposal of our Canadian turn-key pipeline activities. Our fiscal 2020 operating income includes gains of \$8.5 million from the disposition of non-core equipment and our fiscal 2019 operating income includes charges of \$10.9 million related to these activities. In addition, we incurred \$6.6 million of incremental costs for actions to respond to the COVID-19 pandemic in the second quarter of fiscal 2020. Excluding the Canadian turn-key pipeline activities, the COVID-19 charges, and the aforementioned \$13.7 million claim in fiscal 2019, our operating income increased \$7.9 million, or 7.5%, in fiscal 2020 compared to fiscal 2019. On the same basis, our operating margin, based on revenue, net of subcontractor costs, improved to 10.7% in fiscal 2020 from 9.7% last year.

Remediation and Construction Management ("RCM")

	Fiscal Year Ended			
	September 27, 2020	September 29, 2019	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 198	\$ (1,542)	\$ 1,740	NM
Subcontractor costs	(221)	(1,243)	1,022	NM
Revenue, net of subcontractor costs	<u>\$ (23)</u>	<u>\$ (2,785)</u>	<u>\$ 2,762</u>	NM
Loss from operations	\$ —	\$ (5,933)	\$ 5,933	NM

RCM's projects were substantially complete at the end of fiscal 2018. The operating loss of \$5.9 million in fiscal 2019 reflects reductions of revenue and related operating losses based on updated evaluations of unsettled claim amounts for two construction projects that were completed in prior years.

Fiscal 2020 and 2019 Earn-Out Adjustments

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. We recorded adjustments to our contingent earn-out liabilities and reported net gains of \$15.0 million and losses of \$1.1 million in fiscal 2020 and 2019, respectively. The fiscal 2020 net gains primarily resulted from updated valuations of the contingent consideration liabilities for eGlobalTech ("EGT"), Norman, Disney and Young ("NDY"), and Segue Technologies, Inc. ("SEG"). These valuations included updated projections of EGT's, NDY's, and SEG's financial performance during the earn-out periods, which were below our original estimates at their respective acquisition dates. In addition, we recognized charges of \$1.6 million and \$2.0 million in fiscal 2020 and 2019, respectively, that related to the earn-out for Glumac. These charges were treated as compensation in selling, general and administrative expenses due to the terms of the arrangement, which included an on-going service requirement for a portion of the earn-out.

At September 27, 2020, there was a total maximum of \$70.9 million of outstanding contingent consideration related to acquisitions. Of this amount, \$32.6 million was estimated as the fair value and accrued on our consolidated balance sheet.

Fiscal 2020 and 2019 Impairment of Goodwill

On September 2, 2020, Australia announced that it had fallen into economic recession, defined as two consecutive quarters of negative growth, for the first time since 1991 including 7% negative growth in the quarter ending in June 2020. This prompted a strategic review of our Asia/Pacific ("ASP") reporting unit, which is in our CIG reportable segment. As a result of the economic recession in Australia, our revenue growth and profit margin forecasts for the ASP reporting unit declined from the previous forecast used for our annual goodwill impairment review as of June 29, 2020. We also performed an interim goodwill impairment review of our ASP reporting unit in September 2020 and recorded a \$15.8 million goodwill impairment charge. The impaired goodwill related to our acquisitions of Coffey and NDY. As a result of the impairment charge, the estimated fair value of our ASP reporting unit equals its carrying value of \$144.9 million, including \$95.5 million of goodwill, at September 27, 2020. If the financial performance of the operations in our ASP reporting unit were to deteriorate or fall below our forecasts, the related goodwill may become further impaired.

During the fourth quarter of fiscal 2019, we performed a strategic review of all operations. As a result, we decided to dispose of our turn-key pipeline activities in Western Canada in our Remediation and Field Services ("RFS") reporting unit, which is in our CIG reportable segment. As a result, we incurred severance and project-related charges related to the disposition of \$10.9 million, which were reported in the CIG segment's operating income. We also performed an interim goodwill impairment review of our RFS reporting unit and recorded a \$7.8 million goodwill impairment charge. The impaired goodwill related to our acquisition of Parkland Pipeline Contractors Ltd. As a result of the impairment charge, the estimated fair value of the RFS reporting unit equaled its carrying value at September 29, 2019. If the financial performance of the remaining operations in our RFS reporting unit were to deteriorate or fall below our forecasts, the related goodwill may become further impaired.

Fiscal 2019 Compared to Fiscal 2018

Consolidated Results of Operations

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 3,107,348	\$ 2,964,148	\$ 143,200	4.8%
Subcontractor costs	(717,711)	(763,414)	45,703	6.0
Revenue, net of subcontractor costs ⁽¹⁾	2,389,637	2,200,734	188,903	8.6
Other costs of revenue	(1,981,454)	(1,816,276)	(165,178)	(9.1)
Gross profit	408,183	384,458	23,725	6.2
Selling, general and administrative expenses	(200,230)	(190,120)	(10,110)	(5.3)
Acquisition and integration expenses	(10,351)	—	(10,351)	NM
Contingent consideration – fair value adjustments	(1,085)	(4,252)	3,167	74.5
Impairment of goodwill	(7,755)	—	(7,755)	NM
Income from operations	188,762	190,086	(1,324)	(0.7)
Interest expense – net	(13,626)	(15,524)	1,898	12.2
Income before income tax expense	175,136	174,562	574	0.3
Income tax expense	(16,375)	(37,605)	21,230	56.5
Net income	158,761	136,957	21,804	15.9
Net income attributable to noncontrolling interests	(93)	(74)	(19)	(25.7)
Net income attributable to Tetra Tech	\$ 158,668	\$ 136,883	\$ 21,785	15.9
Diluted earnings per share	\$ 2.84	\$ 2.42	\$ 0.42	17.4

⁽¹⁾ We believe that the presentation of "Revenue, net of subcontractor costs", which is a non-U.S. GAAP financial measure, enhances investors' ability to analyze our business trends and performance because it substantially measures the work performed by our employees. In the course of providing services, we routinely subcontract various services and, under certain USAID programs, issue grants. Generally, these subcontractor costs and grants are passed through to our clients and, in accordance with U.S. GAAP and industry practice, are included in our revenue when it is our contractual responsibility to procure or manage these activities. Because subcontractor services can vary significantly from project to project and period to period, changes in revenue may not necessarily be indicative of our business trends. Accordingly, we segregate subcontractor costs from revenue to promote a better understanding of our business by evaluating revenue exclusive of costs associated with external service providers.

NM = not meaningful

The following table reconciles our reported results to non-U.S. GAAP adjusted results, which exclude RCM results and certain non-operating accounting-related adjustments, such as acquisition and integration costs, gains/losses from adjustments to contingent consideration, and non-recurring tax benefits. Adjusted results also exclude charges from the disposal of our Canadian turn-key pipeline activities in fiscal 2019 and losses from the divestitures of our non-core utility field services operations and other non-core assets in fiscal 2018. The disposal in fiscal 2019 also resulted in a \$7.8 million goodwill impairment charge that is excluded from our adjusted results. Our fiscal 2019 adjusted results exclude a reduction of revenue and a corresponding charge to operating income of \$13.7 million from a claim that was resolved in the fourth quarter of fiscal 2019 for a remediation project, where the work was substantially performed in prior years. In addition, our fiscal 2018 adjusted results also exclude a reduction of revenue of \$10.6 million and a related charge to operating income of \$12.5 million from a claim settlement in the fourth quarter of fiscal 2018 for a fixed-price construction project that was completed in fiscal 2014. The effective tax rates applied to the adjustments to EPS to arrive at adjusted EPS averaged 16% and 28% in fiscal 2019 and 2018, respectively. The goodwill impairment charge and certain of the transaction charges in fiscal 2019 did not have a related tax benefit. Excluding these items, the effective tax rate applied to adjustments in fiscal 2019 was 26%. We applied the relevant marginal statutory tax rate based on the nature of the adjustments and tax jurisdiction in which they occur. Both EPS and adjusted EPS were calculated using diluted weighted-average common shares outstanding for the respective periods as reflected in our consolidated statements of income.

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
Revenue	\$ 3,107,348	\$ 2,964,148	\$ 143,200	4.8%
RCM	1,542	(14,199)	15,741	NM
Claims	13,700	10,576	3,124	NM
Adjusted revenue ⁽¹⁾	\$ 3,122,590	\$ 2,960,525	\$ 162,065	5.5
Revenue	\$ 3,107,348	\$ 2,964,148	\$ 143,200	4.8
Subcontractor costs	(717,711)	(763,414)	45,703	NM
Revenue, net of subcontractor costs	\$ 2,389,637	\$ 2,200,734	\$ 188,903	8.6
RCM	2,785	(2,648)	5,433	NM
Claims	13,700	10,576	3,124	NM
Adjusted revenue, net of subcontractor costs ⁽¹⁾	\$ 2,406,122	\$ 2,208,662	\$ 197,460	8.9
Income from operations	\$ 188,762	\$ 190,086	\$ (1,324)	(0.7)
Earn-out expense	3,085	5,753	(2,668)	NM
RCM	5,933	4,573	1,360	NM
Claims	13,700	12,457	1,243	NM
Non-core divestitures	18,701	3,434	15,267	NM
Acquisition/Integration	10,351	—	10,351	NM
Adjusted income from operations ⁽¹⁾	\$ 240,532	\$ 216,303	\$ 24,229	11.2
EPS	\$ 2.84	\$ 2.42	\$ 0.42	17.4
Earn-out expense	0.04	0.08	(0.04)	NM
RCM	0.08	0.06	0.02	NM
Claims	0.18	0.16	0.02	NM
Non-core divestitures	0.28	0.11	0.17	NM
Acquisition/Integration	0.19	—	0.19	NM
Non-recurring tax benefits	(0.44)	(0.19)	(0.25)	NM
Adjusted EPS ⁽¹⁾	\$ 3.17	\$ 2.64	\$ 0.53	20.1

NM = not meaningful

⁽¹⁾ Non-U.S. GAAP financial measure

In fiscal 2019, revenue and revenue, net of subcontractor costs, increased \$143.2 million, or 4.8%, and \$188.9 million, or 8.6%, respectively, compared to fiscal 2018. Our adjusted revenue and revenue, net of subcontractor costs, increased \$162.1

million, or 5.5%, and \$197.5 million, or 8.9%, respectively, compared to fiscal 2018. This growth includes contributions from the fiscal 2019 acquisitions of EGT and WYG, partially offset by the impact of the divestiture of our non-core utility field services operations in fiscal 2018. Excluding the net impact from these transactions, our adjusted revenue and revenue, net of subcontractor costs, grew \$144.2 million, or 5.0%, and \$180.5 million, or 8.3%, in fiscal 2019 compared to fiscal 2018. This growth primarily reflects continued growth in our U.S. state and local government water infrastructure revenue. In addition, our revenue from disaster response and recovery planning projects increased compared to fiscal 2018. Our U.S. state and local government adjusted revenue and revenue, net of subcontractor costs, increased \$132.3 million, or 28.8%, and \$90.7 million, or 27.1%, respectively, in fiscal 2019 compared to fiscal 2018. Additionally, in fiscal 2019, our international adjusted revenue, net of subcontractor costs, increased \$98.6 million, or 16.3%, primarily due to increased activity in Canada.

Our operating income decreased \$1.3 million in fiscal 2019 compared to fiscal 2018. Our operating income in fiscal 2019 was reduced by WYG-related acquisition and integration expenses of \$10.4 million. For further detailed information regarding these expenses, see "Fiscal 2019 Acquisition and Integration Expenses" below. In addition, our operating income reflects losses of \$1.1 million and \$4.3 million related to changes in the estimated fair value of contingent earn-out liabilities and related compensation charges of \$2.0 million and \$1.5 million in fiscal 2019 and 2018, respectively. These earn-out charges are described below under "Fiscal 2019 and 2018 Earn-Out Adjustments." The loss from exited construction activities in our RCM segment was \$5.9 million in fiscal 2019 compared to \$4.6 million in fiscal 2018. Our RCM results are described below under "Remediation and Construction Management." Additionally, our operating income for fiscal 2019 includes charges of \$10.9 million related to the planned disposal of our turn-key pipeline activities in Western Canada. This disposal also resulted in a non-cash goodwill impairment charge of \$7.8 million in fiscal 2019. Both of these charges are described above under "Fiscal 2020 and 2019 Impairment of Goodwill." Our operating income in fiscal 2018, also includes losses of \$3.4 million related to the divestitures of our non-core utility field services operations and other non-core assets. These losses are reported in selling, general and administrative expenses in our consolidated statements of income.

Excluding these items and the aforementioned claims in fiscal 2019 and 2018, adjusted operating income increased \$24.2 million, or 11.2%, in fiscal 2019 compared to fiscal 2018. The increase reflects improved results in both our GSG and CIG segments. GSG's operating income increased \$17.1 million in fiscal 2019 compared to fiscal 2018. These results are described below under "Government Services Group." CIG's operating income increased \$5.2 million (\$17.4 million on an adjusted basis) in fiscal 2019 compared to fiscal 2018. These results are described below under "Commercial/International Services Group."

Interest expense, net of interest income, was \$13.6 million in fiscal 2019, compared to \$15.5 million in fiscal 2018. The decreases reflect reduced borrowings, partially offset by higher interest rates (primarily LIBOR).

The effective tax rates for fiscal 2019 and 2018 were 9.3% and 21.5%, respectively. These tax rates reflect the impact of the comprehensive tax legislation enacted by the U.S. government on December 22, 2017, which is commonly referred to as the TCJA. The TCJA significantly revised the U.S. corporate income tax regime by, among other things, lowering the U.S. corporate tax rate from 35% to 21% effective January 1, 2018, while also repealing the deduction for domestic production activities, limiting the deductibility of certain executive compensation, and implementing a modified territorial tax system with the introduction of the Global Intangible Low-Taxed Income ("GILTI") tax rules. The TCJA also imposed a one-time transition tax on deemed repatriation of historical earnings of foreign subsidiaries. In fiscal 2019, we finalized our fiscal 2018 U.S. federal tax return and recorded a \$2.4 million tax expense with respect to the one-time transition tax on foreign earnings. As we have a September 30 fiscal year-end, our U.S. federal corporate income tax rate was blended in fiscal 2018, resulting in a statutory federal rate of 24.5% (3 months at 35% and 9 months at 21%), and was 21% in fiscal 2019.

U.S. GAAP requires that the impact of tax legislation be recognized in the period in which the tax law was enacted. As a result of the TCJA, we reduced our deferred tax liabilities and recorded a deferred tax benefit of \$10.1 million in fiscal 2018 to reflect our estimate of temporary differences in the United States that were to be recovered or settled in fiscal 2018 based on the 24.5% blended corporate tax rate or based on the 21% tax rate in fiscal 2019 and beyond versus the previous enacted 35% corporate tax rate. We finalized this analysis in the first quarter of fiscal 2019 and recorded an additional deferred tax benefit of \$2.6 million.

Valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence being obtained in fiscal 2019. The valuation allowances were primarily related to net operating loss and Research and Development credit carry-forwards and other temporary differences. Excluding the net deferred tax benefits from the TCJA and the release of the valuation allowance, our effective tax rate was 21.9% in fiscal 2019 compared to 25.1% in fiscal 2018; the reduction is primarily due to the reduced U.S. corporate income tax rate.

With respect to the GILTI provisions of the TCJA, we had analyzed our structure and global results of operations and expected a GILTI tax of \$0.4 million for fiscal 2019, which was included in our fiscal 2019 income tax expense.

Our EPS was \$2.84 in fiscal 2019, compared to \$2.42 in fiscal 2018. On the same basis as our adjusted operating income and excluding non-recurring tax benefits, adjusted EPS was \$3.17 in fiscal 2019, compared to \$2.64 in fiscal 2018.

Segment Results of Operations

Government Services Group ("GSG")

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,820,671	\$ 1,694,871	\$ 125,800	7.4%
Subcontractor costs	(491,290)	(482,537)	(8,753)	(1.8)
Revenue, net of subcontractor costs	<u>\$ 1,329,381</u>	<u>\$ 1,212,334</u>	<u>\$ 117,047</u>	9.7
Income from operations	\$ 185,263	\$ 168,211	\$ 17,052	10.1

Revenue and revenue, net of subcontractor costs, increased \$125.8 million, or 7.4%, and \$117.0 million, or 9.7%, respectively, in fiscal 2019 compared to fiscal 2018. These increases include contributions from the aforementioned acquisitions in fiscal 2019. Excluding these contributions, revenue and revenue, net of subcontractor costs, increased 4.8% and 6.9%, respectively, in fiscal 2019 compared to fiscal 2018. These increases reflect continued broad-based growth in our U.S. state and local government project-related infrastructure revenue. In addition, our revenue from disaster response and recovery planning projects increased compared to fiscal 2018. Overall, our U.S. state and local government adjusted revenue, net of subcontractor costs, increased \$136.7 million and \$85.7 million, respectively in fiscal 2019 compared to fiscal 2018. Operating income increased \$17.1 million in fiscal 2019 compared to fiscal 2018, primarily reflecting the higher U.S. state and local revenue. Our operating margin, based on revenue, net of subcontractor costs, was stable at 13.9% in both fiscal 2019 and 2018.

Commercial/International Services Group ("CIG")

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ 1,342,509	\$ 1,323,142	\$ 19,367	1.5%
Subcontractor costs	(279,468)	(337,390)	57,922	17.2
Revenue, net of subcontractor costs	<u>\$ 1,063,041</u>	<u>\$ 985,752</u>	<u>\$ 77,289</u>	7.8
Income from operations	\$ 79,633	\$ 74,451	\$ 5,182	7.0

Revenue and revenue, net of subcontractor costs, increased \$19.4 million, or 1.5%, and \$77.3 million, or 7.8%, respectively, in fiscal 2019 compared to fiscal 2018. Our fiscal 2019 results included a reduction of revenue and a corresponding non-cash charge to operating income of \$13.7 million from a claim that was resolved in the fourth quarter of fiscal 2019 for a remediation project, where the work was substantially performed in prior years. Excluding this claim and the net impact of the aforementioned acquisitions/divestiture, revenue and revenue, net of subcontractor costs, increased 4.0% and 10.3%, respectively, in fiscal 2019 compared to fiscal 2018. These increases primarily reflect increased international revenue, particularly for broad-based activities in Canada and renewable energy projects globally. Operating income increased \$5.2 million in fiscal 2019 compared to fiscal 2018 reflecting the higher revenue. In addition to the aforementioned claim resolution, operating income in fiscal 2019 included the previously described charges of \$10.9 million related to the planned disposal of our Canadian turn-key pipeline operations. Operating income in fiscal 2018 included a \$12.5 million charge for a claim settlement for a fixed-price construction project that was completed in fiscal 2014. Excluding these charges, our operating income increased \$17.4 million in fiscal 2019 compared to fiscal 2018, and our operating margin, based on revenue, net of subcontractor costs, improved to 9.8% in fiscal 2019 from 8.8% in fiscal 2018.

Remediation and Construction Management ("RCM")

	Fiscal Year Ended			
	September 29, 2019	September 30, 2018	Change	
			\$	%
	(\$ in thousands)			
Revenue	\$ (1,542)	\$ 14,199	\$ (15,741)	NM
Subcontractor costs	(1,243)	(11,551)	10,308	89.2
Revenue, net of subcontractor costs	<u>\$ (2,785)</u>	<u>\$ 2,648</u>	<u>\$ (5,433)</u>	NM
Loss from operations	\$ (5,933)	\$ (4,573)	\$ (1,360)	(29.7)

NM = not meaningful

RCM's projects were substantially complete at the end of fiscal 2018. The operating loss of \$5.9 million in fiscal 2019 reflects reductions of revenue and related operating losses based on updated evaluations of unsettled claim amounts for two construction projects that were completed in prior years. The operating loss in fiscal 2018 primarily reflects legal costs related to outstanding claims. We recorded no material gains or losses related to claims in fiscal 2018.

Fiscal 2019 Acquisition and Integration Expenses

In fiscal 2019, we incurred acquisition and integration expenses of \$10.4 million related to the WYG acquisition. These expenses included \$3.3 million of acquisition expenses that were primarily for professional services, such as legal and investment banking, to support the transaction and were all paid in the fourth quarter of fiscal 2019. Subsequent to the acquisition date, we also recorded charges of \$7.1 million for integration activities, including the elimination of redundant general and administrative costs, real estate consolidation, and conversion of information technology platforms, substantially all of which were paid in fiscal 2020.

Fiscal 2019 and 2018 Earn-Out Adjustments

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. We recorded adjustments to our contingent earn-out liabilities and reported losses of \$1.1 million and \$4.3 million in fiscal 2019 and 2018, respectively. The fiscal 2018 losses resulted from updated valuations of the contingent consideration liabilities for NDY, Eco Logical Australia ("ELA") and Cornerstone Environmental Group ("CEG"). These valuations included updated projections of NDY's, ELA's, and CEG's financial performance during the earn-out periods, which exceeded our original estimates at their respective acquisition dates. In addition, we recognized charges of \$2.0 million and \$1.5 million in fiscal 2019 and 2018, respectively, that related to the earn-out for Glumac. These charges were treated as compensation in selling, general and administrative expenses due to the terms of the arrangement, which included an on-going service requirement for a portion of the earn-out.

At September 29, 2019, there was a total maximum of \$72.4 million of outstanding contingent consideration related to acquisitions. Of this amount, \$53.0 million was estimated as the fair value and accrued on our consolidated balance sheet.

FINANCIAL CONDITION, LIQUIDITY AND CAPITAL RESOURCES

Capital Requirements. As of September 27, 2020, we had \$157.5 million of cash and cash equivalents and access to an additional \$722 million of borrowings available under our credit facility. During fiscal 2020, we generated \$262 million of cash from operations. To date, we have not experienced any significant deterioration in our financial condition or liquidity due to the COVID-19 pandemic and our credit facilities remain available.

Our primary sources of liquidity are cash flows from operations and borrowings under our credit facilities. Our primary uses of cash are to fund working capital, capital expenditures, stock repurchases, cash dividends and repayment of debt, as well as to fund acquisitions and earn-out obligations from prior acquisitions. We believe that our existing cash and cash equivalents, operating cash flows and borrowing capacity under our credit agreement, as described below, will be sufficient to meet our capital requirements for at least the next 12 months including any additional resources needed to address the COVID-19 pandemic.

We use a variety of tax planning and financing strategies to manage our worldwide cash and deploy funds to locations where they are needed. At September 27, 2020, undistributed earnings of our foreign subsidiaries, primarily in Canada, amounting to approximately \$66.9 million are expected to be permanently reinvested in these foreign countries. Accordingly, no provision for foreign withholding taxes has been made. Upon distribution of those earnings, we would be subject to foreign withholding taxes. Assuming the permanently reinvested foreign earnings were repatriated under the laws and rates applicable

at September 27, 2020, the incremental foreign withholding taxes applicable to those earnings would be approximately \$2.0 million. We currently have no need or plans to repatriate undistributed foreign earnings in the foreseeable future; however, this could change due to varied economic circumstances or modifications in tax law.

On November 5, 2018, the Board of Directors authorized a stock repurchase program ("2019 Program") under which we could repurchase up to \$200 million of our common stock. This was in addition to the \$25 million remaining as of fiscal 2018 year-end under the previous stock repurchase program ("2018 Program"). On January 27, 2020, the Board of Directors authorized a new \$200 million stock repurchase program ("2020 Program"). In fiscal 2019, we expended \$100 million to repurchase our stock under these programs. In fiscal 2020, we paid an additional \$117.2 million for share repurchases. As a result, we had a remaining balance of \$207.8 million available under the 2019 and 2020 programs. We declared and paid common stock dividends totaling \$34.7 million, or \$0.64 per share, in fiscal 2020 compared to \$29.7 million, or \$0.54 per share, in fiscal 2019.

Subsequent Event. On November 9, 2020, the Board of Directors declared a quarterly cash dividend of \$0.17 per share payable on December 11, 2020 to stockholders of record as of the close of business on November 30, 2020.

Cash and Cash Equivalents. As of September 27, 2020, cash and cash equivalents were \$157.5 million, an increase of \$36.6 million compared to the fiscal 2019 year-end. The increase was due to net cash provided by operating activities, primarily due to shorter collection periods for accounts receivable, and increased proceeds from sale of equipment. These increases were partially offset by stock repurchases, dividends, acquisitions and contingent earn-out payments.

Operating Activities. For fiscal 2020, net cash provided by operating activities was \$262.5 million compared to \$208.5 million in fiscal 2019. The increase was primarily due to strong cash collections on our accounts receivable.

Investing Activities. Net cash used in investing activities was \$63.0 million in fiscal 2020, a decrease of \$36.7 million compared to last year. The change resulted from lower payments for acquisitions in fiscal 2020 compared to last year and the proceeds from sales of equipment related to the disposal of our Canadian turn-key pipeline activities.

Financing Activities. For fiscal 2020, net cash used in financing activities was \$163.0 million, an increase of \$28.0 million compared to fiscal 2019. The change was primarily due to increased stock repurchases and contingent earn-out payments.

Debt Financing. On July 30, 2018, we entered into a Second Amended and Restated Credit Agreement ("Amended Credit Agreement") with a total borrowing capacity of \$1 billion that will mature in July 2023. The Amended Credit Agreement is a \$700 million senior secured, five-year facility that provides for a \$250 million term loan facility (the "Amended Term Loan Facility"), a \$450 million revolving credit facility (the "Amended Revolving Credit Facility"), and a \$300 million accordion feature that allows us to increase the Amended Credit Agreement to \$1 billion subject to lender approval. The Amended Credit Agreement allows us to, among other things, (i) refinance indebtedness under our Credit Agreement dated as of May 7, 2013; (ii) finance certain permitted open market repurchases of our common stock, permitted acquisitions, and cash dividends and distributions; and (iii) utilize the proceeds for working capital, capital expenditures and other general corporate purposes. The Amended Revolving Credit Facility includes a \$100 million sublimit for the issuance of standby letters of credit, a \$20 million sublimit for swingline loans, and a \$200 million sublimit for multicurrency borrowings and letters of credit.

The entire Amended Term Loan Facility was drawn on July 30, 2018. The Amended Term Loan Facility is subject to quarterly amortization of principal at 5% annually beginning December 31, 2018. We may borrow on the Amended Revolving Credit Facility, at our option, at either (a) a Eurocurrency rate plus a margin that ranges from 1.00% to 1.75% per annum, or (b) a base rate for loans in U.S. dollars (the highest of the U.S. federal funds rate plus 0.50% per annum, the bank's prime rate or the Eurocurrency rate plus 1.00%) plus a margin that ranges from 0% to 0.75% per annum. In each case, the applicable margin is based on our Consolidated Leverage Ratio, calculated quarterly. The Amended Term Loan Facility is subject to the same interest rate provisions. The Amended Credit Agreement expires on July 30, 2023, or earlier at our discretion upon payment in full of loans and other obligations.

At September 27, 2020, we had \$254.9 million in outstanding borrowings under the Amended Credit Agreement, which was comprised of \$228.1 million under the Amended Term Loan Facility and \$26.8 million outstanding under the Amended Revolving Credit Facility at a year-to-date weighted-average interest rate of 2.31% per annum. In addition, we had \$0.7 million in standby letters of credit under the Amended Credit Agreement. Our average effective weighted-average interest rate on borrowings outstanding during the year-to-date period ended September 27, 2020 under the Amended Credit Agreement, including the effects of interest rate swap agreements described in Note 14, "Derivative Financial Instruments" of the "Notes to Consolidated Financial Statements" included in Item 8, was 3.52%. At September 27, 2020, we had \$422.4 million of available credit under the Amended Revolving Credit Facility, all of which could be borrowed without a violation of our debt covenants. Commitment fees related to our revolving credit facilities were \$0.7 million, \$0.7 million, and \$0.6 million for fiscal 2020, 2019 and 2018, respectively.

The Amended Credit Agreement contains certain affirmative and restrictive covenants, and customary events of default. The financial covenants provide for a maximum Consolidated Leverage Ratio of 3.00 to 1.00 (total funded debt/EBITDA, as defined in the Amended Credit Agreement) and a minimum Consolidated Interest Coverage Ratio of 3.00 to 1.00 (EBITDA/Consolidated Interest Charges, as defined in the Amended Credit Agreement). Our obligations under the Amended Credit Agreement are guaranteed by certain of our domestic subsidiaries and are secured by first priority liens on (i) the equity interests of certain of our subsidiaries, including those subsidiaries that are guarantors or borrowers under the Amended Credit Agreement, and (ii) the accounts receivable, general intangibles and intercompany loans, and those of our subsidiaries that are guarantors or borrowers. At September 27, 2020, we were in compliance with these covenants with a consolidated leverage ratio of 1.10x and a consolidated interest coverage ratio of 19.76x.

In addition to the Amended Credit Agreement, we maintain other credit facilities, which may be used for bank overdrafts, short-term cash advances and bank guarantees. At September 27, 2020, there was \$36.6 million outstanding under these facilities and the aggregate amount of standby letters of credit outstanding was \$69.7 million. As of September 27, 2020, we had bank overdrafts of \$33.6 million related to our U.S. disbursement bank accounts. This balance is reported in the "Current portion of long-term debt and other short-term borrowings" within our fiscal 2020 year-end consolidated balance sheet. The change in bank overdraft balance is classified as cash flows from financing activities within our consolidated statements of cash flows as we believe these overdrafts to be a form of short-term financing from the bank due to our ability to fund the overdraft with the \$50.0 million overdraft protection on the bank accounts or our other credit facilities if needed.

Inflation. We believe our operations have not been, and, in the foreseeable future, are not expected to be, materially adversely affected by inflation or changing prices due to the average duration of our projects and our ability to negotiate prices as contracts end and new contracts begin.

Dividends. Our Board of Directors has authorized the following dividends:

	Dividend Per Share	Record Date	Total Maximum Payment (in thousands)	Payment Date
November 11, 2019	\$ 0.15	December 2, 2019	\$ 8,190	December 13, 2019
January 27, 2020	\$ 0.15	February 12, 2020	\$ 8,225	February 28, 2020
April 27, 2020	\$ 0.17	May 13, 2020	\$ 9,175	May 27, 2020
July 27, 2020	\$ 0.17	August 21, 2020	\$ 9,153	September 4, 2020
November 9, 2020	\$ 0.17	November 30, 2020	N/A	December 11, 2020

Contractual Obligations. The following sets forth our contractual obligations at September 27, 2020:

	Total	Year 1	Years 2 - 3	Years 4 - 5	Beyond
	(in thousands)				
Debt:					
Credit facility	\$ 291,522	\$ 49,127	\$ 242,395	\$ —	\$ —
Other debt	137	137	—	—	—
Interest ⁽¹⁾	9,326	3,439	5,887	—	—
Operating leases ⁽²⁾	333,810	88,069	141,736	56,513	47,492
Contingent earn-outs ⁽³⁾	32,617	16,142	16,475	—	—
Other long-term obligations ⁽⁴⁾	39,599	1,841	2,561	245	34,952
Unrecognized tax benefits ⁽⁵⁾	9,650	7,633	1,694	323	—
Total	\$ 716,661	\$ 166,388	\$ 410,748	\$ 57,081	\$ 82,444

⁽¹⁾ Interest primarily related to the Term Loan Facility is based on a weighted-average interest rate at September 27, 2020, on borrowings that are presently outstanding.

⁽²⁾ Predominantly represents leases for our Corporate and project office spaces.

⁽³⁾ Represents the estimated fair value recorded for contingent earn-out obligations for acquisitions. The remaining maximum contingent earn-out obligations for these acquisitions total \$70.9 million.

⁽⁴⁾ Predominantly represents deferred compensation liability.

⁽⁵⁾ Represents liabilities for unrecognized tax benefits related to uncertain tax positions, excluding amounts related primarily to outstanding refund claims. For more information, see Note 8, "Income Taxes" of the "Notes to Consolidated Financial Statements" included in Item 8.

Income Taxes

We evaluate the realizability of our deferred tax assets by assessing the valuation allowance and adjust the allowance, if necessary. The factors used to assess the likelihood of realization are our forecast of future taxable income and available tax planning strategies that could be implemented to realize the net deferred tax assets. The ability or failure to achieve the forecasted taxable income in the applicable taxing jurisdictions could affect the ultimate realization of deferred tax assets. Based on future operating results in certain jurisdictions, it is possible that the current valuation allowance positions of those jurisdictions could be adjusted in the next 12 months, particularly in the United Kingdom where we have a valuation allowance of approximately \$14 million primarily related to the realizability of net operating loss carry-forwards.

As of September 27, 2020 and September 29, 2019, the liability for income taxes associated with uncertain tax positions was \$9.7 million and \$8.8 million, respectively.

It is reasonably possible that the amount of the unrecognized benefit with respect to certain of our unrecognized tax positions may significantly decrease within the next 12 months. These changes would be the result of ongoing examinations.

Off-Balance Sheet Arrangements

In the ordinary course of business, we may use off-balance sheet arrangements if we believe that such arrangements would be an efficient way to lower our cost of capital or help us manage the overall risks of our business operations. We do not believe that such arrangements have had a material adverse effect on our financial position or our results of operations.

The following is a summary of our off-balance sheet arrangements:

- Letters of credit and bank guarantees are used primarily to support project performance and insurance programs. We are required to reimburse the issuers of letters of credit and bank guarantees for any payments they make under the outstanding letters of credit or bank guarantees. Our Amended Credit Agreement and additional letter of credit facilities cover the issuance of our standby letters of credit and bank guarantees and are critical for our normal operations. If we default on the Amended Credit Agreement or additional credit facilities, our inability to issue or renew standby letters of credit and bank guarantees would impair our ability to maintain normal operations. At September 27, 2020, we had \$0.7 million in standby letters of credit outstanding under our Amended Credit Agreement and \$69.7 million in standby letters of credit outstanding under our additional letter of credit facilities.
- From time to time, we provide guarantees and indemnifications related to our services. If our services under a guaranteed or indemnified project are later determined to have resulted in a material defect or other material deficiency, then we may be responsible for monetary damages or other legal remedies. When sufficient information about claims on guaranteed or indemnified projects is available and monetary damages or other costs or losses are determined to be probable, we recognize such guaranteed losses.

- In the ordinary course of business, we enter into various agreements as part of certain unconsolidated subsidiaries, joint ventures, and other jointly executed contracts where we are jointly and severally liable. We enter into these agreements primarily to support the project execution commitments of these entities. The potential payment amount of an outstanding performance guarantee is typically the remaining cost of work to be performed by or on behalf of third parties under engineering and construction contracts. However, we are not able to estimate other amounts that may be required to be paid in excess of estimated costs to complete contracts and, accordingly, the total potential payment amount under our outstanding performance guarantees cannot be estimated. For cost-plus contracts, amounts that may become payable pursuant to guarantee provisions are normally recoverable from the client for work performed under the contract. For lump sum or fixed-price contracts, this amount is the cost to complete the contracted work less amounts remaining to be billed to the client under the contract. Remaining billable amounts could be greater or less than the cost to complete. In those cases where costs exceed the remaining amounts payable under the contract, we may have recourse to third parties, such as owners, co-venturers, subcontractors or vendors, for claims.
- In the ordinary course of business, our clients may request that we obtain surety bonds in connection with contract performance obligations that are not required to be recorded in our consolidated balance sheets. We are obligated to reimburse the issuer of our surety bonds for any payments made thereunder. Each of our commitments under performance bonds generally ends concurrently with the expiration of our related contractual obligation.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

The preparation of our financial statements in conformity with U.S. GAAP requires us to make estimates and assumptions in the application of certain accounting policies that affect amounts reported in our consolidated financial statements and accompanying footnotes included in Item 8 of this report. In order to understand better the changes that may occur to our financial condition, results of operations and cash flows, readers should be aware of the critical accounting policies we apply and estimates we use in preparing our consolidated financial statements. Although such estimates and assumptions are based on management's best knowledge of current events and actions we may undertake in the future, actual results could differ materially from those estimates.

Our significant accounting policies are described in the "Notes to Consolidated Financial Statements" included in Item 8. Highlighted below are the accounting policies that management considers most critical to investors' understanding of our financial results and condition, and that require complex judgments by management.

Revenue Recognition and Contract Costs

To determine the proper revenue recognition method for contracts under ASC 606, we evaluate whether multiple contracts should be combined and accounted for as a single contract and whether the combined or single contract should be accounted for as having more than one performance obligation. The decision to combine a group of contracts or separate a combined or single contract into multiple performance obligations may impact the amount of revenue recorded in a given period. Contracts are considered to have a single performance obligation if the promises are not separately identifiable from other promises in the contracts.

At contract inception, we assess the goods or services promised in a contract and identify, as a separate performance obligation, each distinct promise to transfer goods or services to the customer. The identified performance obligations represent the "unit of account" for purposes of determining revenue recognition. In order to properly identify separate performance obligations, we apply judgment in determining whether each good or service provided is: (a) capable of being distinct, whereby the customer can benefit from the good or service either on its own or together with other resources that are readily available to the customer, and (b) distinct within the context of the contract, whereby the transfer of the good or service to the customer is separately identifiable from other promises in the contract.

Contracts are often modified to account for changes in contract specifications and requirements. We consider contract modifications to exist when the modification either creates new or changes the existing enforceable rights and obligations. Most of our contract modifications are for goods or services that are not distinct from existing contracts due to the significant integration provided or significant interdependencies in the context of the contract and are accounted for as if they were part of the original contract. The effect of a contract modification on the transaction price and our measure of progress for the performance obligation to which it relates, is recognized as an adjustment to revenue (either as an increase in or a reduction of revenue) on a cumulative catch-up basis.

We account for contract modifications as a separate contract when the modification results in the promise to deliver additional goods or services that are distinct and the increase in price of the contract is for the same amount as the stand-alone selling price of the additional goods or services included in the modification.

The transaction price represents the amount of consideration to which we expect to be entitled in exchange for transferring promised goods or services to our customers. The consideration promised within a contract may include fixed

amounts, variable amounts, or both. The nature of our contracts gives rise to several types of variable consideration, including claims, award fee incentives, fiscal funding clauses, and liquidated damages. We recognize revenue for variable consideration when it is probable that a significant reversal in the amount of cumulative revenue recognized for the contract will not occur. We estimate the amount of revenue to be recognized on variable consideration using either the expected value or the most likely amount method, whichever is expected to better predict the amount of consideration to be received. Project mobilization costs are generally charged to project costs as incurred when they are an integrated part of the performance obligation being transferred to the client.

Claims are amounts in excess of agreed contract prices that we seek to collect from our clients or other third parties for delays, errors in specifications and designs, contract terminations, change orders in dispute or unapproved as to both scope and price, or other causes of unanticipated additional costs. Factors considered in determining whether revenue associated with claims (including change orders in dispute and unapproved change orders in regard to both scope and price) should be recognized include the following: (a) the contract or other evidence provides a legal basis for the claim, (b) additional costs were caused by circumstances that were unforeseen at the contract date and not the result of deficiencies in our performance, (c) claim-related costs are identifiable and considered reasonable in view of the work performed, and (d) evidence supporting the claim is objective and verifiable. This can lead to a situation in which costs are recognized in one period and revenue is recognized in a subsequent period when a client agreement is obtained, or a claims resolution occurs. In some cases, contract retentions are withheld by clients until certain conditions are met or the project is completed, which may be several months or years. In these cases, we have not identified a significant financing component under ASC 606 as the timing difference in payment compared to delivery of obligations under the contract is not for purposes of financing.

For contracts with multiple performance obligations, we allocate the transaction price to each performance obligation using a best estimate of the standalone selling price of each distinct good or service in the contract. The standalone selling price is typically determined using the estimated cost of the contract plus a margin approach. For contracts containing variable consideration, we allocate the variability to a specific performance obligation within the contract if such variability relates specifically to our efforts to satisfy the performance obligation or transfer the distinct good or service, and the allocation depicts the amount of consideration to which we expect to be entitled.

We recognize revenue over time as the related performance obligation is satisfied by transferring control of a promised good or service to our customers. Progress toward complete satisfaction of the performance obligation is primarily measured using a cost-to-cost measure of progress method. The cost input is based primarily on contract cost incurred to date compared to total estimated contract cost. This measure includes forecasts based on the best information available and reflects our judgment to faithfully depict the value of the services transferred to the customer. For certain on-call engineering or consulting and similar contracts, we recognize revenue in the amount which we have the right to invoice the customer if that amount corresponds directly with the value of our performance completed to date.

Due to uncertainties inherent in the estimation process, it is possible that estimates of costs to complete a performance obligation will be revised in the near-term. For those performance obligations for which revenue is recognized using a cost-to-cost measure of progress method, changes in total estimated costs, and related progress towards complete satisfaction of the performance obligation, are recognized on a cumulative catch-up basis in the period in which the revisions to the estimates are made. When the current estimate of total costs indicates a loss, a provision for the entire estimated loss on the contract is made in the period in which the loss becomes evident.

Contract Types

Our services are performed under three principal types of contracts: fixed-price, time-and-materials and cost-plus. Customer payments on contracts are typically due within 60 days of billing, depending on the contract.

Fixed-Price. Under fixed-price contracts, clients pay us an agreed fixed-amount negotiated in advance for a specified scope of work.

Time-and-Materials. Under time-and-materials contracts, we negotiate hourly billing rates and charge our clients based on the actual time that we spend on a project. In addition, clients reimburse us for our actual out-of-pocket costs for materials and other direct incidental expenditures that we incur in connection with our performance under the contract. Most of our time-and-material contracts are subject to maximum contract values, and also may include annual billing rate adjustment provisions.

Cost-Plus. Under cost-plus contracts, we are reimbursed for allowed or otherwise defined costs incurred plus a negotiated fee. The contracts may also include incentives for various performance criteria, including quality, timeliness, ingenuity, safety and cost-effectiveness. In addition, our costs are generally subject to review by our clients and regulatory audit agencies, and such reviews could result in costs being disputed as non-reimbursable under the terms of the contract.

Insurance Matters, Litigation and Contingencies

In the normal course of business, we are subject to certain contractual guarantees and litigation. Generally, such guarantees relate to project schedules and performance. Most of the litigation involves us as a defendant in contractual disagreements, workers' compensation, personal injury and other similar lawsuits. We maintain insurance coverage for various aspects of our business and operations. However, we have elected to retain a portion of losses that may occur through the use of various deductibles, limits and retentions under our insurance programs. This practice may subject us to some future liability for which we are only partially insured or are completely uninsured.

We record in our consolidated balance sheets amounts representing our estimated liability for self-insurance claims. We utilize actuarial analyses to assist in determining the level of accrued liabilities to establish for our employee medical and workers' compensation self-insurance claims that are known and have been asserted against us, as well as for self-insurance claims that are believed to have been incurred based on actuarial analyses but have not yet been reported to our claims administrators at the balance sheet date. We include any adjustments to such insurance reserves in our consolidated statements of income.

Except as described in Note 17, "Commitments and Contingencies" of the "Notes to Consolidated Financial Statements" included in Item 8, we do not have any litigation or other contingencies that have had, or are currently anticipated to have, a material impact on our results of operations or financial position. As additional information about current or future litigation or other contingencies becomes available, management will assess whether such information warrants the recording of additional expenses relating to those contingencies. Such additional expenses could potentially have a material impact on our results of operations and financial position.

Goodwill and Intangibles

The cost of an acquired company is assigned to the tangible and intangible assets purchased and the liabilities assumed on the basis of their fair values at the date of acquisition. The determination of fair values of assets and liabilities acquired requires us to make estimates and use valuation techniques when a market value is not readily available. Any excess of purchase price over the fair value of net tangible and intangible assets acquired is allocated to goodwill. Goodwill typically represents the value paid for the assembled workforce and enhancement of our service offerings.

Identifiable intangible assets include backlog, non-compete agreements, client relations, trade names, patents and other assets. The costs of these intangible assets are amortized over their contractual or economic lives, which range from one to ten years. We assess the recoverability of the unamortized balance of our intangible assets when indicators of impairment are present based on expected future profitability and undiscounted expected cash flows and their contribution to our overall operations. Should the review indicate that the carrying value is not fully recoverable, the excess of the carrying value over the fair value of the intangible assets would be recognized as an impairment loss.

We perform our annual goodwill impairment review at the beginning of our fiscal fourth quarter. In addition, we regularly evaluate whether events and circumstances have occurred that may indicate a potential change in recoverability of goodwill. We perform interim goodwill impairment reviews between our annual reviews if certain events and circumstances have occurred, including a deterioration in general economic conditions, an increased competitive environment, a change in management, key personnel, strategy or customers, negative or declining cash flows, or a decline in actual or planned revenue or earnings compared with actual and projected results of relevant prior periods (see Note 6, "Goodwill and Intangible Assets" of the "Notes to Consolidated Financial Statements" in Item 8 for further discussion).

We believe the methodology that we use to review impairment of goodwill, which includes a significant amount of judgment and estimates, provides us with a reasonable basis to determine whether impairment has occurred. However, many of the factors employed in determining whether our goodwill is impaired are outside of our control and it is reasonably likely that assumptions and estimates will change in future periods. These changes could result in future impairments.

The goodwill impairment review involves the determination of the fair value of our reporting units, which for us are the components one level below our reportable segments. This process requires us to make significant judgments and estimates, including assumptions about our strategic plans with regard to our operations as well as the interpretation of current economic indicators and market valuations. Furthermore, the development of the present value of future cash flow projections includes assumptions and estimates derived from a review of our expected revenue growth rates, operating profit margins, business plans, discount rates, and terminal growth rates. We also make certain assumptions about future market conditions, market prices, interest rates and changes in business strategies. Changes in assumptions or estimates could materially affect the determination of the fair value of a reporting unit. This could eliminate the excess of fair value over carrying value of a reporting unit entirely and, in some cases, result in impairment. Such changes in assumptions could be caused by a loss of one or more significant contracts, reductions in government or commercial client spending, or a decline in the demand for our services due to changing economic conditions. In the event that we determine that our goodwill is impaired, we would be

required to record a non-cash charge that could result in a material adverse effect on our results of operations or financial position.

We use two methods to determine the fair value of our reporting units: (i) the Income Approach and (ii) the Market Approach. While each of these approaches is initially considered in the valuation of the business enterprises, the nature and characteristics of the reporting units indicate which approach is most applicable. The Income Approach utilizes the discounted cash flow method, which focuses on the expected cash flow of the reporting unit. In applying this approach, the cash flow available for distribution is calculated for a finite period of years. Cash flow available for distribution is defined, for purposes of this analysis, as the amount of cash that could be distributed as a dividend without impairing the future profitability or operations of the reporting unit. The cash flow available for distribution and the terminal value (the value of the reporting unit at the end of the estimation period) are then discounted to present value to derive an indication of the value of the business enterprise. The Market Approach is comprised of the guideline company method and the similar transactions method. The guideline company method focuses on comparing the reporting unit to select reasonably similar (or "guideline") publicly traded companies. Under this method, valuation multiples are (i) derived from the operating data of selected guideline companies; (ii) evaluated and adjusted based on the strengths and weaknesses of the reporting units relative to the selected guideline companies; and (iii) applied to the operating data of the reporting unit to arrive at an indication of value. In the similar transactions method, consideration is given to prices paid in recent transactions that have occurred in the reporting unit's industry or in related industries. For our annual impairment analysis, we weighted the Income Approach and the Market Approach at 70% and 30%, respectively. The Income Approach was given a higher weight because it has the most direct correlation to the specific economics of the reporting unit, as compared to the Market Approach, which is based on multiples of broad-based (i.e., less comparable) companies. Our last review at June 29, 2020 (i.e. the first day of our fourth quarter in fiscal 2020), indicated that we had no impairment of goodwill, and all of our reporting units had estimated fair values that were in excess of their carrying values, including goodwill. Our ASP reporting unit was the only reporting unit that had an estimated fair value that exceeded its carrying value by less than 20%.

On September 2, 2020, Australia announced that it had fallen into economic recession, defined as two consecutive quarters of negative growth, for the first time since 1991 including 7% negative growth in the quarter ending in June 2020. This prompted a strategic review of our ASP reporting unit, which is in our CIG reportable segment. As a result of the economic recession in Australia, our revenue growth and profit margin forecasts for the ASP reporting unit declined from the previous forecast used for our annual goodwill impairment review as of June 29, 2020. We also performed an interim goodwill impairment review of our ASP reporting unit in September 2020 and recorded a \$15.8 million goodwill impairment charge. The impaired goodwill related to our acquisitions of Coffey and NDY. As a result of the impairment charge, the estimated fair value of our ASP reporting unit equals its carrying value of \$144.9 million, including \$95.5 million of goodwill, at September 27, 2020.

Contingent Consideration

Certain of our acquisition agreements include contingent earn-out arrangements, which are generally based on the achievement of future operating income thresholds. The contingent earn-out arrangements are based upon our valuations of the acquired companies and reduce the risk of overpaying for acquisitions if the projected financial results are not achieved.

The fair values of these earn-out arrangements are included as part of the purchase price of the acquired companies on their respective acquisition dates. For each transaction, we estimate the fair value of contingent earn-out payments as part of the initial purchase price and record the estimated fair value of contingent consideration as a liability in "Estimated contingent earn-out liabilities" and "Long-term estimated contingent earn-out liabilities" on the consolidated balance sheets. We consider several factors when determining that contingent earn-out liabilities are part of the purchase price, including the following: (1) the valuation of our acquisitions is not supported solely by the initial consideration paid, and the contingent earn-out formula is a critical and material component of the valuation approach to determining the purchase price; and (2) the former shareholders of acquired companies that remain as key employees receive compensation other than contingent earn-out payments at a reasonable level compared with the compensation of our other key employees. The contingent earn-out payments are not affected by employment termination.

We measure our contingent earn-out liabilities at fair value on a recurring basis using significant unobservable inputs classified within Level 3 of the fair value hierarchy (See Note 2, "Basis of Presentation and Preparation – Fair Value of Financial Instruments" of the "Notes to Consolidated Financial Statements" included in Item 8). We use a probability weighted discounted income approach as a valuation technique to convert future estimated cash flows to a single present value amount. The significant unobservable inputs used in the fair value measurements are operating income projections over the earn-out period (generally two or three years), and the probability outcome percentages we assign to each scenario. Significant increases or decreases to either of these inputs in isolation would result in a significantly higher or lower liability with a higher liability capped by the contractual maximum of the contingent earn-out obligation. Ultimately, the liability will be equivalent to the amount paid, and the difference between the fair value estimate and amount paid will be recorded in earnings. The amount paid that is less than or equal to the liability on the acquisition date is reflected as cash used in financing activities in our

consolidated statements of cash flows. Any amount paid in excess of the liability on the acquisition date is reflected as cash used in operating activities in our consolidated statements of cash flows.

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. Changes in the estimated fair value of our contingent earn-out liabilities related to the time component of the present value calculation are reported in interest expense. Adjustments to the estimated fair value related to changes in all other unobservable inputs are reported in operating income.

Income Taxes

We file a consolidated U.S. federal income tax return. In addition, we file other returns that are required in the states, foreign jurisdictions and other jurisdictions in which we do business. We account for certain income and expense items differently for financial reporting and income tax purposes. Deferred tax assets and liabilities are computed for the differences between the financial statement and tax bases of assets and liabilities that will result in taxable or deductible amounts in the future based on enacted tax laws and rates applicable to the periods in which the differences are expected to reverse. In determining the need for a valuation allowance on deferred tax assets, management reviews both positive and negative evidence, including current and historical results of operations, future income projections and potential tax planning strategies. Based on our assessment, we have concluded that a portion of the deferred tax assets at September 27, 2020, primarily loss carryforwards, will not be realized, and we have reserved accordingly.

According to the authoritative guidance on accounting for uncertainty in income taxes, we may recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position should be measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. For more information related to our unrecognized tax benefits, see Note 8, "Income Taxes" of the "Notes to Consolidated Financial Statements" included in Item 8.

RECENT ACCOUNTING PRONOUNCEMENTS

For a discussion of recent accounting standards and the effect they could have on the consolidated financial statements, see Note 2, "Basis of Presentation and Preparation" of the "Notes to Consolidated Financial Statements" included in Item 8.

Item 7A. Quantitative and Qualitative Disclosures about Market Risk

We do not enter into derivative financial instruments for trading or speculation purposes. In the normal course of business, we have exposure to both interest rate risk and foreign currency transaction and translation risk, primarily related to the Canadian and Australian dollar, and British Pound.

We are exposed to interest rate risk under our Amended Credit Agreement. We can borrow, at our option, under both the Amended Term Loan Facility and Amended Revolving Credit Facility. We may borrow on the Amended Revolving Credit Facility, at our option, at either (a) a Eurocurrency rate plus a margin that ranges from 1.00% to 1.75% per annum, or (b) a base rate for loans in U.S. dollars (the highest of the U.S. federal funds rate plus 0.50% per annum, the bank's prime rate or the Eurocurrency rate plus 1.00%) plus a margin that ranges from 0% to 0.75% per annum. Borrowings at the base rate have no designated term and may be repaid without penalty any time prior to the Facility's maturity date. Borrowings at a Eurodollar rate have a term no less than 30 days and no greater than 180 days and may be prepaid without penalty. Typically, at the end of such term, such borrowings may be rolled over at our discretion into either a borrowing at the base rate or a borrowing at a Eurodollar rate with similar terms, not to exceed the maturity date of the Facility. The Facility matures on July 30, 2023. At September 27, 2020, we had borrowings outstanding under the Credit Agreement of \$254.9 million at a weighted-average interest rate of 2.31% per annum.

In August 2018, we entered into five interest rate swap agreements with five banks to fix the variable interest rate on \$250 million of our Amended Term Loan Facility. The objective of these interest rate swaps was to eliminate the variability of our cash flows on the amount of interest expense we pay under our Credit Agreement. As of September 27, 2020, the notional principal of our outstanding interest swap agreements was \$228.1 million (\$45.6 million each.) Our year-to-date average effective interest rate on borrowings outstanding under the Credit Agreement, including the effects of interest rate swap agreements, at September 27, 2020, was 3.52%. For more information, see Note 14, "Derivative Financial Instruments" of the "Notes to Consolidated Financial Statements" in Item 8.

Most of our transactions are in U.S. dollars; however, some of our subsidiaries conduct business in foreign currencies, primarily the Canadian and Australian dollar, and British Pound. Therefore, we are subject to currency exposure and volatility because of currency fluctuations. We attempt to minimize our exposure to these fluctuations by matching revenue and expenses in the same currency for our contracts. We reported \$1.3 million of foreign currency losses in fiscal 2020 and \$0.5 million of foreign currency gains in fiscal 2019 in "Selling, general and administrative expenses" on our consolidated statements of income.

We have foreign currency exchange rate exposure in our results of operations and equity primarily because of the currency translation related to our foreign subsidiaries where the local currency is the functional currency. To the extent the U.S. dollar strengthens against foreign currencies, the translation of these foreign currency denominated transactions will result in reduced revenue, operating expenses, assets and liabilities. Similarly, our revenue, operating expenses, assets and liabilities will increase if the U.S. dollar weakens against foreign currencies. For fiscal 2020 and 2019, 29.6% and 27.7% of our consolidated revenue, respectively, was generated by our international business. For fiscal 2020, the effect of foreign exchange rate translation on the consolidated balance sheets was an increase in equity of \$3.4 million compared to a decrease in equity of \$21.1 million in fiscal 2019. These amounts were recognized as an adjustment to equity through other comprehensive income.

Item 8. Financial Statements and Supplementary Data

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Stockholders of Tetra Tech, Inc.

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Tetra Tech, Inc. and its subsidiaries (the “Company”) as of September 27, 2020 and September 29, 2019, and the related consolidated statements of income, comprehensive income, equity and cash flows for each of the three years in the period ended September 27, 2020, including the related notes and financial statement schedule listed in the accompanying index (collectively referred to as the “consolidated financial statements”). We also have audited the Company's internal control over financial reporting as of September 27, 2020, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of September 27, 2020 and September 29, 2019, and the results of its operations and its cash flows for each of the three years in the period ended September 27, 2020 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of September 27, 2020, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the COSO.

Change in Accounting Principle

As discussed in Note 2 to the consolidated financial statements, the Company changed the manner in which it accounts for leases in fiscal 2020.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Critical Audit Matters

The critical audit matters communicated below are matters arising from the current period audit of the consolidated financial statements that were communicated or required to be communicated to the audit committee and that (i) relate to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

Revenue Recognition - Determination of Total Estimated Contract Cost for Fixed-price Contracts

As described in Note 3 to the consolidated financial statements, \$1.1 billion of the Company's total revenues for the year ended September 27, 2020 was generated from fixed-price contracts. As disclosed by management, under fixed-price contracts, the Company's clients pay an agreed fixed-amount negotiated in advance for a specified scope of work. Revenue is recognized over time as the related performance obligation is satisfied by transferring control of a promised good or service to the Company's customers. Progress toward complete satisfaction of the performance obligation is primarily measured using a cost-to-cost measure of progress method. The cost input is based primarily on contract cost incurred to date compared to total estimated contract cost. This measure includes forecasts based on the best information available and reflects the judgement to faithfully depict the value of the services transferred to the customer. Due to uncertainties inherent in the estimation process, it is possible that estimates of costs to complete a performance obligation will be revised in the near-term. For those performance obligations for which revenue is recognized using a cost-to-cost measure of progress method, changes in total estimated costs, and related progress towards complete satisfaction of the performance obligation, are recognized on a cumulative catch-up basis in the period in which the revisions to the estimates are made. As a result, the Company recognized net favorable operating income adjustments of \$0.8 million as of September 27, 2020, exclusive of the amounts related to claims described below. Changes in revenue and cost estimates could also result in a projected loss, determined at the contract level, which would be recorded immediately in earnings. The anticipated losses and estimated cost to complete the related contracts was \$13.2 million and \$118 million as of September 27, 2020. Claims are amounts in excess of agreed contract prices that the Company seeks to collect from clients or other third parties. Claims were approximately \$14 million as of September 27, 2020.

The principal considerations for our determination that performing procedures relating to revenue recognition - determination of total estimated contract cost for fixed-price contracts is a critical audit matter are the significant amount of judgment required by management in determining the total estimated contract cost for fixed-price contracts which, in turn, led to a high degree of auditor judgment, subjectivity and audit effort in performing procedures and in evaluating the audit evidence obtained related to the total estimated contract costs for fixed-price contracts with cumulative catch-up adjustments, anticipated losses or claims.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to the revenue recognition process, including controls over the determination of total estimated contract cost for fixed-price contracts. These procedures also included, among others, (i) evaluating and testing management's process for determining the total estimated contract cost for a sample of contracts with cumulative catch-up adjustments, anticipated losses or claims, which included evaluating the contract terms and other documents that support those estimates, and testing of underlying contract costs; (ii) assessing management's ability to reasonably estimate total contract costs by performing a comparison of the actual total estimated contract cost as compared with prior period estimates, including evaluating the timely identification of circumstances that may warrant a modification to the total estimated contract cost; and (iii) evaluating, for certain contracts, management's methodologies and assessing the consistency of management's approach over the life of the contract.

Goodwill Impairment Assessment - Asia/Pacific Reporting Unit

As described in Notes 2 and 6 to the consolidated financial statements, the Company's consolidated goodwill balance was \$993.5 million as of September 27, 2020, and the goodwill associated with the Asia/Pacific (ASP) reporting unit was \$95.5 million. Management performs an annual goodwill impairment review at the beginning of the fiscal fourth quarter, June 29, 2020, or more frequently when an event occurs or circumstances indicate that the carrying value of the asset may not be recoverable. On September 2, 2020, Australia announced that it had fallen into economic recession in the quarter ending in June 2020. Management performed an interim goodwill impairment review of the ASP reporting unit and recorded a \$15.8 million goodwill impairment charge. The impairment test for goodwill involves the comparison of the estimated fair value of each reporting unit to the reporting unit's carrying value, including goodwill. Management estimates the fair value of reporting units based on a comparison and weighting of the income approach, specifically the discounted cash flow method and the market

approach. The development of the present value of future cash flow projections include assumptions and estimates derived from expected revenue growth rates, operating profit margins, discount rates and the terminal growth rates.

The principal considerations for our determination that performing procedures relating to the goodwill impairment assessment of the ASP reporting unit is a critical audit matter are (i) the significant judgment by management when developing the fair value measurement of the reporting unit ; (ii) a high degree of auditor judgment, subjectivity, and effort in performing procedures to evaluate management's significant assumptions related to revenue growth rates, operating profit margins, discount rates and terminal growth rates; and (iii) the audit effort involved the use of professionals with specialized skill and knowledge.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to management's goodwill impairment assessment, including controls over the valuation of the ASP reporting unit. These procedures also included, among others, (i) testing management's process for developing the fair value estimate; (ii) evaluating the appropriateness of the discounted cash flow method; and the market approach; (iii) testing the completeness and accuracy of underlying data used in the valuation approaches; and (iv) evaluating the significant assumptions used by management related to the expected revenue growth rates, operating margins, discount rates and the terminal growth rates. Evaluating management's assumptions related to expected revenue growth rates and operating profit margins involved evaluating whether the assumptions used by management were reasonable considering (i) the current and past performance of the reporting unit; (ii) the consistency with external market and industry data; and (iii) whether these assumptions were consistent with evidence obtained in other areas of the audit. Professionals with specialized skill and knowledge were used to assist in the evaluation of the Company's discounted cash flow method and market approach and management's assumptions related to the discount rates and terminal growth rates.

/s/ PricewaterhouseCoopers LLP
Los Angeles, California
November 23, 2020

We have served as the Company's auditor since 2004.

Tetra Tech, Inc.
Consolidated Balance Sheets
(in thousands, except par value)

	September 27, 2020	September 29, 2019
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 157,515	\$ 120,732
Accounts receivable, net	649,035	768,720
Contract assets	92,632	114,324
Prepaid expenses and other current assets	81,094	62,196
Income taxes receivable	19,509	13,820
Total current assets	999,785	1,079,792
Property and equipment, net	35,507	39,441
Right-of-use assets, operating leases	239,396	—
Investments in unconsolidated joint ventures	7,332	6,873
Goodwill	993,498	924,820
Intangible assets, net	13,943	16,440
Deferred tax assets	32,052	28,385
Other long-term assets	57,045	51,657
Total assets	<u>\$ 2,378,558</u>	<u>\$ 2,147,408</u>
LIABILITIES AND EQUITY		
Current liabilities:		
Accounts payable	\$ 111,804	\$ 206,609
Accrued compensation	199,801	203,384
Contract liabilities	171,905	165,611
Short-term lease liabilities, operating leases	69,650	—
Current portion of long-term debt and other short-term borrowings	49,264	12,500
Current contingent earn-out liabilities	16,142	24,977
Other current liabilities	174,890	156,873
Total current liabilities	793,456	769,954
Deferred tax liabilities	16,316	12,971
Long-term debt	242,395	263,934
Long-term lease liabilities, operating leases	191,955	—
Long-term contingent earn-out liabilities	16,475	28,015
Other long-term liabilities	80,588	83,070
Commitments and contingencies (Note 17)		
Equity:		
Preferred stock – Authorized, 2,000 shares of \$0.01 par value; no shares issued and outstanding at September 27, 2020 and September 29, 2019	—	—
Common stock – Authorized, 150,000 shares of \$0.01 par value; issued and outstanding, 53,797 and 54,565 shares at September 27, 2020 and September 29, 2019, respectively	538	546
Additional paid-in capital	—	78,132
Accumulated other comprehensive loss	(161,786)	(160,584)
Retained earnings	1,198,567	1,071,192
Tetra Tech stockholders' equity	1,037,319	989,286
Noncontrolling interests	54	178
Total stockholders' equity	1,037,373	989,464
Total liabilities and stockholders' equity	<u>\$ 2,378,558</u>	<u>\$ 2,147,408</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Income
(in thousands, except per share data)

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Revenue	\$ 2,994,891	\$ 3,107,348	\$ 2,964,148
Subcontractor costs	(646,319)	(717,711)	(763,414)
Other costs of revenue	(1,902,037)	(1,981,454)	(1,816,276)
Gross profit	446,535	408,183	384,458
Selling, general and administrative expenses	(204,615)	(200,230)	(190,120)
Acquisition and integration expenses	—	(10,351)	—
Contingent consideration – fair value adjustments	14,971	(1,085)	(4,252)
Impairment of goodwill	(15,800)	(7,755)	—
Income from operations	241,091	188,762	190,086
Interest income	1,375	1,732	1,824
Interest expense	(14,475)	(15,358)	(17,348)
Income before income tax expense	227,991	175,136	174,562
Income tax expense	(54,101)	(16,375)	(37,605)
Net income	173,890	158,761	136,957
Net income attributable to noncontrolling interests	(31)	(93)	(74)
Net income attributable to Tetra Tech	\$ 173,859	\$ 158,668	\$ 136,883
Earnings per share attributable to Tetra Tech:			
Basic	\$ 3.21	\$ 2.89	\$ 2.46
Diluted	\$ 3.16	\$ 2.84	\$ 2.42
Weighted-average common shares outstanding:			
Basic	54,235	54,986	55,670
Diluted	55,022	55,936	56,598

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Comprehensive Income
(in thousands)

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Net income	\$ 173,890	\$ 158,761	\$ 136,957
Other comprehensive income, net of tax			
Foreign currency translation adjustments, net of tax	3,436	(21,109)	(29,656)
(Loss) gain on cash flow hedge valuations, net of tax	(4,638)	(12,125)	806
Other comprehensive loss attributable to Tetra Tech, net of tax	(1,202)	(33,234)	(28,850)
Other comprehensive income (loss) attributable to noncontrolling interests, net of tax	(1)	243	(64)
Comprehensive income, net of tax	<u>\$ 172,687</u>	<u>\$ 125,770</u>	<u>\$ 108,043</u>
Comprehensive income attributable to Tetra Tech, net of tax	\$ 172,657	\$ 125,434	\$ 108,033
Comprehensive income attributable to noncontrolling interests, net of tax	30	336	10
Comprehensive income, net of tax	<u>\$ 172,687</u>	<u>\$ 125,770</u>	<u>\$ 108,043</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Cash Flows
(in thousands)

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Cash flows from operating activities:			
Net income	\$ 173,890	\$ 158,761	\$ 136,957
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization	24,611	28,844	38,636
Equity in income of unconsolidated joint ventures	(6,605)	(4,073)	(4,008)
Distributions of earnings from unconsolidated joint ventures	6,310	4,048	3,440
Amortization of stock-based awards	19,424	17,618	19,582
Deferred income taxes	565	(37,615)	(29,360)
Provision for doubtful accounts	1,267	16,964	7,167
Impairment of goodwill	15,800	7,755	—
Fair value adjustments to contingent consideration	(14,971)	1,085	4,252
(Gain) loss on sale of assets and divested business	(11,066)	(232)	1,045
Changes in operating assets and liabilities, net of effects of business acquisitions:			
Accounts receivable and contract assets	154,748	(10,226)	(46,273)
Prepaid expenses and other assets	(11,321)	2,568	(12,638)
Accounts payable	(102,162)	39,011	(16,032)
Accrued compensation	(8,173)	18,359	27,492
Contract liabilities	5,894	(6,039)	15,228
Other liabilities	19,460	(16,929)	24,998
Income taxes receivable/payable	(5,192)	(11,386)	17,596
Cash settled contingent earn-out liability	—	—	(2,349)
Net cash provided by operating activities	262,479	208,513	185,733
Cash flows from investing activities:			
Payments for business acquisitions, net of cash acquired	(68,488)	(84,159)	(68,256)
Capital expenditures	(12,245)	(16,198)	(9,726)
Proceeds from sale of assets and divested business, net	17,710	651	35,348
Net cash used in investing activities	(63,023)	(99,706)	(42,634)
Cash flows from financing activities:			
Proceeds from borrowings	344,991	417,262	401,965
Repayments on long-term debt	(331,066)	(415,491)	(485,946)
Repurchases of common stock	(117,188)	(100,000)	(75,000)
Taxes paid on vested restricted stock	(11,166)	(6,893)	(8,871)
Payments of contingent earn-out liabilities	(22,900)	(12,018)	(1,412)
Debt pre-payment costs	—	—	(1,737)
Stock options exercised	10,334	11,751	13,520
Dividends paid	(34,743)	(29,674)	(24,477)
Principal payments on finance leases	(1,311)	—	—
Net cash used in financing activities	(163,049)	(135,063)	(181,958)
Effect of exchange rate changes on cash, cash equivalents and restricted cash	207	(1,727)	(4,947)
Net increase (decrease) in cash, cash equivalents and restricted cash	36,614	(27,983)	(43,806)
Cash, cash equivalents and restricted cash at beginning of year	120,901	148,884	192,690
Cash, cash equivalents and restricted cash at end of year	<u>\$ 157,515</u>	<u>\$ 120,901</u>	<u>\$ 148,884</u>
Supplemental information:			
Cash paid during the year for:			
Interest	\$ 13,256	\$ 12,310	\$ 15,570
Income taxes, net of refunds received of \$1.4 million, \$5.2 million and \$2.5 million	\$ 55,039	\$ 66,038	\$ 49,842
Reconciliation of cash, cash equivalents and restricted cash:			
Cash and cash equivalents	\$ 157,515	\$ 120,732	\$ 146,185
Restricted cash included in other current assets	—	169	2,699
Total cash, cash equivalents and restricted cash	<u>\$ 157,515</u>	<u>\$ 120,901</u>	<u>\$ 148,884</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Consolidated Statements of Equity
Fiscal Years Ended September 30, 2018, September 29, 2019, and September 27, 2020
(in thousands)

	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Total Tetra Tech Equity	Non-Controlling Interests	Total Equity
	Shares	Amount						
BALANCE AT OCTOBER 1, 2017	55,873	\$ 559	\$ 193,835	\$ (98,500)	\$ 832,559	\$ 928,453	\$ 171	\$ 928,624
Comprehensive income, net of tax:								
Net income					136,883	136,883	74	136,957
Foreign currency translation adjustments				(29,656)		(29,656)	(64)	(29,720)
Gain on cash flow hedge valuations				806		806		806
Comprehensive income, net of tax						108,033	10	108,043
Distributions paid to noncontrolling interests							(52)	(52)
Cash dividends of \$0.44 per common share					(24,477)	(24,477)		(24,477)
Stock-based compensation			19,582			19,582		19,582
Stock options exercised	549	5	13,506			13,511		13,511
Restricted & performance shares released	277	3	(8,874)			(8,871)		(8,871)
Shares issued for Employee Stock Purchase Plan	142	1	5,739			5,740		5,740
Stock repurchases	(1,492)	(15)	(74,985)			(75,000)		(75,000)
BALANCE AT SEPTEMBER 30, 2018	55,349	553	148,803	(127,350)	944,965	966,971	129	967,100
Comprehensive income, net of tax:								
Net income					158,668	158,668	93	158,761
Foreign currency translation adjustments				(21,109)		(21,109)	243	(20,866)
Gain on cash flow hedge valuations				(12,125)		(12,125)		(12,125)
Comprehensive income, net of tax						125,434	336	125,770
Distributions paid to noncontrolling interests							(287)	(287)
Cash dividends of \$0.54 per common share					(29,674)	(29,674)		(29,674)
Stock-based compensation			17,618			17,618		17,618
Restricted & performance shares released	183	2	(6,895)			(6,893)		(6,893)
Stock options exercised	448	5	11,746			11,751		11,751
Shares issued for Employee Stock Purchase Plan	148	2	6,844			6,846		6,846
Stock repurchases	(1,563)	(16)	(99,984)			(100,000)		(100,000)
Cumulative effect of accounting changes					(2,767)	(2,767)		(2,767)

	Common Stock		Additional	Accumulated		Total	Non-Controlling	Total
	Shares	Amount	Paid-in	Other	Retained	Tetra Tech	Interests	Equity
			Capital	Comprehensive	Earnings	Equity		
				Income (Loss)				
BALANCE AT								
SEPTEMBER 29, 2019	54,565	546	78,132	(160,584)	1,071,192	989,286	178	989,464
Comprehensive income, net of tax:								
Net income					173,859	173,859	31	173,890
Foreign currency translation adjustments				3,436		3,436	(1)	3,435
Loss on cash flow hedge valuations				(4,638)		(4,638)		(4,638)
Comprehensive income, net of tax						172,657	30	172,687
Distributions paid to noncontrolling interests							(154)	(154)
Cash dividends of \$0.64 per common share					(34,743)	(34,743)		(34,743)
Stock-based compensation			19,424			19,424		19,424
Restricted & performance shares released	212	2	(11,168)			(11,166)		(11,166)
Stock options exercised	361	4	10,330			10,334		10,334
Shares issued for Employee Stock Purchase Plan	168	1	8,714			8,715		8,715
Stock repurchases	(1,509)	(15)	(105,432)		(11,741)	(117,188)		(117,188)
BALANCE AT								
SEPTEMBER 27, 2020	<u>53,797</u>	<u>\$ 538</u>	<u>\$ —</u>	<u>\$ (161,786)</u>	<u>\$ 1,198,567</u>	<u>\$ 1,037,319</u>	<u>\$ 54</u>	<u>\$ 1,037,373</u>

See accompanying Notes to Consolidated Financial Statements.

Tetra Tech, Inc.
Notes to Consolidated Financial Statements

1. Description of Business

We are a leading global provider of consulting and engineering services that focuses on water, environment, sustainable infrastructure, resource management, energy, and international development. We are a global company that is *Leading with Science®* to provide innovative solutions for our public and private clients. We typically begin at the earliest stage of a project by identifying technical solutions and developing execution plans tailored to our clients' needs and resources. Our solutions may span the entire life cycle of consulting and engineering projects and include applied science, data analysis, research, engineering, design, construction management, and operations and maintenance.

We manage our business under two reportable segments. Our Government Services Group ("GSG") reportable segment primarily includes activities with U.S. government clients (federal, state and local) and all activities with development agencies worldwide. Our Commercial/International Services Group ("CIG") reportable segment primarily includes activities with U.S. commercial clients and international clients other than development agencies. This alignment allows us to capitalize on our growing market opportunities and enhance the development of high-end consulting and technical solutions to meet our growing client demand. We continue to report the results of the wind-down of our non-core construction activities in the Remediation and Construction Management ("RCM") reportable segment. Certain reclassifications were made to the prior years to conform to the current-year presentation.

2. Basis of Presentation and Preparation

Principles of Consolidation and Presentation. The consolidated financial statements include our accounts and those of joint ventures of which we are the primary beneficiary. All significant intercompany balances and transactions have been eliminated in consolidation.

Fiscal Year. We report results of operations based on 52 or 53-week periods ending on the Sunday nearest September 30. Fiscal years 2020, 2019 and 2018 each contained 52 weeks.

Use of Estimates. The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") requires us to make estimates and assumptions. These estimates and assumptions affect the amounts reported in our consolidated financial statements and accompanying notes. Although such estimates and assumptions are based on management's best knowledge of current events and actions we may take in the future, actual results could differ materially from those estimates.

Cash and Cash Equivalents. Cash and cash equivalents include highly liquid investments with original maturities of 90 days or less. We classify cash and cash equivalents as restricted when we are unable to freely use such cash and cash equivalents for our general operating purposes. Restricted cash balances are reported within our "Prepaid expenses and other current assets" on the consolidated balance sheets. Occasionally, we have book overdrafts which represent checks issued in excess of funds on deposit in our bank accounts that have not yet been paid by the applicable bank at the balance sheet date. Bank overdrafts occur when a bank honors disbursements in excess of funds on deposit in our bank accounts. We classify book and bank overdrafts as short-term borrowings on our consolidated balance sheets, and report the change in overdrafts as a financing activity in our consolidated statements of cash flows.

Insurance Matters, Litigation and Contingencies. In the normal course of business, we are subject to certain contractual guarantees and litigation. In addition, we maintain insurance coverage for various aspects of our business and operations. We record in our consolidated balance sheets amounts representing our estimated liability for these legal and insurance obligations. Any adjustments to these liabilities are recorded in our consolidated statements of income.

Accounts Receivable – Net. Net accounts receivable consists of billed and unbilled accounts receivable, and allowances for doubtful accounts. Billed accounts receivable represent amounts billed to clients that have not been collected. Unbilled accounts receivable, which represent an unconditional right to payment subject only to the passage of time, include unbilled amounts typically resulting from revenue recognized but not yet billed pursuant to contract terms or billed after the period end date. Most of our unbilled receivables at September 27, 2020 are expected to be billed and collected within 12 months. Unbilled accounts receivable also include amounts related to requests for equitable adjustment to contracts that provide for price redetermination. These amounts are recorded only when they can be reliably estimated and realization is probable. The allowance for doubtful accounts represents amounts that are expected to become uncollectible or unrealizable in the future. We determine an estimated allowance for uncollectible accounts based on management's consideration of trends in the actual and forecasted credit quality of our clients, including delinquency and payment history; type of client, such as a government agency or a commercial sector client; and general economic and industry conditions, including the potential impacts of the coronavirus disease 2019 ("COVID-19") pandemic, that may affect our clients' ability to pay.

Contract Assets and Contract Liabilities. Contract assets represent revenue recognized in excess of the amounts for which we have the contractual right to bill our customers. Contract retentions, included in contract assets, represent amounts withheld by clients until certain conditions are met or the project is completed, which may extend beyond one year. Contract liabilities represent the amount of cash collected from clients and billings to clients on contracts in advance of work performed and revenue recognized. The majority of these amounts are expected to be earned within 12 months and are classified as current liabilities.

Property and Equipment. Property and equipment are recorded at cost and depreciated over their estimated useful lives using the straight-line method. When property and equipment are retired or otherwise disposed of, the cost and accumulated depreciation are removed from our consolidated balance sheets and any resulting gain or loss is reflected in our consolidated statements of income. Expenditures for maintenance and repairs are expensed as incurred. Generally, estimated useful lives range from three to seven years for equipment, furniture and fixtures. Leasehold improvements are amortized on a straight-line basis over the shorter of their estimated useful lives or the lease term. Assets held for sale are measured at the lower of carrying amount (i.e., net book value) and fair value less cost to sell, and are reported within "Prepaid expenses and other current assets" on our consolidated balance sheets. Once assets are classified as held for sale, they are no longer depreciated.

Long-Lived Assets. Our policy is to evaluate the recoverability of our long-lived assets when the facts and circumstances suggest that the assets may be impaired. This assessment is performed based on the estimated undiscounted cash flows compared to the carrying value of the assets. If the future cash flows (undiscounted and without interest charges) are less than the carrying value, a write-down would be recorded to reduce the related asset to its estimated fair value.

Leases. We determine if an arrangement is a lease at inception. Operating leases are included in operating lease right-of-use ("ROU") assets, and current and long-term operating lease liabilities in the consolidated balance sheets. Our finance leases are reported in "Other long-term assets", "Other current liabilities", and "Other long-term liabilities" on our consolidated balance sheet.

ROU assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. Operating lease ROU assets and liabilities are recognized at commencement date based on the present value of lease payments over the lease term. As most of our leases do not provide an implicit rate, incremental borrowing rates are used based on the information available at commencement date in determining the present value of lease payments. The operating lease ROU asset also includes any lease payments made and excludes lease incentives. Lease terms may include options to extend or terminate the lease when it is reasonably certain that we will exercise that option. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term.

Our operating leases are primarily for corporate and project office spaces. To a much lesser extent, we have operating leases for vehicles and equipment. Our operating leases have remaining lease terms of one month to twelve years, some of which may include options to extend the leases for up to five years. We also have finance leases which are primarily related to IT equipment.

We recognize a liability for contract termination costs associated with an exit activity for costs that will continue to be incurred under a lease for its remaining term without economic benefit to us, initially measured at its fair value at the cease-use date. The fair value is determined based on the remaining lease rentals, adjusted for the effects of any prepaid or deferred items recognized under the lease, and reduced by estimated sublease rentals.

Business Combinations. The cost of an acquired company is assigned to the tangible and intangible assets purchased and the liabilities assumed based on their fair values at the date of acquisition. The determination of fair values of these assets and liabilities requires us to make estimates and use valuation techniques when a market value is not readily available. Any excess of purchase price over the fair value of net tangible and intangible assets acquired is allocated to goodwill. Goodwill typically represents the value paid for the assembled workforce and enhancement of our service offerings. Transaction costs associated with business combinations are expensed as incurred.

Goodwill and Intangible Assets. Goodwill represents the excess of the aggregate purchase price over the fair value of the net assets acquired in a business acquisition. Following an acquisition, we perform an analysis to value the acquired company's tangible and identifiable intangible assets and liabilities. With respect to identifiable intangible assets, we consider backlog, non-compete agreements, client relations, trade names, patents and other assets. We amortize our intangible assets based on the period over which the contractual or economic benefits of the intangible assets are expected to be realized. We assess the recoverability of the unamortized balance of our intangible assets when indicators of impairment are present based on expected future profitability and undiscounted expected cash flows and their contribution to our overall operations. Should the review indicate that the carrying value is not fully recoverable, the excess of the carrying value over the fair value of the intangible assets would be recognized as an impairment loss.

We test our goodwill for impairment on an annual basis, and more frequently when an event occurs, or circumstances indicate that the carrying value of the asset may not be recoverable. We believe the methodology that we use to review impairment of goodwill, which includes a significant amount of judgment and estimates, provides us with a reasonable basis to determine whether impairment has occurred. However, many of the factors employed in determining whether our goodwill is impaired are outside of our control and it is reasonably likely that assumptions and estimates will change in future periods. These changes could result in future impairments.

We perform our annual goodwill impairment review at the beginning of our fiscal fourth quarter. Our last annual review was performed at June 29, 2020 (i.e., the first day of our fiscal fourth quarter). In addition, we regularly evaluate whether events and circumstances have occurred that may indicate a potential change in recoverability of goodwill. We perform interim goodwill impairment reviews between our annual reviews if certain events and circumstances have occurred, including a deterioration in general economic conditions, an increased competitive environment, a change in management, key personnel, strategy or customers, negative or declining cash flows, or a decline in actual or planned revenue or earnings compared with actual and projected results of relevant prior periods. We assess goodwill for impairment at the reporting unit level, which is defined as an operating segment or one level below an operating segment, referred to as a component. Our operating segments are the same as our reportable segments and our reporting units for goodwill impairment testing are the components one level below our reportable segments. These components constitute a business for which discrete financial information is available and where segment management regularly reviews the operating results of that component. We aggregate components within an operating segment that have similar economic characteristics.

The impairment test for goodwill involves the comparison of the estimated fair value of each reporting unit to the reporting unit's carrying value, including goodwill. We estimate the fair value of reporting units based on a comparison and weighting of the income approach, specifically the discounted cash flow method and the market approach, which estimates the fair value of our reporting units based upon comparable market prices and recent transactions and also validates the reasonableness of the multiples from the income approach. The development of the present value of future cash flow projections includes assumptions and estimates derived from a review of our expected revenue growth rates, operating profit margins, discount rates, and the terminal growth rate. If the fair value of a reporting unit exceeds its carrying amount, the goodwill of that reporting unit is not considered impaired. However, if its carrying value exceeds its fair value, our goodwill is impaired, and we are required to record a non-cash charge that could have a material adverse effect on our consolidated financial statements. An impairment loss recognized, if any, should not exceed the total amount of goodwill allocated to the reporting unit.

Contingent Consideration. Most of our acquisition agreements include contingent earn-out arrangements, which are generally based on the achievement of future operating income thresholds. The contingent earn-out arrangements are based upon our valuations of the acquired companies and reduce the risk of overpaying for acquisitions if the projected financial results are not achieved.

The fair values of these earn-out arrangements are included as part of the purchase price of the acquired companies on their respective acquisition dates. For each transaction, we estimate the fair value of contingent earn-out payments as part of the initial purchase price and record the estimated fair value of contingent consideration as a liability in "Current contingent earn-out liabilities" and "Long-term contingent earn-out liabilities" on the consolidated balance sheets. We consider several factors when determining that contingent earn-out liabilities are part of the purchase price, including the following: (1) the valuation of our acquisitions is not supported solely by the initial consideration paid, and the contingent earn-out formula is a critical and material component of the valuation approach to determining the purchase price; and (2) the former owners of acquired companies that remain as key employees receive compensation other than contingent earn-out payments at a reasonable level compared with the compensation of our other key employees. The contingent earn-out payments are not affected by employment termination.

We measure our contingent earn-out liabilities at fair value on a recurring basis using significant unobservable inputs classified within Level 3 of the fair value hierarchy. We use a probability weighted discounted income approach as a valuation technique to convert future estimated cash flows to a single present value amount. The significant unobservable inputs used in the fair value measurements are operating income projections over the earn-out period (generally two or three years), and the probability outcome percentages we assign to each scenario. Significant increases or decreases to either of these inputs in isolation would result in a significantly higher or lower liability, with a higher liability capped by the contractual maximum of the contingent earn-out obligation. Ultimately, the liability will be equivalent to the amount paid, and the difference between the fair value estimate and amount paid will be recorded in earnings. The amount paid that is less than or equal to the contingent earn-out liability on the acquisition date is reflected as cash used in financing activities in our consolidated statements of cash flows. Any amount paid in excess of the contingent earn-out liability on the acquisition date is reflected as cash used in operating activities in our consolidated statements of cash flows.

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. Changes in the estimated fair value of our contingent earn-out liabilities

related to the time component of the present value calculation are reported in interest expense. Adjustments to the estimated fair value related to changes in all other unobservable inputs are reported in operating income.

Fair Value of Financial Instruments. We determine the fair values of our financial instruments, including short-term investments, debt instruments and derivative instruments based on inputs or assumptions that market participants would use in pricing an asset or a liability. We categorize our instruments using a valuation hierarchy for disclosure of the inputs used to measure fair value. This hierarchy prioritizes the inputs into three broad levels as follows: Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities; Level 2 inputs are quoted prices for similar assets and liabilities in active markets or inputs that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the financial instrument; and Level 3 inputs are unobservable inputs based on our own assumptions used to measure assets and liabilities at fair value. The classification of a financial asset or liability within the hierarchy is determined based on the lowest level input that is significant to the fair value measurement.

The carrying amounts of cash and cash equivalents, accounts receivable and accounts payable approximate fair values based on their short-term nature. The carrying amounts of our revolving credit facility approximates fair value because the interest rates are based upon variable reference rates. Certain other assets and liabilities, such as contingent earn-out liabilities and amounts related to cash-flow hedges, are required to be carried in our consolidated financial statements at fair value.

Our fair value measurement methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Although we believe our valuation methods are appropriate and consistent with those used by other market participants, the use of different methodologies or assumptions to determine fair value could result in a different fair value measurement at the reporting date.

Derivative Financial Instruments. We account for our derivative instruments as either assets or liabilities and carry them at fair value. For derivative instruments that hedge the exposure to variability in expected future cash flows that are designated as cash flow hedges, the effective portion of the gain or loss on the derivative instrument is reported as a component of accumulated other comprehensive income (loss) in stockholders' equity and reclassified into income in the same period or periods during which the hedged transaction affects earnings. The ineffective portion of the gain or loss on the derivative instrument, if any, is recognized in current income. To receive hedge accounting treatment, cash flow hedges must be highly effective in offsetting changes to expected future cash flows on hedged transactions.

The net gain or loss on the effective portion of a derivative instrument that is designated as an economic hedge of the foreign currency translation exposure generated by the re-measurement of certain assets and liabilities denominated in a non-functional currency in a foreign operation is reported in the same manner as a foreign currency translation adjustment. Accordingly, any gains or losses related to these derivative instruments are recognized in current income. Derivatives that do not qualify as hedges are adjusted to fair value through current income.

Deferred Compensation. We maintain a non-qualified defined contribution supplemental retirement plan for certain key employees and non-employee directors that is accounted for in accordance with applicable authoritative guidance on accounting for deferred compensation arrangements where amounts earned are held in a rabbi trust and invested. Employee deferrals are deposited into a rabbi trust, and the funds are generally invested in individual variable life insurance contracts that we own and are specifically designed to informally fund savings plans of this nature. Our consolidated balance sheets reflect our investment in variable life insurance contracts in "Other long-term assets." Our obligation to participating employees is reflected in "Other long-term liabilities." The net gains and losses related to the deferred compensation plan are reported as part of "Selling, general and administrative expenses" in our consolidated statements of income.

Income Taxes. We file a consolidated U.S. federal income tax return. In addition, we file other returns that are required in the states, foreign jurisdictions and other jurisdictions in which we do business. We account for certain income and expense items differently for financial reporting and income tax purposes. Deferred tax assets and liabilities are computed for the difference between the financial statement and tax bases of assets and liabilities that will result in taxable or deductible amounts in the future based on enacted tax laws and rates applicable to the periods in which the differences are expected to reverse. In determining the need for a valuation allowance, management reviews both positive and negative evidence, including current and historical results of operations, future income projections, scheduled reversals of deferred tax amounts, availability of carrybacks, and potential tax planning strategies. Based on our assessment, we have concluded that a portion of the deferred tax assets will not be realized.

According to the authoritative guidance on accounting for uncertainty in income taxes, we may recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position should be measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. This guidance also addresses de-recognition, classification, interest and penalties on income taxes, accounting in interim periods and disclosure requirements for uncertain tax positions.

Concentration of Credit Risk. Financial instruments that subject us to credit risk consist primarily of cash and cash equivalents and net accounts receivable. In the event that we have surplus cash, we place our temporary cash investments with lower risk financial institutions and, by policy, limit the amount of investment exposure to any one financial institution. Approximately 28% of accounts receivable were due from various agencies of the U.S. federal government at fiscal 2020 year-end. The remaining accounts receivable are generally diversified due to the large number of organizations comprising our client base and their geographic dispersion. We perform ongoing credit evaluations of our clients and maintain an allowance for potential credit losses. Approximately 48%, 22% and 30% of our fiscal 2020 revenue was generated from our U.S. government, U.S. commercial and international clients, respectively.

Foreign Currency Translation. We determine the functional currency of our foreign operating units based upon the primary currency in which they operate. These operating units maintain their accounting records in their local currency, primarily Canadian and Australian dollars, and British pounds. Where the functional currency is not the U.S. dollar, translation of assets and liabilities to U.S. dollars is based on exchange rates at the balance sheet date. Translation of revenue and expenses to U.S. dollars is based on the average rate during the period. Translation gains or losses are reported as a component of other comprehensive income (loss). Gains or losses from foreign currency transactions are included in income from operations.

Recently Issued Accounting Pronouncements Adopted in Fiscal 2020.

In February 2016, the Financial Accounting Standards Board ("FASB") issued ASU 2016-02 "Leases (Topic 842)", which is a new standard related to leases to increase transparency and comparability among organizations by requiring the recognition of ROU assets obtained in exchange for lease liabilities on the balance sheet. Most prominent among the changes in the standard is the recognition of ROU assets and lease liabilities by lessees for those leases classified as operating leases. Under the standard, disclosures are required to meet the objective of enabling users of financial statements to assess the amount, timing, and uncertainty of cash flows arising from leases. In the first quarter of fiscal 2020, we adopted the standard using the modified retrospective method. The standard was applied to leases that existed or were entered into on or after September 30, 2019. Our fiscal 2020 financial statements have been presented under this standard. However, the prior-year financial statements have not been adjusted and continue to be reported in accordance with previous guidance. See Note 10, "Leases" for further discussion of the adoption and the impact on our consolidated financial statements.

In August 2017, the FASB issued accounting guidance on hedging activities. The amendment better aligns an entity's risk management activities and financial reporting for hedging relationships through changes to both the designation and measurement guidance for qualifying hedging relationships and the presentation of hedge results. The guidance was effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2018 (first quarter of fiscal 2020 for us). The adoption of this guidance had no impact on our consolidated financial statements.

In February 2018, the FASB issued guidance on reclassification of certain tax effects from accumulated comprehensive income, which allows for a reclassification of stranded tax effects from the Tax Cuts and Jobs Act ("TCJA") from accumulated other comprehensive income to retained earnings. The guidance was effective for fiscal years beginning after December 15, 2018 (first quarter of fiscal 2020 for us). We did not reclassify our stranded effects from the TCJA, which were immaterial.

Recently Issued Accounting Pronouncements Not Yet Adopted.

In June 2016, the FASB issued updated guidance, Accounting Standards Update ("ASU") 2016-13, related to the measurement of credit losses for certain financial assets. This guidance replaces the current incurred loss methodology with an expected credit loss methodology. It requires us to recognize an allowance equal to our current estimate of all contractual cash flows that we do not expect to collect. Our estimate would consider relevant information about past events, current conditions, and reasonable and supportable forecasts impacting the collectability of the reported amounts. The guidance is effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2019 (first quarter of fiscal 2021 for us). In anticipation of our adoption of ASU 2016-13, we have updated our presentation of gross receivables and the allowance for doubtful accounts to reflect only expected credit losses in the allowance. We do not expect the adoption in the first quarter of fiscal 2021 to have a material impact on our consolidated financial statements.

In August 2018, the FASB issued updated guidance modifying certain fair value measurement disclosures. The guidance contains additional disclosures to enable users of the financial statements to better understand the entity's assumption used to develop significant unobservable inputs for Level 3 fair value measurements, but also eliminates the requirement for entities to disclose the amount of and reasons for transfers between Level 1 and Level 2 investments within the fair value hierarchy. This guidance is effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2019 (first quarter of fiscal 2021 for us). Early adoption is permitted. We do not expect the adoption of this guidance to have a significant impact on our consolidated financial statements.

In December 2019, the FASB issued guidance simplifying the accounting for income taxes by removing certain exceptions to general principles in Topic 740 and amending certain existing guidance for clarity. This guidance is effective for fiscal years and interim periods within those fiscal years, beginning after December 15, 2020 (first quarter of fiscal 2022 for us). Early adoption is permitted. We do not expect the adoption of this guidance to have an impact on our consolidated financial statements.

In May 2020, the Securities and Exchange Commission issued guidance amending certain financial disclosures about acquired and disposed businesses. The amendments are designed to assist registrants in making more meaningful determinations of whether a subsidiary or an acquired or disposed business is significant, and to improve the related disclosure requirements. The guidance is effective for fiscal years beginning after December 31, 2020 (first quarter of fiscal 2022 for us). We do not expect the adoption of this guidance to have an impact on our consolidated financial statements.

3. Revenue and Contract Balances

We recognize revenue over time as the related performance obligation is satisfied by transferring control of a promised good or service to our customers. Progress toward complete satisfaction of the performance obligation is primarily measured using a cost-to-cost measure of progress method. The cost input is based primarily on contract cost incurred to date compared to total estimated contract cost. This measure includes forecasts based on the best information available and reflects our judgement to faithfully depict the value of the services transferred to the customer. For certain on-call engineering or consulting and similar contracts, we recognize revenue in the amount which we have the right to invoice the customer if that amount corresponds directly with the value of our performance completed to date.

Due to uncertainties inherent in the estimation process, it is possible that estimates of costs to complete a performance obligation will be revised in the near-term. For those performance obligations for which revenue is recognized using a cost-to-cost measure of progress method, changes in total estimated costs, and related progress towards complete satisfaction of the performance obligation, are recognized on a cumulative catch-up basis in the period in which the revisions to the estimates are made. When the current estimate of total costs indicates a loss, a provision for the entire estimated loss on the contract is made in the period in which the loss becomes evident.

Disaggregation of Revenue

We disaggregate revenue by client sector and contract type, as we believe it best depicts how the nature, timing, and uncertainty of revenue and cash flows are affected by economic factors. The following tables present revenue disaggregated by client sector and contract type:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
(in thousands)			
Client Sector:			
U.S. state and local government	\$ 439,019	\$ 587,364	\$ 469,231
U.S. federal government ⁽¹⁾	993,835	941,102	974,384
U.S. commercial	674,605	719,314	788,398
International ⁽²⁾	887,432	859,568	732,135
Total	<u>\$ 2,994,891</u>	<u>\$ 3,107,348</u>	<u>\$ 2,964,148</u>
Contract Type:			
Fixed-price	\$ 1,078,432	\$ 1,048,157	\$ 986,910
Time-and-materials	1,391,592	1,509,901	1,395,148
Cost-plus	524,867	549,290	582,090
Total	<u>\$ 2,994,891</u>	<u>\$ 3,107,348</u>	<u>\$ 2,964,148</u>

⁽¹⁾ Includes revenue generated under U.S. federal government contracts performed outside the United States.

⁽²⁾ Includes revenue generated from foreign operations, primarily in Canada, Australia, the United Kingdom, and revenue generated from non-U.S. clients.

Other than the U.S. federal government, no single client accounted for more than 10% of our revenue for the twelve months ended months ended September 27, 2020 and September 29, 2019.

Contract Assets and Contract Liabilities

We invoice customers based on the contractual terms of each contract. However, the timing of revenue recognition may differ from the timing of invoice issuance.

Contract assets represent revenue recognized in excess of the amounts for which we have the contractual right to bill our customers. Such amounts are recoverable from customers based upon various measures of performance, including achievement of certain milestones or completion of a contract. In addition, many of our time and materials arrangements are billed in arrears pursuant to contract terms that are standard within the industry, resulting in contract assets and/or unbilled receivables being recorded, as revenue is recognized in advance of billings. Contract retentions, included in contract assets, represent amounts withheld by clients until certain conditions are met or the project is completed, which may extend beyond one year.

Contract liabilities consist of billings in excess of revenue recognized. Contract liabilities decrease as we recognize revenue from the satisfaction of the related performance obligation and increase as billings in advance of revenue recognition occur. Contract assets and liabilities are reported in a net position on a contract-by-contract basis at the end of each reporting period. There were no substantial non-current contract assets or liabilities for the periods presented. Net contract assets/liabilities consisted of the following:

	Balance at	
	September 27, 2020	September 29, 2019
	(in thousands)	
Contract assets ⁽¹⁾	\$ 92,632	114,324
Contract liabilities	171,905	165,611
Net contract liabilities	\$ (79,273)	\$ (51,287)

⁽¹⁾ Includes \$12.3 million and \$26.5 million of contract retentions as of September 27, 2020 and September 29, 2019, respectively.

In fiscal 2020, we recognized revenue of approximately \$118 million from amounts included in the contract liability balance at the end of fiscal 2019, compared to approximately \$90 million for the comparative prior-year period.

We recognize revenue primarily using the cost-to-cost measure of progress method, which involves the estimates of progress towards completion. Changes in those estimates could result in the recognition of cumulative catch-up adjustments to the contract's inception-to-date revenue, costs and profit in the period in which such changes are made. As a result, we recognized net favorable operating income adjustments of \$0.8 million for both fiscal 2020 and fiscal 2019, exclusive of the amounts related to claims described below. Changes in revenue and cost estimates could also result in a projected loss, determined at the contract level, which would be recorded immediately in earnings. As of September 27, 2020 and September 29, 2019, our consolidated balance sheets included liabilities for anticipated losses of \$13.2 million and \$11.5 million, respectively. The estimated cost to complete the related contracts as of September 27, 2020 was approximately \$118 million.

Accounts Receivable, Net

Net accounts receivable consisted of the following:

	Balance at	
	September 27, 2020	September 29, 2019
	(in thousands)	
Billed	\$ 402,818	\$ 496,985
Unbilled	253,364	282,297
Total accounts receivable	656,182	779,282
Allowance for doubtful accounts	(7,147)	(10,562)
Total accounts receivable, net	\$ 649,035	\$ 768,720

Billed accounts receivable represent amounts billed to clients that have not been collected. Unbilled accounts receivable, which represent an unconditional right to payment subject only to the passage of time, include unbilled amounts typically resulting from revenue recognized but not yet billed pursuant to contract terms or billed after the period end date. Most of our unbilled receivables at September 27, 2020 are expected to be billed and collected within 12 months. The allowance for

doubtful accounts represents amounts that are expected to become uncollectible or unrealizable in the future. We determine an estimated allowance for uncollectible accounts based on management's consideration of trends in the actual and forecasted credit quality of our clients, including delinquency and payment history; type of client, such as a government agency or a commercial sector client; and general economic and industry conditions, including the potential impacts of the COVID-19 pandemic, that may affect our clients' ability to pay.

Total accounts receivable at September 27, 2020 and September 29, 2019 included approximately \$14 million and \$15 million, respectively, related to claims, including requests for equitable adjustment, on contracts that provide for price redetermination. Claims are amounts in excess of agreed contract prices that we seek to collect from our clients or other third parties for delays, errors in specifications and designs, contract terminations, change orders in dispute or unapproved as to both scope and price, or other causes of unanticipated additional costs. Factors considered in determining whether revenue associated with claims (including change orders in dispute and unapproved change orders in regards to both scope and price) should be recognized include the following: (a) the contract or other evidence provides a legal basis for the claim, (b) additional costs were caused by circumstances that were unforeseen at the contract date and not the result of deficiencies in our performance, (c) claim-related costs are identifiable and considered reasonable in view of the work performed, and (d) evidence supporting the claim is objective and verifiable. This can lead to a situation in which costs are recognized in one period and revenue is recognized in a subsequent period when a client agreement is obtained, or a claims resolution occurs.

We regularly evaluate all unsettled claim amounts and record appropriate adjustments to operating earnings when it is probable that the claim will result in a different contract value than the amount previously estimated. In fiscal 2020, we recorded net losses in operating income related to claims of \$4.4 million in our CIG segment. In fiscal 2019, we recognized reductions of revenue of \$26.7 million and \$4.6 million, and related losses in operating income of \$28.2 million and \$5.7 million in our CIG and RCM segments, respectively, primarily due to the resolution of several claims in fiscal 2019 for amounts lower than we previously expected.

No single client accounted for more than 10% of our accounts receivable at September 27, 2020 and September 29, 2019.

Remaining Unsatisfied Performance Obligations ("RUPOs")

Our RUPOs represent a measure of the total dollar value of work to be performed on contracts awarded and in progress. We had \$3.2 billion of RUPOs as of September 27, 2020. RUPOs increase with awards from new contracts or additions on existing contracts and decrease as work is performed and revenue is recognized on existing contracts. RUPOs may also decrease when projects are canceled or modified in scope. We include a contract within our RUPOs when the contract is awarded and an agreement on contract terms has been reached.

We expect to satisfy our RUPOs as of September 27, 2020 over the following periods:

	Amount (in thousands)
Within 12 months	\$ 1,846,527
Beyond	1,372,446
Total	\$ 3,218,973

Although RUPOs reflect business that is considered to be firm, cancellations, deferrals or scope adjustments may occur. RUPOs are adjusted to reflect any known project cancellations, revisions to project scope and cost, foreign currency exchange fluctuations and project deferrals, as appropriate. Our operations and maintenance contracts can generally be terminated by the clients without a substantive financial penalty. Therefore, the remaining performance obligations on such contracts are limited to the notice period required for the termination (usually 30, 60, or 90 days).

4. Stock Repurchase and Dividends

On November 5, 2018, the Board of Directors authorized a stock repurchase program ("2019 Program") under which we could repurchase up to \$200 million of our common stock. This was in addition to the \$25 million remaining as of fiscal 2018 year-end under the previous stock repurchase program ("2018 Program"). On January 27, 2020, the Board of Directors authorized a new \$200 million stock repurchase program ("2020 Program"). As of September 27, 2020, we had a remaining balance of \$207.8 million available under the 2019 and 2020 programs. The following table summarizes stock repurchases in the open market and settled in fiscal 2019 and fiscal 2020:

Fiscal Year	Stock Repurchase Program	Shares Repurchased	Average Price Paid per Share	Total Cost (in thousands)
2019	2018 Program	430,559	\$ 58.06	\$ 25,000
2019	2019 Program	1,131,962	\$ 66.26	\$ 75,000
2019 Total		1,562,521	\$ 64.00	\$ 100,000
2020	2019 Program	1,508,747	\$ 77.67	\$ 117,188

The following table presents dividends declared and paid in fiscal 2020 and 2019:

Declare Date	Dividend Paid Per Share	Record Date	Payment Date	Dividends Paid (in thousands)
November 11, 2019	\$ 0.15	December 2, 2019	December 13, 2019	\$ 8,190
January 27, 2020	\$ 0.15	February 12, 2020	February 28, 2020	8,225
April 27, 2020	\$ 0.17	May 13, 2020	May 29, 2020	9,175
July 27, 2020	\$ 0.17	August 21, 2020	September 4, 2020	9,153
Total dividends paid as of September 27, 2020				<u>\$ 34,743</u>
November 5, 2018	\$ 0.12	November 30, 2018	December 14, 2018	\$ 6,654
January 28, 2019	\$ 0.12	February 13, 2019	February 28, 2019	6,616
April 29, 2019	\$ 0.15	May 15, 2019	May 31, 2019	8,219
July 29, 2019	\$ 0.15	August 14, 2019	August 30, 2019	8,185
Total dividends paid as of September 29, 2019				<u>\$ 29,674</u>

Subsequent Event. On November 9, 2020, the Board of Directors declared a quarterly cash dividend of \$0.17 per share payable on December 11, 2020 to stockholders of record as of the close of business on November 30, 2020.

5. Acquisitions and Divestitures

In fiscal 2018, we acquired Glumac, headquartered in Portland, Oregon. Glumac is a leader in sustainable infrastructure design with more than 300 employees and is part of our GSG segment. The fair value of the purchase price for Glumac was \$38.4 million. This amount is comprised of \$20.0 million of initial cash payments made to the sellers and \$18.4 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$20.0 million payable, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2018, we acquired Norman Disney & Young ("NDY"), a leader in sustainable infrastructure engineering design. NDY is an Australian-based global engineering design firm with more than 700 professionals operating in offices throughout Australia, the Asia-Pacific region, the United Kingdom, and Canada and is part of our CIG segment. The fair value of the purchase price for NDY was \$56.1 million. This amount is comprised of \$46.9 million of initial cash payments made to the sellers, \$1.6 million held in escrow, and \$7.6 million for the estimated fair value of contingent earn-out obligations, with a maximum amount of \$20.2 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2018, we divested our non-core utility field services operations in the CIG segment for net proceeds after transaction costs of \$30.2 million. This operation generated approximately \$70 million in annual revenue primarily from our U.S. commercial clients. We also divested non-core assets during the third quarter of fiscal 2018 resulting in a pre-tax loss of \$3.4 million, which is included in selling, general and administrative expenses for fiscal 2018.

In fiscal 2019, we acquired eGlobalTech ("EGT"), a high-end information technology solutions, cloud migration, cybersecurity, and management consulting firm based in Arlington, Virginia. EGT is part of our GSG segment. The fair value of the purchase price was \$49.1 million. This amount was comprised of a \$24.7 million promissory note issued to the sellers (which was subsequently paid in full in the third quarter of fiscal 2019), \$3.3 million of payables related to estimated post-closing adjustments for net assets acquired, and \$21.1 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$25.0 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2019, we acquired WYG plc ("WYG"), which employs approximately 1,600 staff primarily in the United Kingdom and Europe, delivering consulting and engineering solutions for complex projects across key service areas including planning, water and environment, transport, infrastructure, the built environment, architecture, urban design, surveying, asset

management, program management, and international development. WYG's United Kingdom based consulting and engineering business is part of our CIG segment, while its international development business is part of our GSG segment. The fair value of the purchase price was \$54.2 million, entirely paid in cash. In addition, we assumed net debt of \$11.5 million, which was subsequently paid in full in the fourth quarter of fiscal 2019. We also incurred \$10.4 million in acquisition and integration costs related to the WYG acquisition in the fourth quarter of fiscal 2019.

In fiscal 2020, we acquired Segue Technologies, Inc. ("SEG"), a leading information technology management consulting firm based in Arlington, Virginia. SEG is part of our GSG segment. The fair value of the purchase price was \$40.9 million. This amount was comprised of \$29.6 million in initial cash payments made to the sellers and \$11.3 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$20.0 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

In fiscal 2020, we acquired BlueWater Federal Solutions, Inc. ("BWF"), a leading information technology management consulting firm based in Chantilly, Virginia. BWF is part of our GSG segment. The fair value of the purchase price was \$48.5 million. This amount was comprised of \$41.8 million in initial cash payments made to the sellers, \$1.5 million of payables related to estimated post-closing adjustments for net assets acquired, and \$5.2 million for the estimated fair value of contingent earn-out obligations, with a maximum of \$8.0 million, based upon the achievement of specified operating income targets in each of the three years following the acquisition.

Goodwill additions resulting from the above business combinations are primarily attributable to the existing workforce of the acquired companies and the synergies expected to arise after the acquisitions. The goodwill additions related to our fiscal 2019 acquisitions represent the value of a workforce with emerging technology and new techniques that incorporate artificial intelligence, data analytics and advanced cybersecurity solutions for government and commercial clients, and expanding our geographic presence in the United Kingdom with a strong platform for growth in the United Kingdom and Europe. The fiscal 2020 goodwill additions represent the value of a workforce with distinct expertise in the high-end information technology field, in the areas of data analytics, modeling and simulation, cloud, and agile software development. In addition, these acquired capabilities, when combined with our existing global consulting and engineering business, result in opportunities that allow us to provide services under contracts that could not have been pursued individually by either us or the acquired companies. The results of these acquisitions were included in our consolidated financial statements from their respective closing dates. These acquisitions were not considered material to our consolidated financial statements. As a result, no pro forma information has been provided.

Backlog, client relations and trade name intangible assets include the fair value of existing contracts and the underlying customer relationships with lives ranging from one to ten years, and trade names with lives ranging from three to five years.

Most of our acquisition agreements include contingent earn-out agreements, which are generally based on the achievement of future operating income thresholds. The contingent earn-out arrangements are based on our valuations of the acquired companies and reduce the risk of overpaying for acquisitions if the projected financial results are not achieved. The fair values of any earn-out arrangements are included as part of the purchase price of the acquired companies on their respective acquisition dates. For each transaction, we estimate the fair value of contingent earn-out payments as part of the initial purchase price and record the estimated fair value of contingent consideration as a liability in "Current contingent earn-out liabilities" and "Long-term contingent earn-out liabilities" on the consolidated balance sheets. We consider several factors when determining that contingent earn-out liabilities are part of the purchase price, including the following: (1) the valuation of our acquisitions is not supported solely by the initial consideration paid, and the contingent earn-out formula is a critical and material component of the valuation approach to determining the purchase price; and (2) the former owners of acquired companies that remain as key employees receive compensation other than contingent earn-out payments at a reasonable level compared with the compensation of our other key employees. The contingent earn-out payments are not affected by employment termination.

We measure our contingent earn-out liabilities at fair value on a recurring basis using significant unobservable inputs classified within Level 3 of the fair value hierarchy. We use a probability-weighted discounted income approach as a valuation technique to convert future estimated cash flows to a single present value amount. The significant unobservable inputs used in the fair value measurements are operating income projections over the earn-out period (generally two or three years), and the probability outcome percentages we assign to each scenario. Significant increases or decreases to either of these inputs in isolation would result in a significantly higher or lower liability, with a higher liability capped by the contractual maximum of the contingent earn-out obligation. Ultimately, the liability will be equivalent to the amount paid, and the difference between the fair value estimate and amount paid will be recorded in earnings. The amount paid that is less than or equal to the contingent earn-out liability on the acquisition date is reflected as cash used in financing activities in our consolidated statements of cash flows. Any amount paid in excess of the contingent earn-out liability on the acquisition date is reflected as cash used in operating activities in our consolidated statements of cash flows.

We review and re-assess the estimated fair value of contingent consideration on a quarterly basis, and the updated fair value could differ materially from the initial estimates. Changes in the estimated fair value of our contingent earn-out liabilities related to the time component of the present value calculation are reported in interest expense. Adjustments to the estimated fair value related to changes in all other unobservable inputs are reported in operating income. In each quarter during fiscal 2020, we evaluated our estimates for contingent consideration liabilities for the remaining earn-out periods for each individual acquisition, which included a review of their financial results to-date, the status of ongoing projects in their RUPOs, and the inventory of prospective new contract awards. In addition, we considered the potential impact of the global economic disruption due to the COVID-19 pandemic on our operating income projections over the various earn-out periods.

During fiscal 2020, we recorded adjustments to our contingent earn-out liabilities and reported related net gains in operating income of \$15.0 million, substantially all in the fourth quarter. These gains primarily resulted from updated valuations of the contingent consideration liabilities for NDY, EGT, and SEG.

The acquisition agreement for NDY included a contingent earn-out agreement based on the achievement of operating income thresholds (in Australian dollars) in each of the first three years beginning on the acquisition date, which was in the second quarter of fiscal 2018. The maximum earn-out obligation over the three-year earn-out period was A\$25 million (A\$7.4 million in year one, and A\$8.8 million each in years two and three). These amounts could be earned primarily on a pro-rata basis for operating income within a predetermined range in each year. NDY was required to meet a minimum operating income threshold in each year to earn any contingent consideration.

The determination of the fair value of the purchase price for NDY on the acquisition date included our estimate of the fair value of the related contingent earn-out obligation. The initial valuation was primarily based on probability-weighted internal estimates of NDY's operating income during each earn-out period. Based on these estimates, we calculated an initial fair value at the acquisition date of A\$9.4 million for NDY's contingent earn-out liability in the second quarter of fiscal 2018. In determining that NDY would earn 38% of the maximum potential earn-out, we considered several factors including NDY's recent historical revenue and operating income levels and growth rates. We also considered the recent trend in NDY's backlog level.

NDY's actual financial performance in the first two earn-out periods exceeded our original estimates at the acquisition date. As a result, we increased the related contingent consideration liability and recognized losses of \$2.1 million (A\$3.0 million) and \$5.4 million (A\$7.9 million) in fiscal 2018 and fiscal 2019, respectively. In the fourth quarter of fiscal 2020, we evaluated our estimate of NDY's contingent consideration liability for the third and final earn-out period. This assessment included a review of NDY's actual and forecasted results for the third earn-out period, which included an evaluation of the status of ongoing projects in NDY's backlog, and the inventory of prospective new contract awards and the impact of the COVID-19 pandemic on the Australian economy and NDY's operations. As a result of this assessment, we concluded that NDY's operating income in the third earn-out period would be lower than previously estimated, and we reduced NDY's contingent earn-out liability to \$1.8 million (A\$2.6 million), which resulted in a gain of \$3.7 million (A\$5.2 million).

The acquisition agreement for EGT included a contingent earn-out agreement based on the achievement of operating income thresholds in each of the first three years beginning on the acquisition date, which was in the second quarter of fiscal 2019. The maximum earn-out obligation over the three-year earn-out period was \$25 million (\$8.5 million in year one, \$9.0 million in year two, and \$7.5 million in year three). In each of the first two earn-out years, EGT was to receive a portion of the contingent consideration if EGT achieved a minimum operating income threshold. The remaining contingent consideration could be earned primarily on a pro-rata basis for operating income within a predetermined range in each year. EGT was required to meet a minimum operating income threshold in each year to earn any of this contingent consideration.

The determination of the fair value of the purchase price for EGT on the acquisition date included our estimate of the fair value of the related contingent earn-out obligation. The initial valuation was primarily based on probability-weighted internal estimates of EGT's operating income during each earn-out period. Based on these estimates, we calculated an initial fair value at the acquisition date of \$21.1 million for EGT's contingent earn-out liability in the second quarter of fiscal 2019. In determining that EGT would earn 84% of the maximum potential earn-out, we considered several factors including EGT's recent historical revenue and operating income levels and growth rates. We also considered the recent trend in EGT's backlog level and the prospects for the U.S. federal information technology market.

In the third quarter of fiscal 2020, EGT achieved and was paid the maximum earn-out obligation for the first earn-out period. Subsequently, we evaluated our estimate of EGT's contingent consideration liability for the second and third earn-out periods. This assessment included a review of EGT's actual and forecasted results for the second and third earn-out periods, which included an evaluation of the status of ongoing projects in EGT's backlog, and the inventory of prospective new contract awards. As a result of this assessment, we concluded that EGT's operating income in the second and third earn-out period would be lower than previously estimated. Accordingly, in the fourth quarter of fiscal 2020, we reduced EGT's contingent earn-out liability to \$7.5 million, which resulted in a gain of \$4.7 million.

The acquisition agreement for SEG included a contingent earn-out agreement based on the achievement of operating income thresholds in each of the first three years beginning on the acquisition date, which was in the second quarter of fiscal 2020. The maximum earn-out obligation over the three-year earn-out period was \$20 million (\$5.0 million, \$7.0 million and \$8.0 million for years one, two and three, respectively). SEG was to receive a portion of the contingent consideration if SEG achieved a minimum operating income threshold in each year of the earn-out period. The remaining contingent consideration could be earned primarily on a pro-rata basis for operating income within a predetermined range in each year. SEG was required to meet a minimum operating income threshold in each year to earn any of this contingent consideration.

The determination of the fair value of the purchase price for SEG on the acquisition date included our estimate of the fair value of the related contingent earn-out obligation. The initial valuation was primarily based on probability-weighted internal estimates of SEG's operating income during each earn-out period. Based on these estimates, we calculated an initial fair value at the acquisition date of \$11.3 million for SEG's contingent earn-out liability in the second quarter of fiscal 2020. In determining that SEG would earn 57% of the maximum potential earn-out, we considered several factors including SEG's recent historical revenue and operating income levels and growth rates. We also considered the recent trend in SEG's backlog level and the prospects for the U.S. federal information technology market.

SEG's actual financial performance in the first earn-out period on a year to date basis was below our original expectation at the acquisition date. As a result, in the fourth quarter of fiscal 2020, we evaluated our estimate of SEG's contingent consideration liability for all earn-out periods. This assessment included a review of SEG's financial results in the first earn-out period, the status of ongoing projects in SEG's backlog, the inventory of prospective new contract awards, and future synergies with other Tetra Tech operating units. As a result of this assessment, we concluded that SEG's operating income in all earn-out periods would be lower than originally anticipated. Accordingly, in the fourth quarter of fiscal 2020, we reduced the SEG contingent earn-out liability to \$8.1 million, which resulted in a gain of \$3.4 million.

In fiscal 2019, we recorded adjustments to our contingent earn-out liabilities and reported a related net loss of \$1.1 million in operating income. These adjustments resulted from the updated valuations of the contingent consideration liabilities, which reflect updated projections of acquired companies' financial performance during their respective earn-out periods.

In fiscal 2018, we recorded adjustments to our contingent earn-out liabilities and reported related losses in operating income of \$4.3 million. These losses resulted from updated valuations of the contingent consideration liabilities for NDY, Eco Logical Australia and Cornerstone Environmental Group, as the actual and expected financial performance during the earn-out periods exceeded our original estimates at the acquisition dates.

At September 27, 2020, there was a total potential maximum of \$70.9 million of outstanding contingent consideration related to acquisitions. Of this amount, \$32.6 million was estimated as the fair value and accrued on our consolidated balance sheet. If the global economic disruption due to the COVID-19 pandemic is prolonged, we could have more significant reductions in our contingent earn-out liabilities and related gains in operating income in future periods.

The following table summarizes the changes in the carrying value of estimated contingent earn-out liabilities:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Beginning balance	\$ 52,992	\$ 35,290	\$ 2,438
Acquisition date fair value of contingent earn-out liabilities	16,581	27,704	32,210
Change in fair value of contingent earn-out liabilities	1,162	1,489	1,005
Re-measurement of contingent earn-out liabilities	(14,971)	1,085	4,252
Foreign exchange impact	(247)	(558)	(854)
Earn-out payments:			
Reported as cash used in operating activities	—	—	(2,349)
Reported as cash used in financing activities	(22,900)	(12,018)	(1,412)
Ending balance	<u>\$ 32,617</u>	<u>\$ 52,992</u>	<u>\$ 35,290</u>

6. Goodwill and Intangible Assets

The following table summarizes the changes in the carrying value of goodwill:

	GSG	CIG	Total
	(in thousands)		
Balance at September 30, 2018	\$ 389,741	\$ 409,079	\$ 798,820
Acquisitions	53,098	93,601	146,699
Impairment	—	(7,755)	(7,755)
Translation and other	(1,037)	(11,907)	(12,944)
Balance at September 29, 2019	441,802	483,018	924,820
Acquisitions	74,882	5,294	80,176
Impairment	—	(15,800)	(15,800)
Translation and other	(369)	4,671	4,302
Balance at September 27, 2020	\$ 516,315	\$ 477,183	\$ 993,498

The goodwill additions related to our fiscal 2020 acquisitions of SEG and BWF and adjustments of the final valuations for our fiscal 2019 acquisitions. The purchase price allocations for the SEG and BWF acquisitions are preliminary and subject to adjustment based upon the final determinations of the net assets acquired and information to perform the final valuations. Our goodwill was also impacted by foreign currency translation related to the goodwill balances of our foreign subsidiaries with functional currencies that are different than our reporting currency.

We perform our annual goodwill impairment review at the beginning of our fiscal fourth quarter. Our last review at June 29, 2020 (i.e. the first day of our fourth quarter in fiscal 2020), indicated that we had no impairment of goodwill, and all of our reporting units had estimated fair values that were in excess of their carrying values, including goodwill. All of our reporting units had estimated fair values that exceeded their carrying values by more than 80%, with the exception of our Asia/Pacific ("ASP") reporting unit, which is in our CIG reportable segment. Our ASP reporting unit had an estimated fair value that exceeded its carrying value by less than 20%.

We also regularly evaluate whether events and circumstances have occurred that may indicate a potential change in the recoverability of goodwill. We perform interim goodwill impairment reviews between our annual reviews if certain events and circumstances have occurred, such as a deterioration in general economic conditions; an increase in the competitive environment; a change in management, key personnel, strategy or customers; negative or declining cash flows; or a decline in actual or planned revenue or earnings compared with actual and projected results of relevant prior periods. Although we believe that our estimates of fair value for these reporting units are reasonable, if financial performance for these reporting units falls significantly below our expectations or market prices for similar business decline, the goodwill for these reporting units could become impaired.

On September 2, 2020, Australia announced that it had fallen into economic recession, defined as two consecutive quarters of negative growth, for the first time since 1991 including 7% negative growth in the quarter ending in June 2020. This prompted a strategic review of our ASP reporting unit. As a result of the economic recession in Australia, our revenue growth and profit margin forecasts for the ASP reporting unit declined from the previous forecast used for our annual goodwill impairment review as of June 29, 2020. We also performed an interim goodwill impairment review of our ASP reporting unit in September 2020 and recorded a \$15.8 million goodwill impairment charge. The impaired goodwill related to our acquisitions of Coffey and NDY. As a result of the impairment charge, the estimated fair value of our ASP reporting unit equaled its carrying value of \$144.9 million, including \$95.5 million of goodwill, at September 27, 2020.

During the fourth quarter of fiscal 2019, we performed an interim goodwill impairment review of our RFS reporting unit and recorded a \$7.8 million goodwill impairment charge. As a result of the impairment charge, the estimated fair value of the RFS reporting unit equaled its carrying value of \$61 million at September 29, 2019, including the remaining \$48.8 million of goodwill.

The gross amounts of goodwill for GSG were \$534.0 million and \$459.5 million at fiscal 2020 and 2019 year-ends, respectively, excluding accumulated impairment of \$17.7 million for each period. The gross amounts of goodwill for CIG were \$598.7 million and \$588.7 million at fiscal 2020 and 2019 year-ends, respectively, excluding accumulated impairment of \$121.5 million and \$105.7 million, respectively.

The following table presents the gross amount and accumulated amortization of our acquired identifiable intangible assets with finite useful lives included in "Intangible assets, net" on the consolidated balance sheets:

	Fiscal Year Ended				
	September 27, 2020			September 29, 2019	
	Weighted-Average Remaining Life (in years)	Gross Amount	Accumulated Amortization	Gross Amount	Accumulated Amortization
(\$ in thousands)					
Client relations	2.9	\$ 60,775	\$ (53,392)	\$ 56,779	\$ (50,455)
Backlog	0.7	37,682	(32,761)	32,229	(24,968)
Technology and trade names	1.8	7,964	(6,325)	7,714	(4,859)
Total		\$ 106,421	\$ (92,478)	\$ 96,722	\$ (80,282)

Foreign currency translation adjustments reduced net identifiable intangible assets by \$0.4 million and \$0.3 million in fiscal 2020 and 2019, respectively. Amortization expense for the identifiable intangible assets for fiscal 2020, 2019 and 2018 was \$11.6 million, \$11.6 million and \$18.2 million, respectively.

Estimated amortization expense for the succeeding four fiscal years is as follows:

	Amount (in thousands)
2021	\$ 8,786
2022	2,652
2023	1,915
2024	590
Total	<u>\$ 13,943</u>

7. Property and Equipment

Property and equipment consisted of the following:

	Fiscal Year Ended	
	September 27, 2020	September 29, 2019
	(in thousands)	
Equipment, furniture and fixtures	\$ 90,942	\$ 114,652
Leasehold improvements	34,382	34,881
Land and buildings	187	371
Total property and equipment	125,511	149,904
Accumulated depreciation	(90,004)	(110,463)
Property and equipment, net	<u>\$ 35,507</u>	<u>\$ 39,441</u>

The depreciation expense related to property and equipment was \$13.0 million, \$17.3 million and \$19.6 million for fiscal 2020, 2019 and 2018, respectively. As of September 29, 2019, we classified \$5.4 million of net assets related to the disposal of our Canadian turn-key pipeline activities as held-for-sale, and reported them as "Prepaid expenses and other current assets" on our consolidated balance sheet. These assets were sold during fiscal 2020 resulting in a net gain of \$8.5 million, which is reported in "Other costs of revenue" on the consolidated statement of income.

8. Income Taxes

Income before income taxes, by geographic area, was as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Income before income taxes:			
United States	\$ 209,443	\$ 185,535	\$ 180,034
Foreign	18,548	(10,399)	(5,472)
Total income before income taxes	<u>\$ 227,991</u>	<u>\$ 175,136</u>	<u>\$ 174,562</u>

Income tax expense consisted of the following:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Current:			
Federal	\$ 24,102	\$ 30,051	\$ 46,840
State	6,872	8,923	9,228
Foreign	20,398	15,016	10,897
Total current income tax expense	<u>51,372</u>	<u>53,990</u>	<u>66,965</u>
Deferred:			
Federal	2,187	(9,108)	(22,072)
State	870	(1,195)	(1,471)
Foreign	(328)	(27,312)	(5,817)
Total deferred income tax expense	<u>2,729</u>	<u>(37,615)</u>	<u>(29,360)</u>
Total income tax expense	<u>\$ 54,101</u>	<u>\$ 16,375</u>	<u>\$ 37,605</u>

Total income tax expense was different from the amount computed by applying the U.S. federal statutory rate to pre-tax income as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Tax at federal statutory rate	21.0%	21.0%	24.5%
State taxes, net of federal benefit	2.7	3.4	4.2
Research and Development ("R&D") credits	(2.2)	(4.7)	(1.4)
Domestic production deduction	—	—	(0.2)
Tax differential on foreign earnings	0.7	1.0	0.5
Non-taxable foreign interest income	(1.1)	(1.7)	(2.0)
Goodwill	1.5	0.9	1.7
Stock compensation	(2.2)	(2.4)	(2.7)
Valuation allowance	1.6	(13.5)	(0.5)
Change in uncertain tax positions	0.4	2.4	1.9
Revaluation of deferred taxes	—	(1.4)	(8.4)
Deferred tax adjustments	(1.3)	(0.4)	2.1
Transition tax on foreign earnings	—	1.4	—
Other	2.6	3.3	1.8
Total income tax expense	<u>23.7%</u>	<u>9.3%</u>	<u>21.5%</u>

The effective tax rates for fiscal 2020, 2019 and 2018 were 23.7%, 9.3% and 21.5%, respectively. The goodwill impairment charges in fiscal 2020 and fiscal 2019 and certain of the transaction charges in fiscal 2019 did not have related tax benefits. Income tax expense was reduced by \$8.3 million, \$6.4 million, \$5.1 million of excess tax benefits on share-based payments in fiscal 2020, 2019, and 2018, respectively. Additionally, we analyzed our deferred tax liabilities for the Tax Cuts and Jobs Act's ("TCJA's") lower tax rates and recorded a deferred tax benefit of \$2.6 million and \$10.1 million in fiscal 2019 and fiscal 2018, respectively. Also, valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence obtained during the second quarter of fiscal 2019. The valuation allowances were primarily related to net operating loss and research and development credit carryforwards and other temporary differences. We evaluated the positive evidence against any negative evidence and determined that it was more likely than not that the deferred tax assets would be realized. The factors used to assess the likelihood of realization were the past performance of the related entities, our forecast of future taxable income, and available tax planning strategies that could be implemented to realize the deferred tax assets.

Excluding the impact of the non-deductible goodwill impairment charges and transaction costs, the excess tax benefits on share-based payments, the net deferred tax benefits from the TCJA, and the valuation allowance release, our effective tax rates in fiscal 2020, 2019, and 2018 were 25.6%, 24.6%, and 30.3% respectively.

We are currently under examination by the Internal Revenue Service for fiscal year 2018, the Canada Revenue Agency for fiscal years 2011 through 2016, and the California Franchise Tax Board for fiscal years 2014 through 2016. We are also subject to various other state audits.

Temporary differences comprising the net deferred income tax asset shown on the accompanying consolidated balance sheets were as follows:

	Fiscal Year Ended	
	September 27, 2020	September 29, 2019
	(in thousands)	
Deferred Tax Assets:		
State taxes	\$ 1,146	\$ 764
Reserves and contingent liabilities	6,262	5,500
Allowance for doubtful accounts	6,283	7,506
Accrued liabilities	28,223	28,232
Lease liabilities, operating leases	66,941	—
Stock-based compensation	5,905	6,700
Loss carry-forwards	43,475	39,782
Valuation allowance	(24,395)	(20,543)
Total deferred tax assets	133,840	67,941
Deferred Tax Liabilities:		
Unbilled revenue	(14,451)	(21,886)
Prepaid expense	(5,967)	(3,026)
Right-of-use assets, operating leases	(66,941)	—
Intangibles	(29,130)	(26,482)
Property and equipment	(1,615)	(1,133)
Total deferred tax liabilities	(118,104)	(52,527)
Net deferred tax assets	\$ 15,736	\$ 15,414

At September 27, 2020, undistributed earnings of our foreign subsidiaries, primarily in Canada, amounting to approximately \$66.9 million are expected to be permanently reinvested. Accordingly, no provision for foreign withholding taxes has been made. Upon distribution of those earnings, we would be subject to foreign withholding taxes. Assuming the permanently reinvested foreign earnings were repatriated under the laws and rates applicable at September 27, 2020, the incremental foreign withholding taxes applicable to those earnings would be approximately \$2.0 million.

At September 27, 2020, we had available unused state net operating loss ("NOL") carry forwards of \$43.7 million that expire at various dates from 2024 to 2037; and available foreign NOL carry forwards of \$138.4 million, of which \$31.6 million expire at various dates from 2024 to 2040, and \$106.8 million have no expiration date. In addition, we had foreign capital loss

carryforwards of \$13.8 million and foreign research and development credits of \$4.3 million that do not have expiration dates. We have performed an assessment of positive and negative evidence regarding the realization of the deferred tax assets. This assessment included the evaluation of scheduled reversals of deferred tax liabilities, availability of carrybacks, cumulative losses in recent years, estimates of projected future taxable income, and tax planning strategies. Although realization is not assured, based on our assessment, we have concluded that it is more likely than not that the assets will be realized except for the assets related to the loss carry-forwards and certain foreign intangibles for which a valuation allowance of \$24.4 million has been provided.

At September 27, 2020, we had \$9.2 million of unrecognized tax benefits, all of which, if recognized, would affect our effective tax rate. It is reasonably possible that the amount of the unrecognized tax benefits with respect to certain of our unrecognized tax positions may significantly decrease in the next 12 months. These changes would be the result of ongoing examinations. A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Beginning balance	\$ 9,169	\$ 8,328	\$ 9,337
Additions for current year tax positions	700	1,342	1,928
Additions for prior year tax positions	—	356	1,116
Reductions for prior year tax positions	(641)	(100)	—
Settlements	—	(757)	(4,053)
Ending balance	<u>\$ 9,228</u>	<u>\$ 9,169</u>	<u>\$ 8,328</u>

We recognize potential interest and penalties related to unrecognized tax benefits in income tax expense. During fiscal years 2020, 2019 and 2018, we accrued additional interest and penalties of \$0.8 million, \$2.6 million and \$0.6 million, respectively, and recorded reductions in accrued interest and penalties of \$0, \$0.2 million and \$0.3 million, respectively, as a result of audit settlements and other prior-year adjustments. The amount of interest and penalties accrued at September 27, 2020, September 29, 2019 and September 30, 2018 was \$4.4 million, \$3.6 million and \$1.2 million, respectively.

9. Long-Term Debt

Long-term debt consisted of the following:

	Fiscal Year Ended	
	September 27, 2020	September 29, 2019
	(in thousands)	
Credit facilities	\$ 291,659	\$ 276,434
Less: Current portion of long-term debt and other short-term borrowings	(49,264)	(12,500)
Long-term debt, less current portion and other short-term borrowings	<u>\$ 242,395</u>	<u>\$ 263,934</u>

On July 30, 2018, we entered into a Second Amended and Restated Credit Agreement (“Amended Credit Agreement”) with a total borrowing capacity of \$1 billion that will mature in July 2023. The Amended Credit Agreement is a \$700 million senior secured, five-year facility that provides for a \$250 million term loan facility (the “Amended Term Loan Facility”), a \$450 million revolving credit facility (the “Amended Revolving Credit Facility”), and a \$300 million accordion feature that allows us to increase the Amended Credit Agreement to \$1 billion subject to lender approval. The Amended Credit Agreement allows us to, among other things, (i) refinance indebtedness under our Credit Agreement dated as of May 7, 2013; (ii) finance certain permitted open market repurchases of our common stock, permitted acquisitions, and cash dividends and distributions; and (iii) utilize the proceeds for working capital, capital expenditures and other general corporate purposes. The Amended Revolving Credit Facility includes a \$100 million sublimit for the issuance of standby letters of credit, a \$20 million sublimit for swingline loans, and a \$200 million sublimit for multicurrency borrowings and letters of credit.

The entire Amended Term Loan Facility was drawn on July 30, 2018. The Amended Term Loan Facility is subject to quarterly amortization of principal at 5% annually beginning December 31, 2018. We may borrow on the Amended Revolving Credit Facility, at our option, at either (a) a Eurocurrency rate plus a margin that ranges from 1.00% to 1.75% per annum, or (b) a base rate for loans in U.S. dollars (the highest of the U.S. federal funds rate plus 0.50% per annum, the bank’s prime rate or

the Eurocurrency rate plus 1.00%) plus a margin that ranges from 0% to 0.75% per annum. In each case, the applicable margin is based on our Consolidated Leverage Ratio, calculated quarterly. The Amended Term Loan Facility is subject to the same interest rate provisions. The Amended Credit Agreement expires on July 30, 2023, or earlier at our discretion upon payment in full of loans and other obligations.

At September 27, 2020, we had \$254.9 million in outstanding borrowings under the Amended Credit Agreement, which was comprised of \$228.1 million under the Amended Term Loan Facility and \$26.8 million outstanding under the Amended Revolving Credit Facility at a year-to-date weighted-average interest rate of 2.31% per annum. In addition, we had \$0.7 million in standby letters of credit under the Amended Credit Agreement. Our average effective weighted-average interest rate on borrowings outstanding during the year-to-date period ended September 27, 2020 under the Amended Credit Agreement, including the effects of interest rate swap agreements described in Note 14, "Derivative Financial Instruments", was 3.52%. At September 27, 2020, we had \$422.4 million of available credit under the Amended Revolving Credit Facility, all of which could be borrowed without a violation of our debt covenants.

The Amended Credit Agreement contains certain affirmative and restrictive covenants, and customary events of default. The financial covenants provide for a maximum Consolidated Leverage Ratio of 3.00 to 1.00 (total funded debt/EBITDA, as defined in the Amended Credit Agreement) and a minimum Consolidated Interest Coverage Ratio of 3.00 to 1.00 (EBITDA/Consolidated Interest Charges, as defined in the Amended Credit Agreement). Our obligations under the Amended Credit Agreement are guaranteed by certain of our domestic subsidiaries and are secured by first priority liens on (i) the equity interests of certain of our subsidiaries, including those subsidiaries that are guarantors or borrowers under the Amended Credit Agreement, and (ii) the accounts receivable, general intangibles and intercompany loans, and those of our subsidiaries that are guarantors or borrowers. At September 27, 2020, we were in compliance with these covenants with a consolidated leverage ratio of 1.10x and a consolidated interest coverage ratio of 19.76x.

In addition to the Amended Credit Agreement, we maintain other credit facilities, which may be used for bank overdrafts, short-term cash advances and bank guarantees. At September 27, 2020, there was \$36.6 million outstanding under these facilities and the aggregate amount of standby letters of credit outstanding was \$69.7 million. As of September 27, 2020, we had bank overdrafts of \$33.6 million related to our U.S. disbursement bank accounts. This balance is reported in the "Current portion of long-term debt and other short-term borrowings" within our fiscal 2020 year-end consolidated balance sheet. The change in bank overdraft balance is classified as cash flows from financing activities within our consolidated statements of cash flows as we believe these overdrafts to be a form of short-term financing from the bank due to our ability to fund the overdraft with the \$50.0 million overdraft protection on the bank accounts or our other credit facilities if needed.

The following table presents scheduled maturities of our long-term debt:

	Amount (in thousands)
2021	49,264
2022	15,625
2023	226,770
Total	<u>\$ 291,659</u>

10. Leases

In February 2016, the FASB issued Leases (Topic 842), which is a new standard related to leases to increase transparency and comparability among organizations by requiring the recognition of ROU assets obtained in exchange for lease liabilities on the balance sheet. Most prominent among the changes in the standard is the recognition of ROU assets and lease liabilities by lessees for those leases classified as operating leases. Under the standard, disclosures are required to meet the objective of enabling users of financial statements to assess the amount, timing, and uncertainty of cash flows arising from leases.

We elected to adopt the standard, and available practical expedients, effective September 30, 2019 (the first day of our fiscal 2020). These practical expedients allowed us to keep the lease classification assessed under the previous lease accounting standard (ASC 840) without reassessment under the new standard, and allowed all separate lease components, including non-lease components, to be accounted for as a single lease component for all existing leases prior to adoption of the new standard.

We adopted this new standard under the modified retrospective transition approach without adjusting comparative periods in the financial statements, as allowed under Leases (Topic 842), and implemented internal controls and key system functionality to enable the preparation of financial information on adoption. The standard had a material impact on our consolidated balance sheets but did not have an impact on the consolidated income statements. The most significant impact was

the recognition of ROU assets and lease liabilities for operating leases, while accounting for finance leases remained substantially unchanged. Our finance leases are primarily for certain IT equipment and the related ROU and lease liabilities were immaterial, and included in "Other current liabilities" and "Other long-term liabilities" accordingly in the consolidated balance sheet at September 27, 2020 .

We determine if an arrangement is a lease at inception. Operating leases are included in operating lease ROU assets and current and long-term operating lease liabilities in the consolidated balance sheets.

ROU assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. Operating lease ROU assets and liabilities are recognized at commencement date based on the present value of lease payments over the lease term. As most of our leases do not provide an implicit rate, incremental borrowing rates are used based on the information available at commencement date in determining the present value of lease payments. The operating lease ROU asset also includes any lease payments made and excludes lease incentives. Lease terms may include options to extend or terminate the lease when it is reasonably certain that we will exercise that option. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term.

Our operating leases are primarily for corporate and project office spaces. To a much lesser extent, we have operating leases for vehicles and equipment. Our operating leases have remaining lease terms of one month to twelve years, some of which may include options to extend the leases for up to five years.

The components of lease costs for the fiscal year ended September 27, 2020 are as follows:

	Fiscal Year Ended
	(in thousands)
Operating lease cost	\$ 87,348
Sublease income	(2,216)
Other	72
Total lease cost	<u>\$ 85,204</u>

Supplemental cash flow information related to leases for fiscal 2020 is as follows:

	Amount
	(in thousands)
Operating cash flows for operating leases	\$ 80,289
Right-of-use assets obtained in exchange for new operating lease liabilities	\$ 317,587

Supplemental balance sheet and other information related to leases as of September 27, 2020 are as follows:

	Amount
	(in thousands)
Operating leases:	
Right-of-use assets	\$ 239,396
Lease liabilities:	
Current	\$ 69,650
Long-term	191,955
Total operating lease liabilities	<u>\$ 261,605</u>
Weighted-average remaining lease term:	
Operating leases	5 years
Weighted-average discount rate:	
Operating leases	2.5 %

As of September 27, 2020, we have no material additional operating leases that have not yet commenced.

A maturity analysis of the future undiscounted cash flows associated with our operating lease liabilities as of September 27, 2020 is as follows:

	Amount
	(in thousands)
2021	\$ 75,074
2022	64,972
2023	44,733
2024	30,991
2025	21,466
Beyond	44,169
Total lease payments	281,405
Less: imputed interest	(19,800)
Total present value of lease liabilities	\$ 261,605

As of September 29, 2019, \$343.5 million of minimum rental commitments on operating leases was payable as follows: \$108.8 million in fiscal 2020, \$66.4 million in fiscal 2021, \$51.4 million in fiscal 2022, \$36.5 million in fiscal 2023, \$25.8 million in fiscal 2024, and \$54.6 million thereafter. Rental expense for fiscal 2019 was \$79.3 million.

11. Stockholders' Equity and Stock Compensation Plans

At September 27, 2020, we had the following stock-based compensation plans:

- *Employee Stock Purchase Plan ("ESPP")*. Purchase rights to purchase common stock are granted to our eligible full and part-time employees, and shares of common stock are issued upon exercise of the purchase rights. An aggregate of 611,265 shares may be issued pursuant to such exercise. The maximum amount that an employee can contribute during a purchase right period is \$5,000. The exercise price of a purchase right is the lesser of 100% of the fair market value of a share of common stock on the first day of the purchase right period (the business day preceding January 1) or 85% of the fair market value on the last day of the purchase right period (December 15, or the business day preceding December 15 if December 15 is not a business day).
- *2005 Equity Incentive Plan*. Key employees and non-employee directors may be granted equity awards, including stock options, restricted stock and restricted stock units ("RSUs"). Options granted before March 6, 2006 vested at 25% on the first anniversary of the grant date, and the balance vests monthly thereafter, such that these options become fully vested no later than four years from the date of grant. These options expire no later than ten years from the date of grant. Options granted on and after March 6, 2006 vest at 25% on each anniversary of the grant date. These options expire no later than eight years from the grant date. RSUs granted to date vest at 25% on each anniversary of the grant date.
- *2015 Equity Incentive Plan ("2015 EIP")*. Key employees and non-employee directors may be granted equity awards, including stock options, performance share units ("PSUs") and RSUs. Shares issued with respect to awards granted under the 2015 EIP other than stock options or stock appreciation rights, which are referred to as "full value awards", are counted against the 2015 EIP's aggregate share limit as three shares for every share or unit actually issued. No awards have been made under the 2015 Equity Incentive Plan since the adoption of the 2018 Equity Incentive Plan on March 8, 2018 described below.
- *2018 Equity Incentive Plan ("2018 EIP")*. Key employees and non-employee directors may be granted equity awards, including stock options, PSUs and RSUs. Shares issued with respect to awards granted under the 2018 EIP other than stock options or stock appreciation rights, which are referred to as "full value awards", are counted against the 2018 EIP's aggregate share limit as one share for every share or unit issued. At September 27, 2020, there were 2.5 million shares available for future awards pursuant to the 2018 EIP.

The following table presents our stock-based compensation and related income tax benefits:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Total stock-based compensation	\$ 19,424	\$ 17,618	\$ 19,582
Income tax benefit related to stock-based compensation	(4,318)	(4,016)	(5,288)
Stock-based compensation, net of tax benefit	<u>\$ 15,106</u>	<u>\$ 13,602</u>	<u>\$ 14,294</u>

Stock Options

The following table presents our stock option activity for fiscal year ended September 27, 2020:

	Number of Options (in thousands)	Weighted- Average Exercise Price per Share	Weighted- Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value (in thousands)
Outstanding on September 29, 2019	894	\$ 33.28		
Exercised	(355)	28.63		
Forfeited	—	—		
Outstanding at September 27, 2020	<u>539</u>	36.34	5.04	\$ 29,623
Vested or expected to vest at September 27, 2020	539	36.34	5.04	29,623
Exercisable on September 27, 2020	437	34.17	4.62	24,932

The aggregate intrinsic value in the table above represents the total intrinsic value (the difference between our closing stock price on the last trading day of fiscal 2020 and the exercise price, times the number of shares) that would have been received by the in-the-money option holders if they had exercised their options on September 27, 2020. This amount will change based on the fair market value of our stock. At September 27, 2020, we expect to recognize \$0.7 million of unrecognized compensation cost related to stock option grants over a weighted-average period of one year.

No stock options were granted in fiscal 2019 and fiscal 2020. The weighted-average fair value of stock options granted during fiscal 2018 was \$14.82. The aggregate intrinsic value of options exercised during fiscal 2020, 2019 and 2018 was \$22.4 million, \$20.4 million and \$14.4 million, respectively.

The fair value of our stock options was estimated on the date of grant using the Black-Scholes option pricing model. There were no options granted in fiscal 2020 and 2019. The following assumptions were used in the calculation for fiscal 2018:

	Fiscal Year Ended September 30, 2018
Dividend yield	1.0%
Expected stock price volatility	36.1% - 38.8%
Risk-free rate of return, annual	1.7% - 2.9%

For purposes of the Black-Scholes model, forfeitures were estimated based on historical experience. For the fiscal 2018 year-end, we based our expected stock price volatility on historical volatility behavior and current implied volatility behavior. Our risk-free rate of return was based on constant maturity rates provided by the U.S. Treasury. The expected life was based on historical experience.

Net cash proceeds from the exercise of stock options were \$10.3 million, \$11.8 million and \$13.5 million for fiscal 2020, 2019 and 2018, respectively. Our policy is to issue shares from our authorized shares upon the exercise of stock options. The actual income tax benefit realized from exercises of nonqualified stock options and disqualifying dispositions of qualified options for fiscal 2020, 2019 and 2018 was \$8.3 million, \$6.4 million and \$5.1 million, respectively.

RSU and PSU

RSU awards are granted to our key employee and non-employee directors. The fair value of the RSU was determined at the date of grant using the market price of the underlying common stock as of the date of grant. All of the RSUs have time-based vesting over a four-year period, except that RSUs awarded to directors vest after one year. The total compensation cost of the awards is then amortized over their applicable vesting period on a straight-line basis.

PSU awards are granted to our executive officers and non-employee directors. All of the PSUs are performance-based and vest, if at all, after the conclusion of the three-year performance period. The number of PSUs that ultimately vest is based on 50% growth in our EPS and 50% on our relative total shareholder return over the vesting period. For these performance-based awards, our expected performance is reviewed to estimate the percentage of shares that will vest. The total compensation cost of the awards is then amortized over their applicable vesting period on a straight-line basis.

A summary of the RSU and PSU activity under our stock plans is as follows:

	RSU		PSU	
	Number of Shares (in thousands)	Weighted-Average Grant Date Fair Value per Share	Number of Shares (in thousands)	Weighted-Average Grant Date Fair Value per Share
Nonvested balance at October 1, 2017	511	\$ 33.19	376	\$ 36.05
Granted	199	48.16	99	57.40
Vested	(184)	31.85	(270)	31.66
Adjustment ⁽¹⁾	—	—	131	31.66
Forfeited	(38)	36.39	(13)	41.80
Nonvested balance at September 30, 2018	488	39.56	323	44.27
Granted	179	66.26	90	80.41
Vested	(180)	36.95	(108)	31.63
Adjustment ⁽¹⁾	—	—	79	31.63
Forfeited	(17)	48.56	—	—
Nonvested balance at September 29, 2019	470	50.42	384	53.67
Granted	168	83.92	74	99.85
Vested	(178)	46.87	(162)	47.28
Adjustment ⁽¹⁾	—	—	64	48.36
Forfeited	(16)	65.43	(5)	83.98
Nonvested balance at September 27, 2020	444	63.93	355	64.83

⁽¹⁾ For fiscal 2018, includes a payout adjustment of 130,730 PSUs due to the actual performance level achieved for PSUs granted in fiscal 2015 that vested fiscal 2018. For fiscal 2019, includes a payout adjustment of 79,465 PSUs due to the actual performance level achieved for PSUs granted in fiscal 2016 that vested during fiscal 2019. For fiscal 2020 includes a payout adjustment of 63,643 PSUs due to the actual performance level achieved for PSUs granted in fiscal 2017 that vested during fiscal 2020.

During fiscal 2020, 2019 and 2018, we awarded 167,525, 179,478 and 198,960 shares of RSUs, respectively, to our key employees and non-employee directors. The weighted-average grant-date fair value of RSUs granted during fiscal 2020, 2019 and 2018 was \$83.92, \$66.26 and \$48.16, respectively. At September 27, 2020, there were 443,504 RSUs outstanding. RSU forfeitures result from employment terminations prior to vesting. Forfeited shares return to the pool of authorized shares available for award.

During fiscal 2020, 2019 and 2018, we awarded 74,011, 89,816 and 99,217 shares of PSUs, respectively, to our executive officers and non-employee directors. The weighted-average grant-date fair value of PSUs granted during fiscal 2020, 2019 and 2018 was \$99.85, \$80.41 and \$57.40, respectively.

The stock-based compensation expense related to RSUs and PSUs for fiscal 2020, 2019 and 2018 was \$17.7 million, \$15.4 million and \$15.5 million, respectively, and was included in total stock-based compensation expense. At September 27, 2020, there was \$27.7 million of unrecognized stock-based compensation costs related to nonvested RSUs and PSUs that will be substantially recognized by the end of fiscal 2022.

ESPP

The following table summarizes shares purchased, weighted-average purchase price, and cash received for shares purchased under the ESPP:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands, except for purchase price)		
Shares purchased	168	148	141
Weighted-average purchase price per share	\$ 51.77	\$ 46.38	\$ 40.38
Cash received from exercise of purchase rights	\$ 8,715	\$ 6,844	\$ 5,727

The grant date fair value of each award granted under the ESPP was estimated using the Black-Scholes option pricing model with the following assumptions:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
Dividend yield	1.0%	1.0%	1.0%
Expected stock price volatility	26.5%	26.7%	24.0%
Risk-free rate of return, annual	1.6%	2.6%	1.8%
Expected life (in years)	1	1	1

For fiscal 2020, 2019 and 2018, we based our expected stock price volatility on historical volatility behavior and current implied volatility behavior. The risk-free rate of return was based on constant maturity rates provided by the U.S. Treasury. The expected life was based on the ESPP terms and conditions.

Stock-based compensation expense for fiscal 2020, 2019 and 2018 included \$1.2 million, \$0.9 million and \$0.6 million, respectively, related to the ESPP. The unrecognized stock-based compensation costs for awards granted under the ESPP at fiscal 2020 and 2019 year-ends were \$0.3 million and \$0.2 million, respectively. At September 27, 2020, ESPP participants had accumulated \$8.5 million to purchase our common stock.

12. Retirement Plans

We have defined contribution plans in various countries where we have employees. This primarily includes 401(k) plans in the United States. For fiscal 2020, 2019 and 2018, employer contributions to the U.S. plans were \$25.0 million, \$23.3 million and \$22.4 million, respectively.

Additionally, we have established a non-qualified deferred compensation plan for certain key employees and non-employee directors. These eligible employees and non-employee directors may elect to defer the receipt of salary, incentive payments, restricted stock, PSU and RSU awards, and non-employee director fees. The plan is accounted for in accordance with applicable authoritative guidance on accounting for deferred compensation arrangements where amounts earned are held in a rabbi trust and invested. Employee deferrals are deposited into a rabbi trust, and the funds are generally invested in individual variable life insurance contracts that we own and are specifically designed to informally fund savings plans of this nature. At September 27, 2020 and September 29, 2019, the consolidated balance sheets reflect assets of \$35.1 million and \$30.4 million, respectively, related to the deferred compensation plan in "Other long-term assets," and liabilities of \$35.0 million and \$29.5 million, respectively, related to the deferred compensation plan in "Other long-term liabilities." The net gains and losses related to the deferred compensation plan are reported as part of "Selling, general and administrative expenses" in our consolidated statements of income. These related net gains and losses were immaterial for fiscal 2020, 2019 and 2018.

13. Earnings per Share

The following table sets forth the number of weighted-average shares used to compute basic and diluted EPS:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands, except per share data)		
Net income attributable to Tetra Tech	\$ 173,859	\$ 158,668	\$ 136,883
Weighted-average common shares outstanding – basic	54,235	54,986	55,670
Effect of diluted stock options and unvested restricted stock	787	950	928
Weighted-average common stock outstanding – diluted	55,022	55,936	56,598
Earnings per share attributable to Tetra Tech:			
Basic	\$ 3.21	\$ 2.89	\$ 2.46
Diluted	\$ 3.16	\$ 2.84	\$ 2.42

For fiscal 2020 and 2019, no options were excluded from the calculation of dilutive potential common shares. For fiscal 2018, 0.1 million options were excluded from the calculation of dilutive potential common shares. These options were not included in the computation of dilutive potential common shares because the assumed proceeds per share exceeded the average market price per share for that period. Therefore, their inclusion would have been anti-dilutive.

14. Derivative Financial Instruments

We often use certain interest rate derivative contracts to hedge interest rate exposures on our variable rate debt. Also, we may enter into foreign currency derivative contracts with financial institutions to reduce the risk that cash flows and earnings could adversely be affected by foreign currency exchange rate fluctuations. Our hedging program is not designated for trading or speculative purposes.

We recognize derivative instruments as either assets or liabilities on the accompanying consolidated balance sheets at fair value. We record changes in the fair value (i.e., gains or losses) of the derivatives that have been designated as cash flow hedges in our consolidated balance sheets as accumulated other comprehensive income, and in our consolidated statements of income for those derivatives designated as fair value hedges.

In fiscal 2018, we entered into five interest rate swap agreements that we designated as cash flow hedges to fix the interest rates on the borrowings under our term loan facility. As of September 27, 2020, the notional principal of our outstanding interest swap agreements was \$228.1 million (\$45.6 million each.) The interest rate swaps have a fixed interest rate of 2.79% and expire in July 2023 for all five agreements. At September 27, 2020 and September 29, 2019, the fair value of the effective portion of our interest rate swap agreements designated as cash flow hedges before tax effect was \$(15.5) million and \$(10.9) million, respectively, of which we expect to reclassify \$5.8 million from accumulated other comprehensive loss to interest expense within the next 12 months.

The fair values of our outstanding derivatives designated as hedging instruments were as follows:

		Fair Value of Derivative Instruments as of	
		September 27, 2020	September 29, 2019
Balance Sheet Location		(in thousands)	
Interest rate swap agreements	Other current liabilities	\$ 15,512	\$ 11,009

Changes in the fair value of the interest rate swap agreements are presented on the consolidated statements of comprehensive income as follows:

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
(Loss) gain recognized in other comprehensive income, net of tax			
Interest rate swap agreements	(4,638)	(12,125)	806

There were no ineffective portions of derivative instruments. Accordingly, no amounts were excluded from effectiveness testing for our interest rate swap agreements. We had no other derivative instruments that were not designated as hedging instruments for fiscal 2020, 2019 and 2018.

15. Reclassifications Out of Accumulated Other Comprehensive Income (Loss)

The accumulated balances and reporting period activities for fiscal 2020 and 2019 related to reclassifications out of accumulated other comprehensive income are summarized as follows:

	Foreign Currency Translation Adjustments	Gain (Loss) on Derivative Instruments	Accumulated Other Comprehensive Income (Loss)
	(in thousands)		
Balances at September 30, 2018	\$ (128,602)	\$ 1,252	\$ (127,350)
Other comprehensive loss before reclassifications	(21,109)	(11,247)	(32,356)
Amounts reclassified from accumulated other comprehensive income			
Interest rate contracts, net of tax ⁽¹⁾	—	(878)	(878)
Net current-period other comprehensive loss	(21,109)	(12,125)	(33,234)
Balances at September 29, 2019	\$ (149,711)	\$ (10,873)	\$ (160,584)
Other comprehensive income before reclassifications	3,436	(599)	2,837
Amounts reclassified from accumulated other comprehensive income			
Interest rate contracts, net of tax ⁽¹⁾	—	(4,039)	(4,039)
Net current-period other comprehensive income (loss)	3,436	(4,638)	(1,202)
Balances at September 27, 2020	\$ (146,275)	\$ (15,511)	\$ (161,786)

⁽¹⁾ This accumulated other comprehensive component is reclassified to "Interest expense" in our consolidated statements of income. See Note 14, "Derivative Financial Instruments", for more information.

16. Fair Value Measurements

Derivative Instruments. For additional information about our derivative financial instruments (see Note 2, "Basis of Presentation and Preparation" and Note 14, "Derivative Financial Instruments").

Contingent Consideration. We measure our contingent earn-out liabilities at fair value on a recurring basis (see Note 2, "Basis of Presentation and Preparation" and Note 5, "Acquisitions and Divestitures" for further information).

Debt. The fair value of long-term debt was determined using the present value of future cash flows based on the borrowing rates currently available for debt with similar terms and maturities (Level 2 measurement). The carrying value of our long-term debt approximated fair value at September 27, 2020 and September 29, 2019. At September 27, 2020, we had borrowings of \$254.9 million outstanding under our Amended Credit Agreement, which were used to fund our business acquisitions, working capital needs, stock repurchases, dividends, capital expenditures and contingent earn-outs.

17. Commitments and Contingencies

We are subject to certain claims and lawsuits typically filed against the consulting and engineering profession, alleging primarily professional errors or omissions. We carry professional liability insurance, subject to certain deductibles and policy limits, against such claims. However, in some actions, parties are seeking damages that exceed our insurance coverage or for which we are not insured. While management does not believe that the resolution of these claims will have a material adverse effect, individually or in aggregate, on our financial position, results of operations or cash flows, management acknowledges the uncertainty surrounding the ultimate resolution of these matters.

On July 15, 2019, following an initial January 14, 2019 filing, the Civil Division of the United States Attorney's Office filed an amended complaint in intervention in three qui tam actions filed against our subsidiary, Tetra Tech EC, Inc. ("TtEC"), in the U.S. District Court for the Northern District of California. The complaint alleges False Claims Act violations and breach of contract related to TtEC's contracts to perform environmental remediation services at the former Hunters Point Naval Shipyard in San Francisco, California. TtEC disputes the claims and will defend this matter vigorously. We are currently unable to determine the probability of the outcome of this matter or the range of reasonably possible loss, if any.

18. Reportable Segments

We managed our operations under two reportable segments. Our GSG reportable segment primarily includes activities with U.S. government clients (federal, state and local) and all activities with development agencies worldwide. Our CIG reportable segment primarily includes activities with U.S. commercial clients and international clients other than development agencies. Additionally, we continue to report the results of the wind-down of our non-core construction activities in the RCM reportable segment.

Our reportable segments are described as follows:

GSG: GSG provides consulting and engineering services primarily to U.S. government clients (federal, state and local) and development agencies worldwide. GSG supports U.S. government civilian and defense agencies with services in water, environment, sustainable infrastructure, information technology, and disaster management. GSG also provides engineering design services for U.S. municipal and commercial clients, especially in water infrastructure, solid waste, and high-end sustainable infrastructure designs. GSG also leads our support for development agencies worldwide, especially in the United States, United Kingdom, and Australia.

CIG: CIG primarily provides consulting and engineering services to U.S. commercial clients, and international clients that include both commercial and government sectors. CIG supports commercial clients across the Fortune 500, energy utilities, industrial, manufacturing, aerospace, and resource management markets. CIG also provides infrastructure and related environmental, engineering and project management services to commercial and local government clients across Canada, in Asia Pacific (primarily Australia and New Zealand), the United Kingdom, as well as Brazil and Chile.

RCM: We continued to report the results of the wind-down of our non-core construction activities in the RCM reportable segment for fiscal 2020. As of September 27, 2020, there was no remaining backlog for RCM as the projects were complete.

Management evaluates the performance of these reportable segments based upon their respective segment operating income before the effect of amortization expense related to acquisitions, and other unallocated corporate expenses. We account for inter-segment revenues and transfers as if they were to third parties; that is, by applying a negotiated fee onto the costs of the services performed. All significant intercompany balances and transactions are eliminated in consolidation.

The following tables present summarized financial information of our reportable segments:

Reportable Segments

	Fiscal Year Ended		
	September 27, 2020	September 29, 2019	September 30, 2018
	(in thousands)		
Revenue			
GSG	\$ 1,778,922	\$ 1,820,671	\$ 1,694,871
CIG	1,266,059	1,342,509	1,323,142
RCM	198	(1,542)	14,199
Elimination of inter-segment revenue	(50,288)	(54,290)	(68,064)
Total revenue	\$ 2,994,891	\$ 3,107,348	\$ 2,964,148
Income from operations			
GSG	\$ 168,669	\$ 185,263	\$ 168,211
CIG	114,022	79,633	74,451
RCM	—	(5,933)	(4,573)
Corporate ⁽¹⁾	(41,600)	(70,201)	(48,003)
Total income from operations	\$ 241,091	\$ 188,762	\$ 190,086

⁽¹⁾ Includes goodwill and intangible assets impairment charges, amortization of intangibles, other costs and other income not allocable to segments. The intangible asset amortization expense for fiscal 2020, 2019 and 2018 was \$11.6 million, \$11.6 million and \$18.2 million, respectively. Additionally, Corporate results included income (loss) for fair value adjustments to contingent consideration liabilities of \$15.0 million, \$(1.1) million and \$(4.3) million for fiscal 2020, 2019 and 2018, respectively. Corporate results in fiscal 2020 and 2019 also included \$15.8 million and \$7.8 million goodwill impairment charges, respectively. See Note 6 - "Goodwill and Intangible Assets" for more information.

	Balance at	
	September 27, 2020 ⁽¹⁾	September 29, 2019
	(in thousands)	
Total Assets		
GSG	\$ 649,417	\$ 587,040
CIG	479,238	450,276
RCM	14,258	15,608
Corporate ⁽²⁾	1,235,645	1,094,484
Total assets	\$ 2,378,558	\$ 2,147,408

⁽¹⁾ Fiscal 2020 includes recognition of ROU assets for leases (substantially all operating leases) upon the adoption of ASU 2016-02 in the first quarter of fiscal 2020.

⁽²⁾ Corporate assets consist of intercompany eliminations and assets not allocated to our reportable segments including goodwill, intangible assets, deferred income taxes and certain other assets.

Geographic Information

	Fiscal Year Ended					
	September 27, 2020		September 29, 2019		September 30, 2018	
	Revenue	Long-Lived Assets ^(2,3)	Revenue	Long-Lived Assets ⁽²⁾	Revenue	Long-Lived Assets ⁽²⁾
United States	\$ 2,107,457	\$ 230,933	\$ 2,247,780	\$ 51,859	\$ 2,232,013	\$ 57,256
Foreign countries ⁽¹⁾	887,434	108,348	859,568	46,113	732,135	28,235

⁽¹⁾ Includes revenue and long-lived assets from our foreign operations, primarily in Canada, Australia and the United Kingdom, and revenue generated from non-U.S. clients.

⁽²⁾ Excludes goodwill, intangible assets and deferred income taxes.

⁽³⁾ Includes recognition of ROU assets for leases (substantially all operating leases) upon the adoption of ASU 2016-02 in the first quarter of fiscal 2020.

19. Related Party Transactions

We often provide services to unconsolidated joint ventures. Our revenue related to services we provided to unconsolidated joint ventures for fiscal 2020, 2019 and 2018 was \$88.2 million, \$99.1 million and \$75.0 million, respectively. Our related reimbursable costs for fiscal 2020, 2019 and 2018 were approximately \$86.4 million, \$98.5 million and \$76.6 million, respectively. Our consolidated balance sheets also included the following amounts related to these services:

	Balance at	
	September 27, 2020	September 29, 2019
	(in thousands)	
Accounts receivable, net	\$ 20,884	\$ 19,351
Contract assets	3,261	9,681
Contract liabilities	478	111

20. Quarterly Financial Information – Unaudited

In the opinion of management, the following unaudited quarterly data for the fiscal years ended September 27, 2020 and September 29, 2019 reflect all adjustments necessary for a fair statement of the results of operations.

In the second quarter of fiscal 2020, we incurred incremental costs totaling \$8.2 million to address the COVID-19 pandemic. In the fourth quarter of fiscal 2020, we recorded adjustments to our contingent earn-out liabilities and reported related net gains in operating income of \$13.5 million. Additionally, we recorded a \$15.8 million goodwill impairment charge related to the ASP reporting unit, which is in our CIG segment. We sold non-core equipment related to the disposal of our Canadian turn-key pipeline activities throughout fiscal 2020 which resulted in gains of \$0.8 million, \$2.2 million, \$4.5 million, and \$1.0 million in the first, second, third, and fourth quarters of fiscal 2020, respectively.

In the second quarter of fiscal 2019, deferred tax valuation allowances of \$22.3 million in Australia were released due to sufficient positive evidence obtained. During the fourth quarter of fiscal 2019, we decided to dispose of the Canadian turn-key pipeline activities in our CIG segment. As a result, we recorded a \$7.8 million goodwill impairment charge and other charges for severance and other disposition costs totaling \$10.9 million. Also in the fourth quarter of fiscal 2019, we incurred acquisition and transaction charges of \$10.4 million related to the acquisition of WYG.

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	(in thousands, except per share data)			
Fiscal Year 2020				
Revenue	\$ 797,623	\$ 734,133	\$ 709,771	\$ 753,364
Income from operations	63,302	47,530	63,525	66,735
Net income attributable to Tetra Tech	47,310	36,397	45,497	44,654
Earnings per share attributable to Tetra Tech:				
Basic	\$ 0.87	\$ 0.67	\$ 0.84	\$ 0.83
Diluted	\$ 0.85	\$ 0.66	\$ 0.83	\$ 0.82
Weighted-average common shares outstanding:				
Basic	54,560	54,699	53,985	53,841
Diluted	55,438	55,463	54,692	54,603
Fiscal Year 2019				
Revenue	\$ 717,431	\$ 722,621	\$ 825,793	\$ 841,502
Income from operations	55,711	47,545	64,841	20,665
Net income attributable to Tetra Tech	41,997	55,911	49,233	11,527
Earnings per share attributable to Tetra Tech:				
Basic	\$ 0.76	\$ 1.01	\$ 0.90	\$ 0.21
Diluted	\$ 0.75	\$ 1.00	\$ 0.88	\$ 0.21
Weighted-average common shares outstanding:				
Basic	55,390	55,143	54,819	54,617
Diluted	56,366	55,985	55,768	55,618

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures**Evaluation of disclosure controls and procedures and changes in internal control over financial reporting**

At September 27, 2020, we carried out an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures. Based on our management's evaluation (with the participation of our principal executive officer and principal financial officer), our principal executive officer and principal financial officer have concluded that, as of the end of the period covered by this report, our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act), were effective.

Management's Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting. As defined in Exchange Act Rule 13a-15(f), internal control over financial reporting is a process designed by, or under the supervision of, our principal executive and principal financial officer and effected by our Board of Directors, management and other personnel to provide reasonable assurance regarding the reliability of financial reporting and the preparation of consolidated financial statements for external purposes in accordance with U.S. GAAP. Internal controls include those policies and procedures that (i) pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of our assets; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with U.S. GAAP and that our receipts and expenditures are being made only in accordance with authorizations of our management and directors; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of our assets that could have a material effect on our consolidated financial statements. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate. Accordingly, even effective internal control over financial reporting can only provide reasonable assurance of achieving their control objectives.

Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we assessed the effectiveness of our internal control over financial reporting at September 27, 2020, based on the criteria in *Internal Control – Integrated Framework* (2013) issued by the COSO. Based upon this assessment, management has concluded that our internal control over financial reporting was effective at September 27, 2020.

PricewaterhouseCoopers LLP, the independent registered public accounting firm that audited the consolidated financial statements included in this Form 10-K, has issued a report on our internal control over financial reporting. This report, dated November 23, 2020, appears on pages 58-60 of this Form 10-K.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting during the three months ended September 27, 2020 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Item 9B. Other Information

None.

PART III**Item 10. Directors, Executive Officers and Corporate Governance**

The information required by this item relating to our directors and nominees, regarding compliance with Section 16(a) of the Exchange Act, and regarding our Audit Committee is included under the captions "Item No. 1 – Election of Directors" and "Section 16(a) Beneficial Ownership Reporting Compliance" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Pursuant to General Instruction G(3) of Form 10-K, the information required by this item relating to our executive officers is included under the caption "Executive Officers of the Registrant" in Part I of this Report.

We have adopted a code of ethics that applies to our principal executive officer and all members of our finance department, including our principal financial officer and principal accounting officer. This code of ethics, entitled "Finance Code of Professional Conduct," is posted on our website. The Internet address for our website is www.tetrattech.com, and the code of ethics may be found through a link to the Investor Relations section of our website.

We intend to satisfy the disclosure requirement under Item 5.05 of Form 8-K for any amendment to, or waiver from, a provision of this code of ethics by posting any such information on our website, at the address and location specified above.

Item 11. Executive Compensation

The information required by this item is included under the captions "Item No. 1 – Election of Directors" and "Executive Compensation Tables" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The information required by this item relating to security ownership of certain beneficial owners and management, and securities authorized for issuance under equity compensation plans, is included under the caption "Security Ownership of Management and Significant Stockholders" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Item 13. Certain Relationships and Related Transactions, and Director Independence

The information required by this item relating to review, approval or ratification of transactions with related persons is included under the caption "Related Person Transactions," and the information required by this item relating to director independence is included under the caption "Item No. 1 – Election of Directors," in each case in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

Item 14. Principal Accounting Fees and Services

The information required by this item is included under the caption "Item No. 4 – Ratification of Independent Registered Public Accounting Firm" in our Proxy Statement related to the 2021 Annual Meeting of Stockholders and is incorporated by reference.

PART IV

Item 15. Exhibits, Financial Statement Schedules

(a.) **1 Financial Statements**

The Index to Financial Statements and Financial Statement Schedule on page [57](#) is incorporated by reference as the list of financial statements required as part of this Report.

2 Financial Statement Schedule

The Index to Financial Statements and Financial Statement Schedule on page [57](#) is incorporated by reference as the list of financial statement schedules required as part of this Report.

3 Exhibits

The exhibit list in the Index to Exhibits on pages [101](#) is incorporated by reference as the list of exhibits required as part of this Report.

Tetra Tech, Inc.
SCHEDULE II – VALUATION AND QUALIFYING ACCOUNTS AND RESERVES

For the Fiscal Years Ended
September 30, 2018, September 29, 2019 and September 27, 2020
(in thousands)

	Balance at Beginning of Period	Charged to Costs and Expenses	Deductions ⁽²⁾	Other ⁽³⁾	Balance at End of Period
Allowance for doubtful accounts ⁽¹⁾:					
Fiscal 2018	\$ 3,987	\$ 1,496	\$ (295)	—	\$ 5,188
Fiscal 2019	5,188	7,242	(1,868)	—	10,562
Fiscal 2020	10,562	1,472	(4,887)	—	7,147
Income tax valuation allowance:					
Fiscal 2018	\$ 25,326	\$ 900	\$ —	\$ (4,747)	\$ 21,479
Fiscal 2019	21,479	255	(23,714)	22,523	20,543
Fiscal 2020	20,543	3,852	—	—	24,395

⁽¹⁾ Reflects updated presentation of allowance for doubtful accounts to include expected credit losses in anticipation of our adoption of ASU 2016-13 in the first quarter of fiscal 2021.

⁽²⁾ Primarily represents write-offs of uncollectible amounts, net of recoveries for the allowance for doubtful accounts. The income tax valuation amount represents the release of valuation allowances in Australia.

⁽³⁾ Includes loss in foreign jurisdictions, currency adjustments, and valuation allowance adjustments related to net operating loss carry-forwards.

INDEX TO EXHIBITS

- 3.1 [Restated Certificate of Incorporation of the Company \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K dated February 26, 2009\).](#)
- 3.2 [Bylaws of the Company \(amended and restated as of April 2009\) \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K dated April 24, 2009\), and amended as of November 7, 2016 \(incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K dated November 9, 2016\).](#)
- 10.1 [Second Amended and Restated Credit Agreement dated as of July 30, 2018 among Tetra Tech, Inc., Tetra Tech Canada Holding Corporation, Coffey UK Limited, Coffey Services Australia Pty. Ltd., the lenders party thereto and Bank of America, N.A., as Administrative Agent \(incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated August 1, 2018\).](#)
- 10.2 [Employee Stock Purchase Plan \(incorporated by reference to Exhibit 10.2 to the Company's Annual Report on Form 10-K for the fiscal year ended September 30, 2012\).](#)
- 10.3 [2005 Equity Incentive Plan \(as amended through November 7, 2011\) \(incorporated by reference to the Company's Proxy Statement for its 2012 Annual Meeting of Stockholders held on February 28, 2012\).*](#)
- 10.4 [First Amendment to the 2005 Equity Incentive Plan \(as amended through November 7, 2011\) \(incorporated by reference to Exhibit 10.9 to the Company's Annual Report on Form 10-K for the fiscal year ended September 29, 2013\).*](#)
- 10.5 [2015 Equity Incentive Plan \(incorporated by reference to the Company's Proxy Statement for its 2015 Annual Meeting of Stockholders held on March 5, 2015\).*](#)
- 10.6 [2018 Equity Incentive Plan \(incorporated by reference to the Company's Proxy Statement for its 2018 Annual Meeting of Stockholders held on March 8, 2018\).*](#)
- 10.7 [Form of Indemnity Agreement entered into between the Company and each of its directors and executive officers \(incorporated by reference to Exhibit 10.20 to the Company's Annual Report on Form 10-K for the fiscal year ended October 3, 2004\).*](#)
- 10.8 [Amended and Restated Deferred Compensation Plan \(incorporated by reference to Exhibit 10 to the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended March 29, 2020\).*](#)
- 10.9 [Change of Control Severance Plan effective March 26, 2018 \(incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated March 9, 2018\).*](#)
- 10.10 [Executive Compensation Plan \(as amended and restated November 14, 2013\) \(incorporated by reference to Exhibit 10.23 to the Company's Annual Report on Form 10-K for the fiscal year ended September 29, 2013\).*](#)
- [21. Subsidiaries of the Company.+](#)
- [23 Consent of Independent Registered Public Accounting Firm \(PricewaterhouseCoopers LLP\).+](#)
- [24. Power of Attorney \(included on page 103 of this Annual Report on Form 10-K\).](#)
- [31.1 Chief Executive Officer Certification pursuant to Rule 13a-14\(a\)/15d-14\(a\). Executive Officer Certification pursuant to Rule 13a-14\(a\)/15d-14\(a\).+](#)
- [31.2 Chief Financial Officer Certification pursuant to Rule 13a-14\(a\)/15d-14\(a\).+](#)
- [32.1 Certification of Chief Executive Officer pursuant to Section 1350.+](#)
- [32.2 Certification of Chief Financial Officer pursuant to Section 1350.+](#)
- [95. Mine Safety Disclosures.+](#)

101 The following financial information from our Company's Annual Report on Form 10-K, for the period ended September 27, 2020 , formatted in Inline eXtensible Business Reporting Language: (i) Consolidated Balance Sheets, (ii) Consolidated Statements of Income, (iii) Consolidated Statement of Comprehensive Income, (iv) Consolidated Statements of Equity, (v) Consolidated Statements of Cash Flows, (vi) Notes to Consolidated Financial Statements.+(1)

* Indicates a management contract or compensatory arrangement.

+ Filed herewith.

(1) Pursuant to Rule 406T of Regulation S-T, the XBRL related information in Exhibit 101 to this Annual Report on Form 10-K shall not be deemed to be "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liability of the section, and shall not be deemed part of a registration statement, prospectus or other document filed under the Securities Act or the Exchange Act, except as shall be expressly set forth by specific reference in such filings.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this Report on Form 10-K to be signed on its behalf by the undersigned, thereunto duly authorized.

TETRA TECH, INC.

By:

/s/ DAN L. BATRACK

Dan L. Batrack
Chairman and Chief Executive Officer

Date: November 20, 2020

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Dan L. Batrack and Steven M. Burdick, jointly and severally, his attorney-in-fact, each with the full power of substitution, for such person, in any and all capacities, to sign any and all amendments to this Annual Report on Form 10-K, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he might do or could do in person, hereby ratifying and confirming all that each of said attorneys-in-fact and agents, or his substitute, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this Report on Form 10-K has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

Signature	Title	Date
/s/ DAN L. BATRACK Dan L. Batrack	Chairman and Chief Executive Officer (Principal Executive Officer)	November 20, 2020
/s/ STEVEN M. BURDICK Steven M. Burdick	Executive Vice President, Chief Financial Officer (Principal Financial Officer)	November 20, 2020
/s/ BRIAN N. CARTER Brian N. Carter	Senior Vice President, Corporate Controller (Principal Accounting Officer)	November 20, 2020
/s/ GARY R. BIRKENBEUEL Gary R. Birkenbeuel	Director	November 20, 2020
/s/ PATRICK C. HADEN Patrick C. Haden	Director	November 20, 2020
/s/ J. CHRISTOPHER LEWIS J. Christopher Lewis	Director	November 20, 2020
/s/ JOANNE M. MAGUIRE Joanne M. Maguire	Director	November 20, 2020
/s/ KIMBERLY E. RITRIEVI Kimberly E. Ritrievi	Director	November 20, 2020
/s/ J. KENNETH THOMPSON J. Kenneth Thompson	Director	November 20, 2020
/s/ KIRSTEN M. VOLPI Kirsten M. Volpi	Director	November 20, 2020

Subsidiaries of Tetra Tech, Inc.

NAME	JURISDICTION OF FORMATION
Advanced Management Technology, Inc.	Virginia
American Environmental Group, Ltd.	Ohio
America's Schoolhouse Consulting Services, Inc.	New York
ARD, Inc.	Vermont
Ardaman & Associates, Inc.	Florida
BIOCNG, LLC	New York
BlueWater Federal Solutions, Inc.	Delaware
Cornerstone Environmental Group, LLC	New York
Cosentini Associates, Inc.	New York
Foothills Indemnity, Inc.	Hawaii
Fort Point Associates, Inc.	Massachusetts
Global Tech Inc.	Virginia
Glumac	California
Hydro-Ops LLC	Delaware
INDUS Corporation	Virginia
Integrated Justice Systems International, LLC	Delaware
LDIS, LLC	Colorado
Management Systems International, Inc.	District of Columbia
PRO-telligent, LLC	Delaware
Rooney Engineering, Inc.	Colorado
Segue Technologies, Inc.	Virginia
Tetra Tech Alaska, L.L.C.	Alaska
Tetra Tech Australia Pty Ltd	Australia
Tetra Tech BAS, Inc.	California
Tetra Tech CES, LLC	Washington
Tetra Tech Coffey Holding LLC	Delaware
Tetra Tech Construction, Inc.	New York
Tetra Tech EC, Inc.	Delaware
Tetra Tech EMC, Inc.	California
Tetra Tech ES, Inc.	Delaware
Tetra Tech Executive Services, Inc.	California
Tetra Tech Expeditionary Operations, Inc.	Delaware
Tetra Tech Holding LLC	Delaware
Tetra Tech Holdings Pty Ltd.	Australia
Tetra Tech International, Inc.	Delaware
Tetra Tech MA, Inc.	Delaware
Tetra Tech MIMDU, LLC	Delaware
Tetra Tech Technical Services, Inc.	Delaware
Tetra Tech Tesoro, Inc.	Virginia
Tetra Tech UK Holdings Limited	United Kingdom

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (Nos. 333-226586, 333-211153, 333-203817, 333-184958, 333-174032, 333-158932, 333-148712, 333-145201, 333-145199, 333-85558, 333-53036, and 333-11757) of Tetra Tech, Inc. of our report dated November 23, 2020 relating to the financial statements, financial statement schedule and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP

Los Angeles, California

November 23, 2020

**Chief Executive Officer Certification Pursuant to
Section 302 of the Sarbanes-Oxley Act of 2002**

I, Dan L. Batrack, certify that:

1. I have reviewed this Annual Report on Form 10-K of Tetra Tech, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 23, 2020

/s/ Dan L. Batrack

Dan L. Batrack
Chairman and Chief Executive Officer
(Principal Executive Officer)

**Chief Financial Officer Certification Pursuant to
Section 302 of the Sarbanes-Oxley Act of 2002**

I, Steven M. Burdick, certify that:

1. I have reviewed this Annual Report on Form 10-K of Tetra Tech, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 23, 2020

/s/ Steven M. Burdick

Steven M. Burdick
Chief Financial Officer
(Principal Financial Officer)

**Certification of Chief Executive Officer Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002**

In connection with the Annual Report of Tetra Tech, Inc. (the "Company") on Form 10-K for the fiscal year ended September 27, 2020, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Dan L. Batrack, Chief Executive Officer of the Company, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

1. The Report fully complies with the requirements of Section 13(a) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 23, 2020

/s/ DAN L. BATRACK

Dan L. Batrack
Chairman and Chief Executive Officer
(Principal Executive Officer)

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Tetra Tech, Inc. and will be retained by Tetra Tech, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

The foregoing certification is being furnished to the Securities and Exchange Commission as an exhibit to the Form 10-K and shall not be considered filed as part of the Form 10-K.

**Certification of Chief Financial Officer Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002**

In connection with the Annual Report of Tetra Tech, Inc. (the "Company") on Form 10-K for the fiscal year ended September 27, 2020, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Steven M. Burdick, Chief Financial Officer and Treasurer of the Company, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

1. The Report fully complies with the requirements of Section 13(a) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: November 23, 2020

/s/ STEVEN M. BURDICK

Steven M. Burdick
Chief Financial Officer
(Principal Financial Officer)

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Tetra Tech, Inc. and will be retained by Tetra Tech, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

The foregoing certification is being furnished to the Securities and Exchange Commission as an exhibit to the Form 10-K and shall not be considered filed as part of the Form 10-K.

MINE SAFETY DISCLOSURES

The following table shows, for each project performed at U.S. mines that is subject to the Federal Mine Safety and Health Act of 1977 (“*MSHA*”), the information required by Section 1503(a) of the Dodd-Frank Wall Street Reform and Consumer Protection Act and Item 104 of Regulation S-K. Section references are to sections of MSHA.

12 Month Period Ending September 27, 2020	Delaney Crushed Stone Products, Inc
Alleged violations of mandatory health or safety standards that could significantly and substantially contribute to the cause and effect of a mine safety or health hazard (#)	0
Section 104(b) orders (#)	0
Section 104(d) citations and orders (#)	0
Section 110(b)(2) violations (#)	0
Section 107(a) orders (#)	0
Proposed assessments under MSHA (\$) whole dollars	\$280.00
Mining-related fatalities (#)	0
Section 104(e) notice	0
Notice of the potential for a pattern of violations under Section 104(e)	0
Legal actions before the Federal Mine Safety and Health Review Commission (“FMSHRC”) initiated (#)	0
Legal actions before the FMSHRC resolved	0
Legal actions pending before the FMSHRC, end of period	-
Contests of citations and orders reference in Subpart B of 29 CFR Part 2700	0
Contests of proposed penalties referenced in Subpart C of 29 CFR Part 2700 (#)	0
Complaints for compensation referenced in Subpart D of 29 CFR Part 2700 (#)	0
Complaints of discharge, discrimination or interference reference in Subpart E of 29 CFR Part 2700 (#)	0
Applications for temporary relief referenced in Subpart F of 29 CFR Part 2700 (#)	0
Appeals of judges’ decisions or orders reference in Subpart H of 29 CFR Part 2700 (#)	0
Total pending legal actions (#)	0



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
02/25/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Insurance Services West, Inc. Los Angeles CA Office 707 Wilshire Boulevard Suite 2600 Los Angeles CA 90017-0460 USA		CONTACT NAME: PHONE (A/C. No. Ext.): (866) 283-7122 FAX (A/C. No.): (800) 363-0105 E-MAIL ADDRESS:	
		INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED Tetra Tech, Inc. 2301 Lucien Way, Suite 120 Maitland, FL 32751 USA		INSURER A: Lexington Insurance Company INSURER B: Zurich American Ins Co INSURER C: American International Group UK Ltd INSURER D: INSURER E: INSURER F:	19437 16535 AA1120841

COVERAGES

CERTIFICATE NUMBER: 570084052308

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> X,C,U Coverage GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:			GL0181740602	10/01/2020	10/01/2021	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			BAP 1857085 02	10/01/2020	10/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$100,000			62785232	10/01/2020	10/01/2021	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC254061602 WC185708702	10/01/2020 10/01/2020	10/01/2021 10/01/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
A	Env Contr Prof			028182375 Prof/Poll Liab SIR applies per policy terms & conditions	10/01/2019	10/01/2021	Each Claim \$5,000,000 Aggregate \$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Contract for Disaster Debris Removal Monitoring Services, RFP #PW-H1000301C

Nassau County, NY is included as Additional Insured in accordance with the policy provisions of the General Liability and Automobile Liability policies as required by written contract. General Liability policy evidenced herein are Primary and Non Contributory to other insurance available to Additional Insured, but only in accordance with the policy's provisions as required by written contract. A waiver of Subrogation is granted in favor of Nassau County, NY in accordance with the policy provisions of the General Liability, Automobile Liability and Workers' Compensation policies as required by written contract. Stop Gap Coverage for the following states: OH, ND, WA, WY.

CERTIFICATE HOLDER

CANCELLATION

Nassau County, NY 1194 Prospect Avenue Westbury, New York 11590 Attn: Department of Public Works	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Aon Risk Insurance Services West, Inc.</i>

Additional Insured – Automatic – Owners, Lessees Or Contractors



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
GLO 1817406-02	10/01/2020	10/01/2021	10/01/2020	7527200		

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Named Insured: Tetra Tech, Inc.

Address (including ZIP Code):

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

A. Section II – Who Is An Insured is amended to include as an additional insured any person or organization whom you are required to add as an additional insured on this policy under a written contract or written agreement. Such person or organization is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf,

in the performance of your ongoing operations or "your work" as included in the "products-completed operations hazard", which is the subject of the written contract or written agreement.

However, the insurance afforded to such additional insured:

1. Only applies to the extent permitted by law; and
2. Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to:

"Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services including:

- a. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- b. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional architectural, engineering or surveying services.

C. The following is added to Paragraph 2. Duties In The Event Of Occurrence, Offense, Claim Or Suit of Section IV – Commercial General Liability Conditions:

The additional insured must see to it that:

1. We are notified as soon as practicable of an "occurrence" or offense that may result in a claim;
2. We receive written notice of a claim or "suit" as soon as practicable; and
3. A request for defense and indemnity of the claim or "suit" will promptly be brought against any policy issued by another insurer under which the additional insured may be an insured in any capacity. This provision does not apply to insurance on which the additional insured is a Named Insured if the written contract or written agreement requires that this coverage be primary and non-contributory.

D. For the purposes of the coverage provided by this endorsement:

1. The following is added to the Other Insurance Condition of Section IV – Commercial General Liability Conditions:

Primary and Noncontributory insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured provided that:

- a. The additional insured is a Named Insured under such other insurance; and
 - b. You are required by written contract or written agreement that this insurance be primary and not seek contribution from any other insurance available to the additional insured.
- 2. The following paragraph is added to Paragraph 4.b. of the Other Insurance Condition of Section IV – Commercial General Liability Conditions:**

This insurance is excess over:

Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by a written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

E. This endorsement does not apply to an additional insured which has been added to this policy by an endorsement showing the additional insured in a Schedule of additional insureds, and which endorsement applies specifically to that identified additional insured.

F. With respect to the insurance afforded to the additional insureds under this endorsement, the following is added to Section III – Limits Of Insurance:

The most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the written contract or written agreement referenced in Paragraph A. of this endorsement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations,
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

All other terms and conditions of this policy remain unchanged.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:

ANY PERSON OR ORGANIZATION THAT REQUIRES YOU TO WAIVE YOUR RIGHTS OF RECOVERY, IN A WRITTEN CONTRACT OR AGREEMENT WITH THE NAMED INSURED THAT IS EXECUTED PRIOR TO THE ACCIDENT OR LOSS.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph 8. **Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions:**

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured:

Endorsement Effective Date:

SCHEDULE

Name Of Person(s) Or Organization(s):

ANY PERSON OR ORGANIZATION TO WHOM OR WHICH YOU ARE REQUIRED TO PROVIDE ADDITIONAL INSURED STATUS OR ADDITIONAL INSURED STATUS ON A PRIMARY, NON-CONTRIBUTORY BASIS, IN A WRITTEN CONTRACT OR WRITTEN AGREEMENT EXECUTED PRIOR TO LOSS, EXCEPT WHERE SUCH CONTRACT OR AGREEMENT IS PROHIBITED BY LAW.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Each person or organization shown in the Schedule is an "insured" for Covered Autos Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Paragraph **A.1.** of Section **II** – Covered Autos Liability Coverage in the Business Auto and Motor Carrier Coverage Forms and Paragraph **D.2.** of Section **I** – Covered Autos Coverages of the Auto Dealers Coverage Form.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured: Tetra Tech, Inc.

Endorsement Effective Date:

SCHEDULE

Name(s) Of Person(s) Or Organization(s):

ALL PERSONS AND/OR ORGANIZATIONS THAT ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR LOSS, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The **Transfer Of Rights Of Recovery Against Others To Us** condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

POLICY NUMBER: WC 2540616-02

(Ed. 4-84)

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ALL PERSONS AND/OR ORGANIZATIONS THAT ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR LOSS, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR THAT PERSON AND/OR ORGANIZATION

TEXAS WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

This endorsement applies only to the insurance provided by the policy because Texas is shown in Item 3.A. of the Information Page

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule, but this waiver applies only with respect to bodily injury arising out of the operations described in the Schedule where you are required by a written contract to obtain this waiver from us.

This endorsement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

The premium for this endorsement is shown in the Schedule.

Schedule

1. ☐ Specific Waiver

Name of person or organization

☒ Blanket Waiver

Any person or organization for whom the Named Insured has agreed by written contract to furnish this waiver.

2. Operations:

ALL PERSONS AND/OR ORGANIZATIONS THAT ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR LOSS, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR THAT PERSON AND/OR ORGANIZATION.

3. Premium:

The premium charge for this endorsement shall be _____ percent of the premium developed on payroll in connection with work performed for the above person(s) or organization(s) arising out of the operations described.

4. Advance Premium:

UTAH WAIVER OF SUBROGATION ENDORSEMENT

This endorsement applies only to the insurance provided by the policy because Utah is shown in Item 3.A. of the Information Page.

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule. Our waiver of rights does not release your employees' rights against third parties and does not release our authority as trustee of claims against third parties.

Schedule

**ALL PERSONS AND/OR ORGANIZATIONS THAT ARE REQUIRED BY
WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED
PRIOR TO THE ACCIDENT OR LOSS, THAT WAIVER OF SUBROGATION
BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR
THAT PERSON AND/OR ORGANIZATION.**

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ALL PERSONS AND/OR ORGANIZATIONS THAT ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR LOSS, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR THAT PERSON AND/OR ORGANIZATION

- K. **Hostile Fire** means a fire that becomes uncontrollable or breaks out from where it was intended to be.
- L. **Impaired Property** means tangible property, other than **Your Product** or **Your Work**, that cannot be used or is less useful because:
1. it incorporates **Your Product** or **Your Work** that is known or thought to be defective, deficient, inadequate or dangerous; or
 2. you have failed to fulfill the terms of a contract or agreement;
- if such property can be restored to use by:
1. the repair, replacement, adjustment or removal of **Your Product** or **Your Work**; or
 2. your fulfilling the terms of the contract or agreement.
- M. **Insured** means:
1. the **Named Insured**;
 2. if you are designated in the declarations as:
 - a. an individual, you and your spouse are insureds, but only with respect to the conduct of a business of which you are the sole owner;
 - b. a partnership or joint venture, you are an insured. Your members, your partners, and their spouses are also insureds, but only with respect to the conduct of your business;
 - c. a limited liability company, you are an insured. Your members are also insureds, but only with respect to the conduct of your business. Your managers are insureds, but only with respect to their duties as your managers;
 - d. an organization other than a partnership, joint venture or limited liability company, you are an insured. Your executive officers and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders;
 - e. a trust, you are an insured. Your trustees are also insureds, but only with respect to their duties as trustees;
 3. your employees other than your executive officers (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business;
 4. your volunteer workers only while performing duties related to the conduct of your business;
 5. any person (other than your employee or volunteer worker) or organization while acting as your real estate manager;
 6. your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this policy;
 7. any person or organization, other than the **Named Insured**, included as an additional insured under **Scheduled Underlying Insurance**, but not for broader coverage than would be afforded by such **Scheduled Underlying Insurance**.

Notwithstanding any of the above:

- a. no person or organization is an **Insured** with respect to the conduct of any current, past or newly formed partnership, joint venture or limited liability company that is not designated as a **Named Insured** in Item 1 of the Declarations; and
- b. no person or organization is an **Insured** under this policy who is not an **Insured** under applicable **Scheduled Underlying Insurance**. This provision shall not apply to any organization set forth in the definition of **Named Insured** in Paragraph R. 2 and 3.

N. **Insured Contract** means that part of any contract or agreement pertaining to your business under which any **Insured** assumes the tort liability of another party to pay for **Bodily Injury** or **Property Damage** to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Insured Contract does not include that part of any contract or agreement:

1. that indemnifies a railroad for **Bodily Injury** or **Property Damage** arising out of construction or demolition operations, within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, roadbeds, tunnel, underpass or crossing;
 2. that indemnifies an architect, engineer or surveyor for injury or damage arising out of:
 - a. preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
 - b. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or
 3. under which the **Insured**, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the **Insured's** rendering or failure to render professional services, including those shown in subparagraph 2 above and supervisory, inspection, architectural or engineering activities.
- O. **Key Executive** means the Chief Executive Officer, Chief Operating Officer, Chief Financial Officer, President, General Counsel or general partner (if the **Named Insured** is a partnership) of the **Named Insured** or sole proprietor (if the **Named Insured** is a sole proprietorship). A **Key Executive** also means any other person holding a title designated by you and approved by us, which title is shown in Schedule B, Additional Key Executives attached to and forming part of this policy.
- P. **Loss** means those sums actually paid as judgments or settlements, provided, however, that if expenses incurred to defend a **Suit** or to investigate a claim reduce the applicable limits of **Scheduled Underlying Insurance**, then **Loss** shall include such expenses.
- Q. **Mobile Equipment** means any of the following types of land vehicles, including any attached machinery or equipment:
1. bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;
 2. vehicles maintained for use solely on or next to premises you own or rent;
 3. vehicles that travel on crawler treads;
 4. vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:
 - a. power cranes, shovels, loaders, diggers or drills; or
 - b. road construction or resurfacing equipment such as graders, scrapers or rollers;
 5. vehicles not described in Paragraph 1, 2, 3 or 4 above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:

L. Other Insurance

If other valid and collectible insurance applies to damages that are also covered by this policy, this policy will apply excess of the **Other Insurance**. However, this provision will not apply if the **Other Insurance** is specifically written to be excess of this policy.

M. Premium

The first **Named Insured** designated in Item 1 of the Declarations will be responsible for payment of all premiums when due.

The premium for this policy will be computed on the basis set forth in Item 6 of the Declarations. At the beginning of the **Policy Period**, you must pay us the Advance Premium shown in Item 6 of the Declarations.

When this policy expires or if it is cancelled, we will compute the earned premium for the time this policy was in force. If this policy is subject to audit adjustment, the actual exposure base will be used to compute the earned premium. If the earned premium is greater than the Advance Premium, you will promptly pay us the difference. If the earned premium is less than the Advance Premium, we will return the difference to you. But in any event, we will retain the Minimum Premium as shown in Item 6 of the Declarations for each twelve months of the **Policy Period**.

N. Service Of Suit

In the event of our failure to pay any amount claimed to be due hereunder, we, at the **Insured's** request, will submit to the jurisdiction of any court of competent jurisdiction within the United States. Nothing in this condition constitutes or should be understood to constitute a waiver of our rights to commence an action in any court of competent jurisdiction in the United States, to remove an action to a United States District Court, or to seek a transfer of a case to another court as permitted by the laws of the United States or of any state in the United States. It is further agreed that service of process in such suit may be made upon AIG - Claim Intake Department, P.O. Box 10006, Shawnee Mission, KS 66225, or his or her representative, and that in any suit instituted against us upon this contract, we will abide by the final decision of such court or of any appellate court in the event of any appeal.

Further, pursuant to any statute of any state, territory, or district of the United States which makes provision therefor, we hereby designate the Superintendent, Commissioner, or Director of Insurance, other officer specified for that purpose in the statute, or his or her successor or successors in office as our true and lawful attorney upon whom may be served any lawful process in any action, suit, or proceeding instituted by or on behalf of the **Insured** or any beneficiary hereunder arising out of this contract of insurance, and hereby designate the above named Counsel as the person to whom the said officer is authorized to mail such process or a true copy thereof.

O. Separation of Insureds

Except with respect to the Limits of Insurance of this policy and rights or duties specifically assigned to the first **Named Insured** designated in Item 1 of the Declarations, this insurance applies:

1. as if each **Named Insured** were the only **Named Insured**; and
2. separately to each **Insured** against whom claim is made or **Suit** is brought.

P. Transfer of Rights of Recovery

1. If any **Insured** has rights to recover all or part of any payment we have made under this policy, those rights are transferred to us. The **Insured** must do nothing after loss to impair these rights and must help us enforce them.
2. Any recoveries will be applied as follows:
 - a. any person or organization, including the **Insured**, that has paid an amount in excess of the applicable Limits of Insurance of this policy will be reimbursed first;



- b. we then will be reimbursed up to the amount we have paid; and
- c. lastly, any person or organization, including the **Insured** that has paid an amount over which this policy is excess is entitled to claim the remainder.

Expenses incurred in the exercise of rights of recovery will be apportioned among the persons or organizations, including the **Insured**, in the ratio of their respective recoveries as finally settled.

- 3. If, prior to the time of an **Occurrence**, you waive any right of recovery against a specific person or organization for injury or damage as required under an **Insured Contract**, we will also waive any rights we may have against such person or organization

Q. **Transfer of Your Rights and Duties**

Your rights and duties under this policy may not be transferred without our written consent.

If you die or are legally declared bankrupt, your rights and duties will be transferred to your legal representative, but only while acting within the scope of duties as your legal representative. However, notice of cancellation sent to the first **Named Insured** designated in Item 1 of the Declarations and mailed to the address shown in this policy will be sufficient notice to effect cancellation of this policy.

R. **Unintentional Failure to Disclose**

Your failure to disclose all hazards existing as of the inception date of the policy will not prejudice you with respect to the coverage afforded by this policy, provided that any such failure or omission is not intentional.

S. **Coverage Territory**

Payment of **Loss** under this policy shall only be made in full compliance with all United States of America economic or trade sanction laws or regulations, including, but not limited to, sanctions, laws and regulations administered and enforced by the U.S. Treasury Department's Office of Foreign Assets Control ("OFAC").

VII. DEFINITIONS

A. **Advertisement** means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:

- 1. notices that are published include material placed on the Internet or on similar electronic means of communication; and
- 2. regarding web-sites, only that part of a web-site that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.

B. **Auto** means:

- 1. a land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or
- 2. any other land vehicle that is subject to a compulsory or financial responsibility law in the state where it is licensed or principally garaged.

However, **Auto** does not include **Mobile Equipment**.

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
Inter-Departmental Memo

TO: Office of the County Executive
Att: Brian J. Schneider, Deputy County Executive

FROM: Department of Public Works

DATE: August 24, 2020

SUBJECT: Request to Initiate (an RFP) – Part II
Disaster Related Debris Removal Monitoring Services: Public Works
Selection of Firms for
Professional Disaster Related Debris Removal Monitoring Services
RFP No. PW-H10003-01C

This Department intends to procure Professional Disaster Related Debris Removal Monitoring Services for Nassau County Department of Public Works to provide consulting services in preparation for natural disasters, emergencies or other debris generating events. These services include, at no additional cost to the County, participation in annual workshops or planning meetings with County Representatives to establish or review applicable policies and procedures associated with disaster related debris management and monitoring and provide the County with a full day training session on the most current FEMA Public Assistance Policy and Procedures Guidelines (PAPPG), FEMA 325 Public Assistance Debris Management Guide, FEMA 327, Public Assistance Debris Monitoring Guide, recent FEMA Disaster Specific Guidance (DSG) , and policy and procedure guides changes. On May 15, 2020, the Department issued a Request for Proposals (the “RFP”), the purpose of which was to receive proposals from firms providing professional disaster related debris monitoring services for the Nassau County Department of Public Works. Notice of the RFP was published in Newsday, Contract Reporter and was made available on the County’s website. On June 15, 2020, proposals from four (4) firms were received.

A Selection Committee was formed to evaluate each proposal. Members of the Committee included: Richard Iadevaio, Jr., Superintendent of Highway and Drainage Construction, Jane M. Houdek, Attorney for Public Works, Christopher R. Fedele, Assistant Superintendent of Highways and Saji Varughese, Project Manager II. The Committee met on July 13, 2020, to discuss the goals of this RFP and how to score these proposals. On July 20, 2020, the Committee met to discuss draft rating notes and discuss questions to vendors. The committee decided that each member would perform a reference check for the proposed firms and the summary would be e-mailed to the committee. All of the reference checks were submitted to the Committee and were discussed on July 29, 2020. In this Committee meeting, Technical scores were read aloud and then the cost proposals were opened. Including the cost proposal scores, TetraTech scored the highest with 94.50 points and the lowest cost, DebrisTech scored second with 91.34 points and Thompson received third with 89.93 points. NV5 received only 63.88 points and their total combined hourly rate is \$1,560.00, which is the highest cost. Since NV5 scored below 70 points on their score, the committee decided to move forward with three firms and to ask for a BAFO from DebrisTech and Thompson. Thomson submitted a revised BAFO, however DebrisTech stated that they intend to hold the same rates from 2012 and did not change the pricing on the BAFO. The committee met again on August 17, 2020, to discuss the BAFO’s and made a unanimous decision to award a monitoring contract to all three remaining firms. The ranking of each firm by technical proposal score is provided below.

Office of the County Executive
Att: Brian J. Schneider, Deputy County Executive
August 24, 2020
Page two

SUBJECT: Request to Initiate (an RFP) – Part II
Disaster Related Debris Removal Monitoring Services: Public Works
Selection of Firms for
Professional Disaster Related Debris Removal Monitoring Services
RFP No. PW-H10003-01C

Firm Name	Original Tech Proposal Score	Rank	Proposed Combined Hourly Rates *
TetraTech	94.50	1	\$696.00
DebrisTech	91.34	2	\$849.00
Thompson	89.93	3	\$795.24
NV5	63.88	4	\$1560.00

* Proposed fees are the summary of all the hourly rate costs and is only for comparison purposes.

As explained above, TetraTech, DebrisTech, and Thompson scored the highest three (3) positions on the three (3) technical proposals, all above 89%. In its professional judgment, the committee selected the three (3) firms that will provide the greatest value to the County. All selected firms provided in its proposal evidence of having sufficient experience and expertise to successfully carry out required debris monitoring tasks in case of a natural disaster, emergencies or other debris generating events.

Funding for the aforementioned professional services is available under various Capital Projects in the Capital Plan.

In accordance with County procedural guidelines, CSEA has been notified of this proposed agreement

Please signify your approval or disapproval of the foregoing by signing the appropriate column below. Please return a copy of this memo subsequent to it being signed.



Kenneth G. Arnold
Commissioner

KGA:RM:jd

c: Sean Sallie, Deputy Commissioner
Roseann D'Alleva, Deputy Commissioner
Jane Houdek, Attorney for Public Works
Loretta Dionisio, Assistant to Deputy Commissioner
Richard Iadevaio, Jr., Superintendent of Highway and Drainage Construction
Christopher R Fedele, Assistant to Superintendent of Highways
Saji Varughese, Project Manager II

APPROVED:

DISAPPROVED:

 8/24/2020

Brian J. Schneider
Deputy County Executive

Date

Brian J. Schneider
Deputy County Executive

Date

REQUEST FOR QUALIFICATIONS/REQUEST FOR PROPOSAL/REQUEST FOR BID CONTRACT

PART I: Approval by the Deputy County Executive for Operations must be obtained prior to ANY RFQ/RFP/RFBC

☐ RFQ
 ☒ RFP
 ☐ RFBC
 ☐ In-House or Requirements Work Order
Project Title: Debris removal Monitoring servicesDepartment: Public Works Project Manager: Sean Sallie Date: 12.3.19Service Requested: The Department of Public Works is requesting authorization to advertise a request for proposals to solicit qualified firms to perform on-call disaster-related debris removal monitoring services.Justification: The Department is required to be in a state of readiness to respond to significant debris removal demands caused by severe weather events such as hurricanes, microbursts, tropical storms, nor'easters and ice storms. A debris removal monitoring service will track all debris removal operations and assets to assist the County in verifying contractor billing and maintaining eligibility for all applicable federally/state reimbursable programs.Requested by: Sean Sallie, NCDPW Department/Agency/OfficeProject Cost for this Phase/Contract: (Plan/Design/Construction/CM/Equipment) \$2m/contract
Circle appropriate phaseTotal Project Cost: \$2m/contract Date Start Work: 6/1/20 Duration: 60 months
Includes, design, construction and CM Phase being requested Phase being requestedCapital Funding Approval: YES ☐ NO ☒ Rosem Dale 1/13/20
SIGNATURE DATE

Funding Allocation (Capital Project):

See Attached Sheet if multiyear ☐NIFS Entered: J. J. 1/17/20
SIGNATURE DATEAIM Entered: Nancy Allen 1/28/20
SIGNATURE DATEFunding Code: DE Gen 075 NESD
use this on all encumbrancesTimesheet Code: 19-0334
use this on timesheets

State Environmental Quality Review Act (SEQRA):

Type II Action ☒ or, Environmental Assessment Form Required ☐
Supplemental Environmental DocumentationDepartment Head Approval: YES ☒ NO ☐ John Smith
SIGNATUREDCE/Ops Approval: YES ☒ NO ☐ Brian Selmer 1/21/2020
SIGNATURE

PART II: To be submitted to Chief Deputy County Executive after Qualifications/Proposals/Contracts are received from Responding vendors.

Vendor	Quote	Comment	See Attached Sheet <input type="checkbox"/>
1. _____	_____	_____	
2. _____	_____	_____	
3. _____	_____	_____	
4. _____	_____	_____	

DCE/Ops Approval: YES NO Signature _____
Version January 2014

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
Inter-Departmental Memo

TO: Sean Sallie, Deputy Commissioner

FROM: Office of the Commissioner

DATE: February 3, 2020 (**Revised-February 4, 2020**)

SUBJECT: CSEA Sub-Contracting Approval
C19-147 – Contract: Disaster Related Debris Monitoring Services

Please be aware in accordance with Section 32-3 of the CSEA/County CBA, the Department has met with CSEA representatives to discuss your proposed DPW contract referenced above. The Department has determined that it will proceed with the above-referenced contract known as **C19-147**.

Please prepare the necessary documentation to proceed with your work. Once the advisement is certified you may issue the contractor a Notice to Proceed.

If you have any questions, please speak with Jonathan Lesman.



Roseann D'Alleva
Deputy Commissioner

RD:las

c: Loretta Dionisio, Assistant to Deputy Commissioner
Jonathan Lesman, Management Analyst II



COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
Inter-Departmental Memo

TO: Civil Service Employees Association, Nassau Local 830
 Att: Ronald Gurrieri, Executive Vice President

FROM: Department of Public Works

DATE: December 23, 2019

SUBJECT: CSEA Notification of a Proposed DPW Contract
 Disaster-Related Debris Monitoring Services

The following notification is to comply with the spirit and intent of Section 32 of the County/CSEA contract. It should not be implied that the proposed DPW authorization is for work, which has "historically and exclusively been performed by bargaining unit members."

1. DPW plans to recommend on-call contracts/agreements for the following services:
 Debris Removal Monitoring Services
2. The work involves the following: A debris removal monitoring service will track all debris removal operations and assets to assist the County in verifying contractor billing and maintaining eligibility for all applicable federally/state reimbursable programs. Monitoring contractors be responsible for tracking all metrics of the operation and shall provide qualified field staff to conduct monitoring duties. Please note that the Department may issue a single RFP combining the services mentioned above, or two (2) RFP's – one for operations tracking and one for field monitors.
3. An estimate of the cost is: \$2,000,000
4. An estimate of the duration is: Sixty (60) months
5. Due to the nature and complexity of this work, historically, projects of this type have not been completed utilizing County work force.

Should you wish to propose an alternative to the proposed contract/agreement, please respond within 10 days to: Department of Public Works, Att: Roseann D'Alleva, Commissioner, telephone 1-9607, fax 1-9657.



Roseann D'Alleva
 Deputy Commissioner

RD:SS:pl

c: Christopher Nicolino, Director, Office of Labor Relations
 William S. Nimmo, Deputy Commissioner
Sean E. Sallie, Deputy Commissioner
 Loretta Dionisio, Assistant to Deputy Commissioner
 Harold T. Lutz, Director, Traffic Engineering
 Christopher Yansick, Unit Head, Financial Services Unit
 Diane Pyne, Unit Head, Human Resources
 Jonathan Lesman, Management Analyst II



U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS
OFFICE OF THE COMPTROLLER

**Certification Regarding
Debarment, Suspension, Ineligibility and Voluntary Exclusion
Lower Tier Covered Transactions
(Sub-Recipient)**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 28 CFR Part 67, Section 67.510, Participants' responsibilities. The regulations were published as Part VII of the May 26, 1988 *Federal Register* (pages 19160-19211).

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)

(1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department of agency.

(2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Jonathan Burgiel, Business Unit President

2/25/21

Name and Title of Authorized Representative

m/d/yy



Signature

2/25/21

Date

Tetra Tech, Inc.

Name of Organization

2301 Lucien Way, Suite 120, Maitland, FL 32751

Address of Organization

Instructions for Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposes," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transaction," without modification in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may check the Nonprocurement List.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of reports in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

M/WBE UTILIZATION PLAN

INSTRUCTIONS: This form is submitted at the time of bid or procurement submission, or at the time of contract execution, or within a reasonable time thereafter as outlined in procurement submission instructions. This Utilization Plan must contain a detailed description of the supplies and/or services to be provided by each certified Minority and Women-owned Business Enterprise (M/WBE) under the contract. Attach additional sheets if necessary.

Subrecipient Name:	Nassau County, NY	Project Name:	Disaster Debris Removal Monitoring Services
Offeror's Name:	Tetra Tech, Inc.	Federal ID Number:	95-4148514
Address:	2301 Lucien Way, Suite 120	Contract Number (if applicable):	RFP # PW – H1000301C
City State & Zip Code:	Maitland, FL 32751	Phone:	407-803-2551
Location of Work:	Nassau County, NY		

M/WBE Target Goal			Proposed M/WBE Participation		
Category	Percentage	Amount	Category	Percentage	Amount
MBE:	No goal is listed in the County's RFP	\$ No goal is listed in the County's RFP	MBE:	Up to 20 %	\$ TBD as this is a standby contract to be activated on an as needed
WBE:	the County's RFP %	\$	WBE:	%	\$ basis after a disaster has
Totals:	%	\$	Totals:	Up to 20 %	\$ impacted Nassau County.

1. Certified M/WBE Subcontractors/Suppliers Information:				Classification NYS-ESD Certified (Choose One Only)		Federal ID No. :	Detailed Description of Work:	Dollar Value of Subcontractors/ Supplies/Services	Intended performance dates on each component of the contract
				MBE	WBE				
A	Name: M&J Engineering P.C			X		30-0284495	To provide trained staffs to assist with debris monitoring services.	TBD as this is a standby contract to be activated on an as needed basis after a disaster has impacted Nassau County.	
	Address: 2003 Jericho Turnpike New Hyde Park NY, 11040								
	Email: bmawhirter@mjengineers.com								
	Phone: (516) 821-7300								
B	Name:								
	Address:								
	Email:								
	Phone:								
C	Name:								
	Address:								
	Email:								
	Phone:								
D	Name:								
	Address:								
	Email:								
	Phone:								

Contractor Use:	
Name of Preparer:	Betty Kamara, Contracts Administrator
Authorized Signature:	
Date:	06/12/2020
Email:	betty.kamara@tetrattech.com
Phone:	407-803-2551