
WASTEWATER TREATMENT FACILITIES RESTORATION

EDWARD P. MANGANO - COUNTY EXECUTIVE

MONTHLY REPORT

June 2016



EDWARD P. MANGANO
COUNTY EXECUTIVE

SHILA SHAH-GAVNOUDIAS
COMMISSIONER

WASTEWATER TREATMENT FACILITIES RESTORATION

TABLE OF CONTENTS

The June 2016 status report for the Nassau County Wastewater Treatment Facilities Restoration Program is contained herein. The information presented in this report is changing continuously due to the nature of both evolving field conditions and multiple construction activities requiring coordination. The following table of contents will enable the reader to navigate through various Capital Programs contained within this report. Each of the twelve (12) programs contain a financial summary, followed by corresponding details for each project. Page numbers provided in this report correspond to this table of contents; they are located in the lower right corner of each page.

• Table of Contents	i
• Summary Table- Sandy Recovery Projects.....	iii
• Summary Table- Pre-Sandy Projects.....	iv
• Wastewater Facilities Storm Restoration- Capital Program 35121	1
○ Financial Summary Report.....	1
○ Project Details	2-12
• Superstorm Sandy Repair and Mitigation- Capital Program 35123	13
○ Financial Summary Report.....	13
○ Project Details	14-19
• Pump Station Rehabilitation- Capital Program 3P311	20
○ Financial Summary Report.....	20
○ Project Details	21-32
• Pump Station Rehabilitation- Capital Program 3P312	33
○ Financial Summary Report.....	33
○ Project Details	34-45
• Wastewater Odor Control Improvements- Capital Program 35116	46
○ Financial Summary Report.....	46
○ Project Details	47
• Bay Park Preliminary Treatment Modifications- Capital Program 3B120.....	48
○ Financial Summary Report.....	48
○ Project Details	49-50
• Wastewater Facility Improvements- Capital Program 35114.....	51
○ Financial Summary Report.....	51
○ Project Details	52-63
• Bay Park and Cedar Creek Digester Rehabilitation- Capital Program 35100	64
○ Financial Summary Report.....	64
○ Project Details	65-67

- Bay Park STP Various Buildings and Equipment Modifications- Capital Program 3B119...68
 - Financial Summary Report..... 68
 - Project Details69-72
- Cedar Creek Equipment Upgrade- Capital Program 3C067.....73
 - Financial Summary Report.....73
 - Project Details74-79
- East Hills Pump Station Improvements- Capital Program 35107.....80
 - Financial Summary Report.....80
 - Project Details 81
- Wastewater Security Improvements- Capital Program 35117.....82
 - Financial Summary Report..... 82
 - Project Details83-86
- Appendix A- FEMA Award Letter- 1/17/2014.....87
- Appendix B- FEMA Alternate Procedure Pilot Project- 5/29/2015.....94
- Appendix C- Bond Ordinance Allocation Table.....106
- Appendix D- Schedule Summary Table.....120

Sandy Recovery Capital Projects

Financial Summary Report

June 2016 ~ Monthly Report

Capital Project Number	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
35121	\$213,100,945.00	\$102,769,755.00	\$180,745,000.00	\$145,207,377.49	\$51,436,811.63	16.28%	1
35123	\$392,625,294.00	\$81,287,159.00	\$463,726,221.00	\$243,911,517.92	\$72,058,607.29	15.21%	13
3P311	\$98,018,313.00	\$7,814,215.00	\$76,000,000.00	\$70,163,016.90	\$5,767,458.02	5.45%	20
Sum:	\$703,744,552.00	\$191,871,129.00	\$720,471,221.00	\$459,281,912.31	\$129,262,876.94	18.37%	

Non-Sandy Capital Projects

Financial Summary Report

June 2016 ~ Monthly Report

Capital Project Number	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
3P312	\$105,477,039.00	\$0.00	\$1,000,000.00	\$726,700.00	\$6,474.00	0.01%	33
35116	\$30,300,000.00	\$0.00	\$30,000,000.00	\$29,013,794.69	\$27,270,233.01	90.00%	46
3B120	\$39,300,000.00	\$0.00	\$45,060,411.00	\$34,944,122.00	\$12,615,167.76	32.10%	48
35114	\$80,682,121.00	\$0.00	\$73,955,000.00	\$53,818,164.68	\$36,366,304.50	45.07%	51
35100	\$42,600,000.00	\$0.00	\$50,000,000.00	\$31,089,211.23	\$14,421,320.95	33.85%	64
3B119	\$29,748,104.00	\$2,953,275.00	\$38,749,719.00	\$31,873,584.41	\$27,262,649.34	83.37%	68
3C067	\$63,713,526.00	\$0.00	\$45,294,242.00	\$33,651,905.52	\$9,076,417.43	14.25%	73
35107	\$2,590,741.00	\$0.00	\$3,250,000.00	\$2,333,512.51	\$2,458,575.65	94.90%	80
35117	\$12,564,865.00	\$0.00	\$11,250,000.00	\$738,647.00	\$303,167.48	2.41%	82
Sum:	\$406,976,396.00	\$2,953,275.00	\$298,559,372.00	\$218,189,642.04	\$129,780,310.12	31.89%	

Capital Project Number 35121

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$50,000,000.00	\$74,913,196.00	\$180,745,000.00	\$90,248,597.00	\$38,832,335.03	~	N/A
001: Final Settling Tanks	\$13,496,263.00	\$10,579,710.00	\$0.00	\$12,237,956.00	\$9,708,554.92	71.94%	2
003: Raw Sewage Pumps	\$24,509,941.00	\$0.00	\$0.00	\$1,287,800.00	\$0.00	0.00%	3
011: Effluent Screening & Disinfection	\$14,970,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	4
012: Effluent Tide Pumping Building	\$21,849,799.00	\$1,698,528.00	\$0.00	\$19,017,680.66	\$587,952.00	2.69%	5
014E: Electrical Distribution Systems- Phase 2	\$34,354,359.00	\$14,741,771.00	\$0.00	\$18,849,003.00	\$912,599.19	2.66%	6
016G: Secondary Flood Protection and Hardening of Critical Facilities	\$18,776,436.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	7
016M: Bay Park Park Maintenance Building	\$3,960,000.00	\$0.00	\$0.00	\$128,000.00	\$121,036.38	3.06%	8
016TR: Vehicle Fueling Facility and Tank Reconstruction	\$1,860,444.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	9
016V: Dechlorination Vault Storm Mitigation	\$1,003,854.00	\$0.00	\$0.00	\$614,800.00	\$0.00	0.00%	10
018: Plant Boundary Alternative- Stormwater	\$26,425,808.00	\$836,550.00	\$0.00	\$929,500.00	\$296,000.00	1.12%	11
XXX: Miscellaneous Work	\$1,894,041.00	\$0.00	\$0.00	\$1,894,040.83	\$978,334.11	51.65%	12
Sum:	\$213,100,945.00	\$102,769,755.00	\$180,745,000.00	\$145,207,377.49	\$51,436,811.63	24.14%	

* For 000-Admin the budget is allocated as a percent within each individual sub-project. 000-Admin reflects all administrative charges, inclusive of County Labor Charges.



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 001	Final Settling Tanks	Bay Park Sewage Treatment Plant					
Description							
Demolition, removal, and replacement of longitudinal and cross collection system in all ten final settling tanks including chain and flights, drives, guide rails, sprockets, scum piping and actuators, electrical, as well as the instrumentation and controls associated with this system. This project is referenced in the EFC Intended Use Plan under project number C1-5146-37-00.							
Project Status		Financial Data					
The Final Clarifier Rehabilitation Construction Project was bid on August 21st, 2013. Contract S35121-01G was awarded to Primer Construction and Contract S35121-01E was awarded to Welsbach Electric on September 24, 2013. The Notice to Proceed was issued effective October 23, 2013. Contracts S35121-01G & S35121-01E have a contract duration of 24 months. Through RFP No. S35121-01M, Haks Engineers was selected to preform Construction Management Services. Project is complete.		Project Budget: \$13,496,263.00 Reimbursements: \$10,579,710.00 Encumbered: \$12,237,956.00 Paid to Date: \$9,708,554.92 Remaining Funds: \$3,787,708.08 Percent Paid: 71.94%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$0.00	\$758,173.00	\$4,940,775.00
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	7/12/2013	<input checked="" type="checkbox"/>				
4	Bid Opening	8/13/2013	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$0.00	\$379,087.00	\$2,470,388.00
5	Construction NTP	10/23/2013	<input checked="" type="checkbox"/>				
6	Construction Complete	5/13/2016	<input checked="" type="checkbox"/>	NYS DHSES- Additional 15%	\$0.00	\$0.00	\$1,482,233.00
				NYS DHSES- Additional 90% of Contract Change Orders	\$0.00	\$0.00	\$549,054.00



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 003	Raw Sewage Pumps	Bay Park Sewage Treatment Plant					
Description							
Construction of a flood wall encircling the facility, including removable bulkheads at door entrances. Raise equipment above design elevation or provide submersible equipment. Raise all support equipment, panels, actuators, etc. to EL 18.1. This project is referenced in the EFC Intended Use Plan under project number C1-5146-44-00.							
Project Status		Financial Data					
Planning/conceptual design is complete. Through RFP-S35121-03C AECOM was selected to perform design services. Detailed design is scheduled to be complete by September 2016. Construction is anticipated to begin February 2017.		Project Budget: \$24,509,941.00 Reimbursements: \$0.00 Encumbered: \$1,287,800.00 Paid to Date: \$0.00 Remaining Funds: \$24,509,941.00 Percent Paid: 0.00%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/23/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	3/1/2016	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 011	Effluent Screening & Disinfection	Bay Park Sewage Treatment Plant					
Description							
Construct flood walls around the facility, including removable bulkheads at door entrances. Raise hypo feed pumps and spray water booster pumps for effluent screens, above design elevation. Install dry pit submersible effluent service water pumps, seal water booster pumps and submersible sump pumps.							
Project Status		Financial Data					
Planning/conceptual design was completed in January 2016. Through RFP 35121-11C Gannett Fleming was selected to perform design services. RFPs were received on May 26, 2016. Recommendation of Award package is currently being processed. Construction is anticipated to begin May 2017.		<div>Project Budget: \$14,970,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$14,970,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	1/9/2016	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 012	Effluent Tide Pumping Building	Bay Park Sewage Treatment Plant					
Description							
Provide submersible equipment where feasible and locate all non-submersible equipment above the design flood elevation. Specifically, provide dry pit submersible effluent pumps, sample pumps, dewatering pumps, and sump pumps. Construct a new elevated annex to the building to house electrical equipment above the design flood elevation. Gut the existing electrical room and construct an elevated platform in that area to locate ancillary and support equipment, such as air compressors, chlorine analyzers, and HVAC units. This project is referenced in the EFC Intended Use Plan under project number C1-5146-39-00.							
Project Status		Financial Data					
Planning/conceptual design is complete. The County procured Design Services through RFP S35121-12C. Proposals were received on March 28, 2014. AECOM was approved by the Rules Committee on October 6, 2014. Approved by NIFA on November 7, 2014. Construction Management services will be provided by Hak Engineers through RFP S35121-12M. Bid opening for S35121-12G was on September 15, 2015. The lowest bidder was RJ/Scalamandre JV. Contract duration is 820 Days. Construction is anticipated to begin June 30, 2016.		<div>Project Budget: \$21,849,799.00</div> <div>Reimbursements: \$1,698,528.00</div> <div>Encumbered: \$19,017,680.66</div> <div>Paid to Date: \$587,952.00</div> <div>Remaining Funds: \$21,261,847.00</div> <div>Percent Paid: 2.69%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/27/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$849,264.00	\$0.00	\$0.00
2	Procurement (Design Services)	12/8/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	7/7/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	9/15/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$0.00	\$0.00	\$0.00
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Contract Amount	\$849,264.00	\$0.00	\$0.00



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 014E	Electrical Distribution Systems- Phase 2	Bay Park Sewage Treatment Plant					
Description							
Replace main substation and unit substations 1 and 2 with new structure above EL 18.1. Increase capacity of LIPA feeder. Provide interconnection for mobile generator at LIPA substation. Replace duct bank system. Assess the potential for future upgrade of the engine hall for nitrogen removal capacity (i.e. larger process air blowers). This project is referenced in the EFC Intended Use Plan under project number C1-5146-33-00.							
Project Status		Financial Data					
Planning/conceptual design is complete. Bids for Construction Contract No. S35121-14E were received on October 14, 2014. John Picone was the lowest responsible bidder. Recommendation of award is complete. Contract S35121-14E approved by the Rules Committee on December 1, 2014. H2M will be providing Construction Management services through RFP S35121-14M for Phase 2 & Phase 3. The Notice to Proceed was issued effective May 11, 2015. Construction duration is approximately 22 months. Construction has commenced and is ongoing.		Project Budget: \$34,354,359.00 Reimbursements: \$14,741,771.00 Encumbered: \$18,849,003.00 Paid to Date: \$912,599.19 Remaining Funds: \$33,441,759.81 Percent Paid: 2.66%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>	NYS DHSES- 50% Advance	\$0.00	\$5,320,527.00	\$9,421,244.00
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design	8/18/2014	<input checked="" type="checkbox"/>				
4	Bid Opening	10/14/2014	<input checked="" type="checkbox"/>				
5	Construction NTP	5/11/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 016G	Secondary Flood Protection and Hardening of Critical Facilities	Bay Park Sewage Treatment Plant					
Description							
Add flood wall around process tanks including aeration and final settling tanks and include removable bulkheads at entrances. Install dry pit submersible RAS and WAS pumps. Include watertight doors at tunnel access points and aeration blower facilities. This project is referenced in the EFC Intended Use Plan under project number C1-5146-34-00.							
Project Status		Financial Data					
Planning/conceptual design is complete. Through RFP S35121-16C D&B Engineering was selected to provide design services. The Recommendation of Award package is currently being processed. Construction is anticipated to begin June 2017.		<div>Project Budget: \$18,776,436.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$18,776,436.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	10/29/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 016M	Bay Park Park Maintenance Building	Bay Park Sewage Treatment Plant					
Description							
Replacement of Park Maintenance and Road Maintenance buildings impacted by the installation of the berm at Bay Park Sewage Treatment Plant.							
Project Status		Financial Data					
Nassau County engineers are currently working on the preliminary design with support from Hazen & Sawyer/ Arcadis Joint Venture.		<div>Project Budget: \$3,960,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$128,000.00</div> <div>Paid to Date: \$121,036.38</div> <div>Remaining Funds: \$3,838,963.62</div> <div>Percent Paid: 3.06%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 016TR	Vehicle Fueling Facility and Tank Reconstruction	Bay Park Sewage Treatment Plant					
Description							
General construction for removing existing vehicle fueling facility and installation of new facility which will include replacement and installation of new 10,000 gallon diesel and gasoline underground tanks.							
Project Status		Financial Data					
Bid Opening was on April 28, 2015. R.J. Industries was the lowest responsible bidder. Contract S35121-16TR was approved by the legislature on February 1, 2016 (B07-16). Notice to Proceed was issued effective June 13, 2016. Construction has commenced and is ongoing.		<div>Project Budget: \$1,860,444.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$1,860,444.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)	3/10/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	5/2/2014	<input checked="" type="checkbox"/>				
4	Bid Opening	4/28/2015	<input checked="" type="checkbox"/>				
5	Construction NTP	6/13/2016	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 016V	Dechlorination Vault Storm Mitigation	Bay Park Sewage Treatment Plant					
Description							
Improvements to the process mechanical and electrical equipment inside the dechlorination vault and installation of a water tight access hatch. The work includes demolition, removal and replacement of piping, valves, pumps, electric motors, VFDs; electric work, including modifications to MCCs and installation of new conduit and wiring; instrumentation and control work including providing field and panel mounted instruments and installing, programming and configuring control panels, programmable logic controllers, operator interface terminals and SCADA connections check.							
Project Status		Financial Data					
Final design is complete. Bids for Contract No. S35121-16V were opened on December 8, 2015. R.J. Industries was the lowest responsible bidder. Notice to Proceed was issued effective May 11, 2016. Contract duration is 270 calendar days. Construction has commenced and is ongoing.		<div>Project Budget: \$1,003,854.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$614,800.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$1,003,854.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	3/27/2015	<input checked="" type="checkbox"/>				
3	Detailed Design	10/22/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	12/8/2015	<input checked="" type="checkbox"/>				
5	Construction NTP	5/11/2016	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location					
35121 - 018	Plant Boundary Alternative- Stormwater	Bay Park Sewage Treatment Plant					
Description							
Install stormwater system that retains and discharges stormwater during events where plant boundary is sealed. Consider existing plant drainage system in combination with green infrastructure features and dedicated pumping systems. This project will be divided into two phases; BP STP Plant Boundary Flood Protection Phase I – Stormwater Pump Station, and BP STP Plant Boundary Flood Protection Phase II – Stormwater Green Infrastructure.							
Project Status		Financial Data					
Planning/conceptual design is complete. The County will be procuring Design Services for Phase 1 through RFP No. 35121-18C. Proposals were received on May 16, 2014. D&B was recommended to the Rules Committee September 8, 2014 and was approved; E-195. Contract was approved by the Comptroller's Office on October 14, 2014. Approved by NIFA on October 20, 2014. Gannett Flemming will providing Construction Management services through RFP 35121-18M. The bid opening for S35121-18G was on October 6, 2015. WHM Plumbing was the lowest responsible bidder. Notice to Proceed issued effective May 31, 2016. Construction for Phase 1 has commenced and is ongoing.		Project Budget: \$26,425,808.00 Reimbursements: \$836,550.00 Encumbered: \$929,500.00 Paid to Date: \$296,000.00 Remaining Funds: \$26,129,808.00 Percent Paid: 1.12%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	4/17/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$464,750.00	\$0.00	\$0.00
2	Procurement (Design Services)	11/10/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	8/28/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	10/6/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$232,375.00	\$0.00	\$0.00
5	Construction NTP	5/31/2016	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Additional 15%	\$139,425.00	\$0.00	\$0.00



Capital Project 35121

Wastewater Facilities Storm Restoration

Project No.	Project Name	Location			
35121 - XXX	Miscellaneous Work	Various Location			
Description					
This is not a project.					
Project Status				Financial Data	
This entry is for miscellaneous work paid for out of 35121.				Project Budget:	\$1,894,041.00
				Reimbursements:	\$0.00
				Encumbered:	\$1,894,040.83
				Paid to Date:	\$978,334.11
				Remaining Funds:	\$915,706.89
				Percent Paid:	51.65%
Project Schedule		Reimbursements			
		Source	Design	CM	Construction

Capital Project Number 35123

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$0.00	\$0.00	\$9,092,670.00	\$0.00	\$20,741.00	~	N/A
L32: Sludge Dewatering Facility Flood Repair and Mitigation	\$57,913,898.00	\$6,500,276.00	\$61,525,766.00	\$48,348,397.92	\$3,403,185.75	5.88%	14
L33001: Electrical Distribution Systems- Phase 1	\$39,967,934.00	\$28,141,728.00	\$316,600,322.00	\$32,313,249.00	\$25,707,843.49	64.32%	15
L33003: Electrical Distribution Systems- Phase 3	\$117,793,836.00	\$0.00	\$0.00	\$111,280,570.00	\$1,775,472.84	1.51%	16
L33004: Electrical Distribution Systems- Phase 4	\$89,600,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	17
L35: Perimeter Flood Protection (Dike)	\$68,209,626.00	\$46,645,155.00	\$76,507,463.00	\$51,969,301.00	\$41,151,364.21	60.33%	18
L36: Bay Park STP Chemical Reduction/ UV Disinfection	\$19,140,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	19
Sum:	\$392,625,294.00	\$81,287,159.00	\$463,726,221.00	\$243,911,517.92	\$72,058,607.29	18.35%	

* For 000-Admin the budget is allocated as a percent within each individual sub-project. 000-Admin reflects all administrative charges, inclusive of County Labor Charges.



Capital Project 35123

Superstorm Sandy Repair and Mitigation

Project No.	Project Name	Location					
35123 - L32	Sludge Dewatering Facility Flood Repair and Mitigation	Bay Park Sewage Treatment Plant					
Description							
Install flood wall around building and include removable bulkheads at entrances. Replace damaged sludge feed pumps, washwater pumps, polymer transfer pumps, odor control recirculation pumps and associated local control panels. Replace all damaged electrical panels and relocate electrical room to second floor above the design elevation. Replace damaged polymer feed system and relocate to second floor. Replace damaged building ventilation heat recovery system. Evaluate centrifuge versus belt filter press dewatering equipment and associated building modifications required. Project will be broken out into two phases; Phase 1- Demolition and Phase 2- Replacement Facility. This project is referenced in the EFC Intended Use Plan under project number C1-5146-32-00.							
Project Status		Financial Data					
Design for Phase 1- Demolition is complete. Bids for the construction of Phase 1-Demolition were received on May 13, 2014. Gramercy Group was the lowest responsible bidder and was approved by the Rules Committee on the July 28, 2014 meeting; Item No. B16-14. Proposals for Construction Management Services under RFP No. S35121-09M were received on April 25, 2014. Jacobs was approved by the Rules Committee on the July 28, 2014 meeting. The NTP was issued effective September 22, 2014. As of March 20, 2015 demolition is complete. The contract for design services for Phase 2- Replacement Facility was approved on the April 7, 2014 Rules Calendar. The consultant is Gannett Fleming, Contract S35121-09C. The construction contract for Phase 2 was bid on May 19, 2015. Posillico Civil, Inc. was the lowest responsible bidder. The NTP was issued effective December 7, 2015. Contract Duration is 930 Days. Construction has commenced and is ongoing.		<div><div>Project Budget:</div><div>Reimbursements:</div><div>Encumbered:</div><div>Paid to Date:</div><div>Remaining Funds:</div><div>Percent Paid:</div><div>\$57,913,898.00</div><div>\$6,500,276.00</div><div>\$48,348,397.92</div><div>\$3,403,185.75</div><div>\$54,510,712.25</div><div>5.88%</div></div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	12/31/2013	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$1,102,238.00	\$2,275,000.00	\$1,120,000.00
2	Procurement (Design Services)	7/7/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	4/3/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	5/19/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$551,119.00	\$0.00	\$560,000.00
5	Construction NTP	12/7/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Contract Amount	\$551,119.00	\$0.00	\$340,800.00



Capital Project 35123

Superstorm Sandy Repair and Mitigation

Project No.	Project Name	Location					
35123 - L33001	Electrical Distribution Systems- Phase 1	Bay Park Sewage Treatment Plant					
Description							
Secure conduit system against flooding and replace unit substations 3, 4, 5 and 6 with three new unit substations at the new design elevation of 18.1 feet. This project is referenced in the EFC Intended Use Plan under project number C1-5146-33-00.							
Project Status		Financial Data					
Bids for Contract S35121-13E were received on February 6, 2014. BSRJ a Tri Venture was selected as the lowest responsible bidder. Recommendation of award has been completed and the contract was approved on the March 24, 2014 Rules Calendar, Item No. B-3-14 . Contract was approved by NIFA, and the Notice to Proceed was issued effective May 27, 2014. Contract duration is 670 days. DeBruin Engineering was approved by the Rules Committee on May 5, 2014, Item No. E117-14, to perform CM services under RFP No. S35121-13M. Construction has commenced and is ongoing.		<div><div>Project Budget:</div><div>\$39,967,934.00</div></div> <div><div>Reimbursements:</div><div>\$28,141,728.00</div></div> <div><div>Encumbered:</div><div>\$32,313,249.00</div></div> <div><div>Paid to Date:</div><div>\$25,707,843.49</div></div> <div><div>Remaining Funds:</div><div>\$14,260,090.51</div></div> <div><div>Percent Paid:</div><div>64.32%</div></div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$0.00	\$1,424,627.00	\$14,337,350.00
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	12/11/2013	<input checked="" type="checkbox"/>				
4	Bid Opening	2/6/2014	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$0.00	\$219,173.00	\$7,168,675.00
5	Construction NTP	5/27/2014	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Additional 15%	\$0.00	\$0.00	\$4,991,903.00



Capital Project 35123

Superstorm Sandy Repair and Mitigation

Project No.	Project Name	Location					
35123 - L33003	Electrical Distribution Systems- Phase 3	Bay Park Sewage Treatment Plant					
Description							
Includes replacement of Utility Switchgear (formerly LIPA, now PSE&G), the Plant's Main Switchgear S1 that includes circuit breakers both for distributing power and for the raw sewage pumps, and Unit Substation No. 1; these will be located together with six 1 MW emergency generators at a new Main Substation (MSS). All equipment will be designed for protection against the design flood elevation of El. 18.25.							
Project Status		Financial Data					
Project planning/ conceptual design is complete. CH2MHill will be providing Construction Management services through RFP S35121-14M for Phase 2 & Phase 3.The bid opening was on April 21, 2015. The lowest responsible bidder was BSRJ A T/V. Notice to Proceed was issued effective October 5, 2015. Contract Duration is 1,095 Days. Construction has commenced and is ongoing.		<div>Project Budget: \$117,793,836.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$111,280,570.00</div> <div>Paid to Date: \$1,775,472.84</div> <div>Remaining Funds: \$116,018,363.16</div> <div>Percent Paid: 1.51%</div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	2/9/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	4/21/2015	<input checked="" type="checkbox"/>				
5	Construction NTP	10/5/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35123

Superstorm Sandy Repair and Mitigation

Project No.	Project Name	Location					
35123 - L33004	Electrical Distribution Systems- Phase 4	Bay Park Sewage Treatment Plant					
Description							
Primary Plant Electrical Power.							
Project Status		Financial Data					
Planning/conceptual design has begun. Bid Opening is scheduled for November 2017. Construction is anticipated to begin February 2018.		<div>Project Budget: \$89,600,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$89,600,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule		Reimbursements					
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35123

Superstorm Sandy Repair and Mitigation

Project No.	Project Name	Location					
35123 - L35	Perimeter Flood Protection (Dike)	Bay Park Sewage Treatment Plant					
Description							
The County is evaluating a conceptual plan and alternatives to construct a combination flood barrier around the perimeter of the Bay Park STP. Alternatives currently being evaluated include a levee, earthen berm, flood wall, or combination thereof. While much of this project involves construction within the STP boundary, ancillary improvements and appurtenances may be required adjacent to the boundary within the approximately 96-acre recreation facility managed by the Nassau County Department of Parks, Recreation, and Museums that includes land to the west, east, and south of the Bay Park STP. This project is referenced in the EFC Intended Use Plan under project number C1-5146-35-00.							
Project Status		Financial Data					
Detailed design is complete. The bid opening was on March 18, 2014; Grace Industries was the lowest responsible bidder. This contract was approved on the April 7, 2014 Rules Calendar, Item No. B-10-14. The contract was approved by NIFA, and the Notice to Proceed was issued effective May 27, 2014. Contract duration is 740 days. RFPs for CM Services were received and the firm Dvirka & Bartillucci, Contract S35121-17M was approved by the Rules Committee on April 7, 2014, Item No. E-89-14. Construction has commenced and is ongoing. Time extension was granted until November 27, 2016.		<div><div>Project Budget:</div><div>\$68,209,626.00</div></div> <div><div>Reimbursements:</div><div>\$46,645,155.00</div></div> <div><div>Encumbered:</div><div>\$51,969,301.00</div></div> <div><div>Paid to Date:</div><div>\$41,151,364.21</div></div> <div><div>Remaining Funds:</div><div>\$27,058,261.79</div></div> <div><div>Percent Paid:</div><div>60.33%</div></div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$0.00	\$733,244.00	\$18,613,100.00
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	12/17/2013	<input checked="" type="checkbox"/>				
4	Bid Opening	3/18/2014	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$0.00	\$112,807.00	\$9,306,550.00
5	Construction NTP	5/27/2014	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Additional 75% of CO	\$0.00	\$0.00	\$5,892,358.00
				NYS DHSES- Additional 15%	\$0.00	\$169,210.00	\$7,786,861.00



Capital Project 35123

Superstorm Sandy Repair and Mitigation

Project No.	Project Name	Location					
35123 - L36	Bay Park STP Chemical Reduction/ UV Disinfection	Bay Park STP					
Description							
A new OSHG system is proposed to meet the majority of the disinfection demand for hypo at the Bay Park STP and reduce the reliance on bulk tanker truck deliveries for supply. Advantages to onsite generation over bulk deliveries include lower operating costs, fewer chemical truck deliveries, and reduced risk of spills and chemical exposure to personnel due to the reduced chemical delivery frequency. Additionally onsite hypo generation can operate and produce hypo during catastrophic events like Hurricane Sandy when tanker trucks could not make deliveries due to flooding and fuel availability.							
Project Status		Financial Data					
Project is currently in detailed design. The design contract with Camp Dresser & Mckee will be reported under 35114-009. The Department is currently reviewing the 75% complete design documents. The County has evaluated whether to proceed with Onsite Hypochlorite or UV Disinfection. Based on the Engineer's recommendation the County will be proceeding with UV Disinfection. Bid opening is scheduled for November 2017.		<div>Project Budget: \$19,140,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$19,140,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/4/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	2/5/2015	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

Capital Project Number 3P311

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$500,000.00	\$0.00	\$76,000,000.00	\$0.00	\$169,692.32	~	N/A
001: Dock Place & Southland Drive	\$1,966,495.00	\$1,189,089.00	\$0.00	\$1,022,789.00	\$999,510.92	50.83%	21
002: Cedar Dr, Roosevelt, Whitewood, Biltmore & Alhambra	\$8,524,406.00	\$519,220.00	\$0.00	\$7,640,905.90	\$227,703.59	2.67%	22
003: Wantagh Pkwy, Newbridge Rd, Merrick Rd & Ray St	\$9,217,355.00	\$422,500.00	\$0.00	\$8,070,200.00	\$164,182.50	1.78%	23
004: Felix Ct, Fox Rd, Northern Blvd & Grand Ave	\$6,280,104.00	\$943,040.00	\$0.00	\$5,683,104.00	\$194,454.00	3.10%	24
005: Millar St, Mott St, Long Beach Rd, Royal Ave & Lido Blvd	\$7,804,000.00	\$559,000.00	\$0.00	\$6,859,000.00	\$193,500.00	2.48%	25
006: Ocean Ave, Mill Rd, Woodmere Blvd, Longacre Ave & Doxey Bk	\$8,869,812.00	\$390,000.00	\$0.00	\$8,305,756.00	\$180,000.00	2.03%	26
007: East Ave, Inwood, Doughty Blvd, Bayview Ave & Roslyn Rd	\$7,189,775.00	\$262,440.00	\$0.00	\$454,896.00	\$180,697.60	2.51%	27
008: East Avenue Pump Station Reconstruction	\$3,776,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	28
009: Barnes Avenue SSO/ Village of Hempstead Flow Diversion	\$28,580,000.00	\$3,384,900.00	\$0.00	\$26,851,900.00	\$943,678.43	3.30%	29
010: Lawrence (STP) & Sage Lake Pump Stations	\$6,597,466.00	\$144,026.00	\$0.00	\$374,466.00	\$51,849.18	0.79%	30
011: Roslyn Village, Morgan Park, Shore Road	\$3,812,900.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	31
XXX: Miscellaneous Work	\$4,900,000.00	\$0.00	\$0.00	\$4,900,000.00	\$2,462,189.48	50.25%	32
Sum:	\$98,018,313.00	\$7,814,215.00	\$76,000,000.00	\$70,163,016.90	\$5,767,458.02	5.88%	

* For 000-Admin the budget is allocated as a percent within each individual sub-project. 000-Admin reflects all administrative charges, inclusive of County Labor Charges.



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 001	Dock Place & Southland Drive	Glen Cove					
Description							
Provide dry pit submersible sewage pumps. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight manhole covers and hatches.This project is referenced in the EFC Intended Use Plan under project number C1-5146-36-00.							
Project Status		Financial Data					
The Dock Place & Southland Drive Pump Station Reconstruction Project was bid on August 20th, 2013. Contract S3P311-01G was awarded to R.J. Industries, Inc. on October 17th, 2013. The Notice to Proceed was issued on October 28, 2013. Contract S3P311-01G has a contract duration of 8 months. Time extension was granted until July 31, 2016.		<div>Project Budget: \$1,966,495.00</div> <div>Reimbursements: \$1,189,089.00</div> <div>Encumbered: \$1,022,789.00</div> <div>Paid to Date: \$999,510.92</div> <div>Remaining Funds: \$966,984.08</div> <div>Percent Paid: 50.83%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$0.00	\$0.00	\$446,100.00
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	7/19/2013	<input checked="" type="checkbox"/>				
4	Bid Opening	8/20/2013	<input checked="" type="checkbox"/>	NYS DHSES- 50% Disbursement Request	\$0.00	\$0.00	\$446,100.00
5	Construction NTP	10/28/2013	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Disbursement Request	\$0.00	\$0.00	\$296,889.00



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 002	Cedar Dr, Roosevelt, Whitewood, Biltmore & Alhambra	Massapequa					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements. This project is referenced in the EFC Intended Use Plan under project number C1-5146-36-00.							
Project Status		Financial Data					
Proposals for Design Services were received on February 28, 2014. LKB Engineers was approved by the Rules Committee on the June 30, 2014 meeting. Detailed design is complete. The Bid Opening was on May 12, 2015. Philip Ross was the lowest responsible bidder. Construction NTP was issued effective March 3, 2016. Contract duration is 548 calendar days. Construction has commenced and is ongoing.		<div>Project Budget: \$8,524,406.00</div> <div>Reimbursements: \$519,220.00</div> <div>Encumbered: \$7,640,905.90</div> <div>Paid to Date: \$227,703.59</div> <div>Remaining Funds: \$8,296,702.41</div> <div>Percent Paid: 2.67%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	1/28/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$259,610.00	\$0.00	\$0.00
2	Procurement (Design Services)	9/23/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	3/26/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	5/12/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$129,805.00	\$0.00	\$0.00
5	Construction NTP	3/3/2016	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Contract Amount	\$129,805.00	\$0.00	\$0.00



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 003	Wantagh Pkwy, Newbridge Rd, Merrick Rd & Ray St	Wantagh, Bellmore, Merrick & Freeport					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements. This project is referenced in the EFC Intended Use Plan under project number C1-5146-36-00.							
Project Status		Financial Data					
Proposals for Design Services were received on February 28, 2014. D&B was approved by the Rules Committee on the June 30, 2014 meeting; E-150-14. Detailed design is complete and the Bid Opening was on June 2, 2015. R.J. Industries was the lowest responsible bidder. Construction NTP was issued effective March 3, 2016. Contract duration is 540 calendar days. Construction commenced and is ongoing.		<div>Project Budget: \$9,217,355.00</div> <div>Reimbursements: \$422,500.00</div> <div>Encumbered: \$8,070,200.00</div> <div>Paid to Date: \$164,182.50</div> <div>Remaining Funds: \$9,053,172.50</div> <div>Percent Paid: 1.78%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	1/28/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$211,250.00	\$0.00	\$0.00
2	Procurement (Design Services)	9/23/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	4/13/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	6/2/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$105,625.00	\$0.00	\$0.00
5	Construction NTP	3/3/2016	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Contract Amount	\$105,625.00	\$0.00	\$0.00



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 004	Felix Ct, Fox Rd, Northern Blvd & Grand Ave	Baldwin					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements. This project is referenced in the EFC Intended Use Plan under project number C1-5146-36-00.							
Project Status		Financial Data					
Planning/conceptual design is complete. The County procured Design Services through RFP S3P311-04C. Proposals were received on March 28, 2014. Greeley and Hansen was approved by the Rules Committee on the July 28, 2014 meeting, E189-14. Detailed design is complete and the Bid Opening was April 21, 2015. The lowest bidder was Philip Ross. Contract duration is 420 calendar days. As of November 15, 2015, construction has commenced and is ongoing.		<div>Project Budget: \$6,280,104.00</div> <div>Reimbursements: \$943,040.00</div> <div>Encumbered: \$5,683,104.00</div> <div>Paid to Date: \$194,454.00</div> <div>Remaining Funds: \$6,085,650.00</div> <div>Percent Paid: 3.10%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/27/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$234,000.00	\$475,040.00	\$0.00
2	Procurement (Design Services)	9/17/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	3/13/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	4/21/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$117,000.00	\$0.00	\$0.00
5	Construction NTP	11/15/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Contract Amount	\$117,000.00	\$0.00	\$0.00



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 005	Millar St, Mott St, Long Beach Rd, Royal Ave & Lido Blvd	Oceanside & Lido Beach					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements. This project is referenced in the EFC Intended Use Plan under project number C1-5146-36-00.							
Project Status		Financial Data					
Planning/conceptual design was completed on March 27, 2014. The County procured Design Services through RFP S3P311-05C. Proposals were received on April 25, 2014. D&B Engineers was approved by the Rules Committee on September 8, 2014; E-203-14. Contract was approved by the Comptroller's Office on October 14, 2014. Approved by NIFA on October 20, 2014. Detailed design is complete. Bid opening was on June 23, 2015. Philip Ross was the lowest responsible bidder. Contract has a duration of 540 calendar days. As of November 15, 2015, construction has commenced and is ongoing.		<div>Project Budget: \$7,804,000.00</div> <div>Reimbursements: \$559,000.00</div> <div>Encumbered: \$6,859,000.00</div> <div>Paid to Date: \$193,500.00</div> <div>Remaining Funds: \$7,610,500.00</div> <div>Percent Paid: 2.48%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	3/27/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$279,500.00	\$0.00	\$0.00
2	Procurement (Design Services)	12/1/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	5/1/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	6/23/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$139,750.00	\$139,750.00	\$0.00
5	Construction NTP	11/15/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Contract Amount	\$0.00	\$0.00	\$0.00



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 006	Ocean Ave, Mill Rd, Woodmere Blvd, Longacre Ave & Doxey Bk	N. Woodmere, Valley Stream, Hewlett Neck & Woodmere					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements. This project is referenced in the EFC Intended Use Plan under project number C1-5146-36-00.							
Project Status		Financial Data					
Planning/conceptual design was completed on April 25, 2014. The County procured Design Services through RFP No. S3P311-06C. Proposals were received on May 30, 2014. D&B Engineering was approved by the Rules Committee on the December 1, 2014 meeting and was approved by NIFA on January 23, 2015. D&B will also be providing Construction Management services for 3P311-006 & 3P311-007. Bid opening for S35121-06G was on October 27, 2015. Philip Ross was the lowest bidder. Contract duration is 540 calendar days. Construction is anticipated to begin June 30, 2016.		<div>Project Budget: \$8,869,812.00</div> <div>Reimbursements: \$390,000.00</div> <div>Encumbered: \$8,305,756.00</div> <div>Paid to Date: \$180,000.00</div> <div>Remaining Funds: \$8,689,812.00</div> <div>Percent Paid: 2.03%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	4/25/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$260,000.00	\$0.00	\$0.00
2	Procurement (Design Services)	4/15/2015	<input checked="" type="checkbox"/>				
3	Detailed Design	9/17/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$130,000.00	\$0.00	\$0.00
4	Bid Opening	10/27/2015	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 007	East Ave, Inwood, Doughty Blvd, Bayview Ave & Roslyn Rd	Inwood					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements. This project is referenced in the EFC Intended Use Plan under project number C1-5146-36-00.							
Project Status		Financial Data					
Planning/conceptual design is complete. Gannett Fleming will be performing Design Services through RFP No. S3P311-07C. D&B will also be providing Construction Management services for 3P311-006 & 3P311-007. Bid opening for S3P311-07G was on December 22, 2015. Construction is anticipated to begin June 30, 2016.		<div>Project Budget: \$7,189,775.00</div> <div>Reimbursements: \$262,440.00</div> <div>Encumbered: \$454,896.00</div> <div>Paid to Date: \$180,697.60</div> <div>Remaining Funds: \$7,009,077.40</div> <div>Percent Paid: 2.51%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	5/28/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$174,960.00	\$0.00	\$0.00
2	Procurement (Design Services)	5/13/2015	<input checked="" type="checkbox"/>				
3	Detailed Design	11/16/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$87,480.00	\$0.00	\$0.00
4	Bid Opening	12/22/2015	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 008	East Avenue Pump Station Reconstruction						
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning and conceptual design is currently underway. Construction is anticipated to begin May 2017.		<div>Project Budget: \$3,776,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$3,776,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 009	Barnes Avenue SSO/ Village of Hempstead Flow Diversion	Baldwin					
Description							
Project includes the advancement of dual alternatives that serve to: 1) reduce the volume of flow currently introduced into County sanitary sewer interceptor 2T-4 serving the Village of Hempstead; and, 2) increasing the capacity of County sanitary sewer interceptor in the vicinity of the Parsonage Creek Siphon (Baldwin, NY). The diversion would require the upgrade of an existing Village pump station, the construction of a new pump station (replacing an existing pump station), and associated force mains to serve the pump stations. Project includes investigation, planning, design and construction of a parallel gravity interceptor sewer and/or pump station and associated force main to supplement gravity wastewater flow (during peak flow periods) within the existing sanitary sewer interceptor. This project is referenced in the EFC Intended Use Plan under project number C1-5146-48-00.							
Project Status		Financial Data					
Evaluation of RFP S3P311-09C proposals are complete. The County has entered into a Personal Service Agreement with Cameron Engineering for design services. Agreement was approved on the April 7, 2014 Rules Calendar and was approved by NIFA on May 29, 2014. The County is seeking Construction Management services through RFP No. S3P311-09M. Proposals were received on November 14, 2014. Bid opening was on August 18, 2015. The lowest bidder was Stratis Contracting. S3P311-09G was approved by the Legislature on October 20, 2015. Contract will be on the February 4, 2016 NIFA calendar. The Notice to Proceed was issued effective April 25, 2016. Construction has commenced and is ongoing.		Project Budget: \$28,580,000.00 Reimbursements: \$3,384,900.00 Encumbered: \$26,851,900.00 Paid to Date: \$943,678.43 Remaining Funds: \$27,636,321.57 Percent Paid: 3.30%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	12/20/2013	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$1,298,700.00	\$787,500.00	\$0.00
2	Procurement (Design Services)	5/29/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	6/24/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	8/18/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$649,350.00	\$0.00	\$0.00
5	Construction NTP	4/25/2016	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>	NYS DHSES- Remaining Contract Amount	\$649,350.00	\$0.00	\$0.00



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 010	Lawrence (STP) & Sage Lake Pump Stations	Lawrence					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/conceptual design is complete. An RFP for design services was released on September 12, 2014. Proposals were received on October 10, 2014. The County has selected Greenley & Hansen Engineering to perform design services. The bid opening took place on May 17, 2016. Philip Ross was the lowest responsible bidder. Construction is anticipated to begin August 2016.		<div>Project Budget: \$6,597,466.00</div> <div>Reimbursements: \$144,026.00</div> <div>Encumbered: \$374,466.00</div> <div>Paid to Date: \$51,849.18</div> <div>Remaining Funds: \$6,545,616.82</div> <div>Percent Paid: 0.79%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	9/12/2014	<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$144,026.00	\$0.00	\$0.00
2	Procurement (Design Services)	9/15/2015	<input checked="" type="checkbox"/>				
3	Detailed Design	3/8/2016	<input checked="" type="checkbox"/>				
4	Bid Opening	5/17/2016	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - 011	Roslyn Village, Morgan Park, Shore Road						
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning and conceptual design is underway. Construction is anticipated to commence June 2017.		<div>Project Budget: \$3,812,900.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$3,812,900.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P311 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P311 - XXX	Miscellaneous Work	Various Locations					
Description							
This is not a project							
Project Status		Financial Data					
This entry is for miscellaneous work paid for out of 3P311.		Project Budget: \$4,900,000.00 Reimbursements: \$0.00 Encumbered: \$4,900,000.00 Paid to Date: \$2,462,189.48 Remaining Funds: \$2,437,810.52 Percent Paid: 50.25%					
Project Schedule		Reimbursements					
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1			<input type="checkbox"/>				

Capital Project Number 3P312

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$0.00	\$0.00	\$1,000,000.00	\$0.00	\$6,474.00	~	N/A
001: Repairs to Various Pump Stations	\$2,088,499.00	\$0.00	\$0.00	\$162,500.00	\$0.00	0.00%	34
002: Central, Dana & Long Meadow Pump Station - Glen Cove	\$8,164,726.00	\$0.00	\$0.00	\$564,200.00	\$0.00	0.00%	35
003: Roslyn Village Pump Replacement - Cedar Creek	\$930,637.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	36
004: Harwood & Southridge Pump Station- Glen Cove	\$5,957,443.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	37
005: Knott, Morgan & Viola Pump Station- Glen Cove	\$6,459,028.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	38
006: Franklin, Shore & Titus Pump Station- Glen Cove	\$3,407,155.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	39
007: Glengarraf & Woodland Pump Station- Glen Cove	\$3,994,444.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	40
008: Pelican Pond & Cold Spring Pump Station - Cedar Creek	\$8,624,570.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	41
009: Bernice Roslyn Village & Mallard Pump Station- Cedar Creek	\$30,536,493.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	42
010: Cedarhurst, Causeway & Falmouth Pump Station - Bay Park	\$12,746,038.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	43
011: Boden & East Williston Pump Station- Bay Park	\$11,960,695.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	44
012: Pump Stations SCADA Upgrades	\$10,607,311.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	45
Sum:	\$105,477,039.00	\$0.00	\$1,000,000.00	\$726,700.00	\$6,474.00	0.01%	

*000-Admin reflects all administrative charges, inclusive of County Labor Charges and other miscellaneous legacy items.



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 001	Repairs to Various Pump Stations						
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Project will be designed by Dvirka & Bartillucci through RFP S3P312-01C. Construction is anticipated to begin in April 2017.		<div>Project Budget: \$2,088,499.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$162,500.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$2,088,499.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	9/23/2014	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	4/18/2016	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 002	Central, Dana & Long Meadow Pump Station - Glen Cove	Glen Cove					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Project will be designed by H2M Architects and Engineers through RFP S3P312-02C. Construction is anticipated to begin in August 2016.		<div>Project Budget: \$8,164,726.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$564,200.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$8,164,726.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	9/23/2014	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	11/24/2015	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 003	Roslyn Village Pump Replacement - Cedar Creek	Cedar Creek STP					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Project was designed by Cameron Engineers. Bid Opening was on June 23, 2015. Bensin Contracting was the lowest bidder. Project requires Bond Ordinance authorization from pending 2016 Capital Plan to proceed.		Project Budget: \$930,637.00 Reimbursements: \$0.00 Encumbered: \$0.00 Paid to Date: \$0.00 Remaining Funds: \$930,637.00 Percent Paid: 0.00%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	9/5/2014	<input checked="" type="checkbox"/>				
3	Detailed Design	6/19/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	6/23/2015	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 004	Harwood & Southridge Pump Station- Glen Cove	Glen Cove					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. The County procured H2M to provide design services through RFP S35121-04C. Construction is anticipated to begin in July 2017. Project requires Bond Ordinance authorization from pending 2016 Capital Plan to proceed.		Project Budget: \$5,957,443.00 Reimbursements: \$0.00 Encumbered: \$0.00 Paid to Date: \$0.00 Remaining Funds: \$5,957,443.00 Percent Paid: 0.00%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 005	Knott, Morgan & Viola Pump Station- Glen Cove	Glen Cove					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. Construction is anticipated to begin in July 2018.		<div>Project Budget: \$6,459,028.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$6,459,028.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 006	Franklin, Shore & Titus Pump Station- Glen Cove	Glen Cove					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. Construction is anticipated to begin in July 2019.		<div>Project Budget: \$3,407,155.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$3,407,155.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 007	Glengarrif & Woodland Pump Station- Glen Cove	Glen Cove					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. Construction is anticipated to begin in July 2020.		<div>Project Budget: \$3,994,444.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$3,994,444.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 008	Pelican Pond & Cold Spring Pump Station - Cedar Creek	Cedar Creek STP					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. Construction is anticipated to begin in July 2020.		<div>Project Budget: \$8,624,570.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$8,624,570.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 009	Bernice Roslyn Village & Mallard Pump Station- Cedar Creek	Cedar Creek STP					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. Construction is anticipated to begin in July 2021.		<div>Project Budget: \$30,536,493.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$30,536,493.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 010	Cedarhurst, Causeway & Falmouth Pump Station - Bay Park	Bay Park STP					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. Construction is anticipated to begin in July 2021.		<div>Project Budget: \$12,746,038.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$12,746,038.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 011	Boden & East Williston Pump Station- Bay Park	Bay Park STP					
Description							
Provide dry pit submersible sewage pumps and sewage grinders. Replace damaged HVAC, electrical, structural and architectural components of the stations. Raise electrical and control panel equipment to the extent possible. Provide quick-connects for portable generators. Add watertight entry doors and raise or protect louvers. Complete work for building code and OSHA compliance, such as gas and fire detection, ventilation, protective railings and grates, and segregating equipment or areas to comply with hazard/explosion classification requirements.							
Project Status		Financial Data					
Planning/ conceptual design is underway. Construction is anticipated to begin in July 2021.		<div>Project Budget: \$11,960,695.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$11,960,695.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3P312 Pump Station Rehabilitation

Project No.	Project Name	Location					
3P312 - 012	Pump Stations SCADA Upgrades	Multiple Locations					
Description							
This project includes supervisory control and data acquisition (SCADA) improvements to the Department’s environmental facilities. With varying degrees of automation at the Department’s fifty-seven (57) sewage pumping stations and seven (7) storm water pumping stations, the Department is seeking to standardize the automation systems and provide overall supervisory control of these facilities.							
Project Status		Financial Data					
CDM Smith will be providing the County with design services. Detailed design is complete. LKB was selected to perform construction management services through RFP S3P312-12M. Bid Opening was on December 1,2015. Hinck was the lowest bidder. Contract was approved by the Legislature on February 2, 2016 (Item B6-16). Project requires Bond Ordinance authorization from pending 2016 Capital Plan to proceed.		<div><div>Project Budget:</div><div>\$10,607,311.00</div></div> <div><div>Reimbursements:</div><div>\$0.00</div></div> <div><div>Encumbered:</div><div>\$0.00</div></div> <div><div>Paid to Date:</div><div>\$0.00</div></div> <div><div>Remaining Funds:</div><div>\$10,607,311.00</div></div> <div><div>Percent Paid:</div><div>0.00%</div></div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	10/14/2015	<input checked="" type="checkbox"/>				
3	Detailed Design	7/7/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	12/1/2015	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

Capital Project Number 35116
Financial Summary Report
June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
001: Odor Control Improvements- Bay Park STP & Cedar Creek STP	\$30,300,000.00	\$0.00	\$30,000,000.00	\$29,013,794.69	\$27,270,233.01	90.00%	47
Sum:	\$30,300,000.00	\$0.00	\$30,000,000.00	\$29,013,794.69	\$27,270,233.01	90.00%	



Capital Project 35116

Wastewater Odor Control Improvements

Project No.	Project Name	Location					
35116 - 001	Odor Control Improvements- Bay Park STP & Cedar Creek STP	Bay Park & Cedar Creek Sewage Treatment Plant					
Description							
Installation of Odor Control Biofilter System for the Bay Park STP Aeration Tanks, and one complete Odor Control Biofilter System for the Cedar Creek WPCP Aeration Tanks. In addition, the Bay Park STP will also include four (4) Carbon Adsorbers as a polishing system to the existing primary tank odor control wet scrubber system.							
Project Status		Financial Data					
Contract S35116-01G was bid on August 20, 2013 and was awarded to R.J. Industries, Inc. on September 24, 2013. The Notice to Proceed was issued on October 23, 2013. Construction has commenced and is ongoing. Contract S35116-01G has a contract duration of 26 months. Project close out is complete.		<div>Project Budget: \$30,300,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$29,013,794.69</div> <div>Paid to Date: \$27,270,233.01</div> <div>Remaining Funds: \$3,029,766.99</div> <div>Percent Paid: 90.00%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design		<input checked="" type="checkbox"/>				
4	Bid Opening	8/20/2013	<input checked="" type="checkbox"/>				
5	Construction NTP	10/23/2013	<input checked="" type="checkbox"/>				
6	Construction Complete	4/30/2016	<input checked="" type="checkbox"/>				

Capital Project Number 3B120

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$0.00	\$0.00	\$45,060,411.00	\$1,000.00	\$259,303.42	~	N/A
001: Influent Screening Facility Improvements	\$16,600,000.00	\$0.00	\$0.00	\$14,746,415.00	\$6,202,321.32	37.36%	49
002: Grit Removal Facility Improvements	\$22,700,000.00	\$0.00	\$0.00	\$20,196,707.00	\$6,153,543.02	27.11%	50
Sum:	\$39,300,000.00	\$0.00	\$45,060,411.00	\$34,944,122.00	\$12,615,167.76	32.10%	

*000-Admin reflects all administrative charges, inclusive of County Labor Charges and other miscellaneous legacy items.



Capital Project 3B120

Bay Park Preliminary Treatment Modifications

Project No.	Project Name	Location					
3B120 - 001	Influent Screening Facility Improvements	Bay Park Sewage Treatment Plant					
Description							
Contract consists of the removal of four (4) mechanical bar screens and associated equipment, and installation of four (4) new mechanical bar screens, two odor control scrubber systems with chemical storage tanks, traveling bridge crane conveyance system, sluice gate improvements, roofing system replacement, and all appurtenances associated with the bar screens including fans, ductwork, air handling units, hot water unit heaters, hot water piping, electrical, and instrumentation and controls associated with such work.							
Project Status		Financial Data					
Contract S3B120-01G was bid on November 26, 2013. Picone was the lowest responsible bidder. This contract was approved by Rules Committee on March 10, 2014, Item No. B06-2014. The Contract was approved by NIFA, and the Notice to Proceed was issued effective May 27, 2014. This contract has a duration of 30 months. Proposals were requested for CM services and the firm Gannett Fleming Engineers, P.C., Contract S3B120-01M was approved. Construction has commenced and is ongoing.		Project Budget: \$16,600,000.00 Reimbursements: \$0.00 Encumbered: \$14,746,415.00 Paid to Date: \$6,202,321.32 Remaining Funds: \$10,397,678.68 Percent Paid: 37.36%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design		<input checked="" type="checkbox"/>				
4	Bid Opening	11/26/2013	<input checked="" type="checkbox"/>				
5	Construction NTP	5/27/2014	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3B120

Bay Park Preliminary Treatment Modifications

Project No.	Project Name	Location					
3B120 - 002	Grit Removal Facility Improvements	Bay Park Sewage Treatment Plant					
Description							
Demolition of three (3) grit tanks, mechanisms, dragout channels equipment, grit collectors and conveyors and associated equipment; demolition of two venture influent flowmeters and associated equipment; and installation of three (3) vortex grit removal tanks including grit removal cyclones and classifiers, new odor control scrubber system as well as HVAC improvements, electrical and building architectural rehabilitation including new roof.							
Project Status		Financial Data					
Detailed design was completed on February 12, 2014. The bid opening was on April 1, 2014. R.J./ Scalamandre Joint Venture was the lowest responsible bidder and a recommendation of award was issued. Contract was approved on June 30, 2014 by the Rules Committee; Item No. B14-14. Cameron Engineering will be providing CM Services through RFP No. S3B120-02M. Certified contract received June 9, 2014. Construction has commenced and is ongoing.		Project Budget: \$22,700,000.00 Reimbursements: \$0.00 Encumbered: \$20,196,707.00 Paid to Date: \$6,153,543.02 Remaining Funds: \$16,546,456.98 Percent Paid: 27.11%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	10/20/2010	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	12/28/2010	<input checked="" type="checkbox"/>				
3	Detailed Design	2/12/2014	<input checked="" type="checkbox"/>				
4	Bid Opening	4/1/2014	<input checked="" type="checkbox"/>				
5	Construction NTP	4/20/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

Capital Project Number 35114

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$0.00	\$0.00	\$73,955,000.00	\$8,885,180.78	\$4,495,299.22	~	N/A
001: Interim Sludge Thickening Facility Improvements - Bay Park STP	\$4,700,000.00	\$0.00	\$0.00	\$4,582,130.75	\$4,540,988.62	96.62%	52
002: Primary Settling Tank- Bay Park STP	\$13,729,090.00	\$0.00	\$0.00	\$11,150,985.50	\$11,117,864.62	80.98%	53
003: Sludge Thickening Facility Improvements- Bay Park STP	\$17,308,650.00	\$0.00	\$0.00	\$14,919,582.00	\$12,372,428.81	71.48%	54
004: Primary and Secondary Clarifiers- Glen Cove STP	\$7,674,630.00	\$0.00	\$0.00	\$6,783,705.00	\$227,800.00	2.97%	55
005: Electrical Service Relocation- Glen Cove STP	\$1,032,070.00	\$0.00	\$0.00	\$1,032,069.28	\$1,031,188.69	99.91%	56
006: Sludge Dewatering Facility- Glen Cove STP	\$4,225,000.00	\$0.00	\$0.00	\$325,000.00	\$40,000.00	0.95%	57
007: Process Blower & PBS Tank Replacement- Glen Cove STP	\$1,600,000.00	\$0.00	\$0.00	\$1,414,611.36	\$1,204,406.50	75.28%	58
008: Aeration Tank Baffle Wall Replacement-Glen Cove STP	\$675,000.00	\$0.00	\$0.00	\$593,880.01	\$189,784.00	28.12%	59
009: Efficiency Capital Improvements- Design	\$4,500,000.00	\$0.00	\$0.00	\$4,013,500.00	\$1,146,544.04	25.48%	60
010: Cedar Creek Onsite Sodium Hypochlorite Generation Facility	\$16,790,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	61
011: Energy Reduction- Organic Rankin Cycle at Bay Park STP	\$7,447,681.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	62
012: Marine Blukhead Repair at Glen Cove STP	\$1,000,000.00	\$0.00	\$0.00	\$117,520.00	\$0.00	0.00%	63
Sum:	\$80,682,121.00	\$0.00	\$73,955,000.00	\$53,818,164.68	\$36,366,304.50	45.07%	

*000-Admin reflects all administrative charges, inclusive of County Labor Charges and other miscellaneous legacy items.



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 001	Interim Sludge Thickening Facility Improvements - Bay Park STP	Bay Park Sewage Treatment Plant					
Description							
This project consists of the installation/construction of four (4) 3-meter gravity belt thickener systems; four (4) polymer feed pumps, controls and piping; four (4) washwater booster pumps, controls and piping; four (4) thickened sludge pumps, controls and piping; architectural/structural modifications; and all other work necessary for a complete and operable gravity belt thickener system as well as associated the electrical work.							
Project Status		Financial Data					
Project is complete.		<div>Project Budget: \$4,700,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$4,582,130.75</div> <div>Paid to Date: \$4,540,988.62</div> <div>Remaining Funds: \$159,011.38</div> <div>Percent Paid: 96.62%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	1/31/2011	<input checked="" type="checkbox"/>				
4	Bid Opening	3/1/2011	<input checked="" type="checkbox"/>				
5	Construction NTP	10/24/2011	<input checked="" type="checkbox"/>				
6	Construction Complete	7/19/2014	<input checked="" type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 002	Primary Settling Tank- Bay Park STP	Bay Park Sewage Treatment Plant					
Description							
This project consists of 1)Demolition, removal and replacement of the existing sludge and grit collection system in all eight (8) primary settling tanks including chains and flights, drives, guide rails, sprockets, etc., 2) Demolition and removal of the existing scum collection system in all primary settling tanks including slotted pipe, bearing assemblies, brackets, actuators, drive motors, etc., 3) Removal and replacement of all power and control cables for the existing sludge and grit and scum collection systems in all primary settling tanks, and 4) Installation of Instrumentation and Control, associated with the above mentioned work.							
Project Status		Financial Data					
This project is complete.		<div>Project Budget: \$13,729,090.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$11,150,985.50</div> <div>Paid to Date: \$11,117,864.62</div> <div>Remaining Funds: \$2,611,225.38</div> <div>Percent Paid: 80.98%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design		<input checked="" type="checkbox"/>				
4	Bid Opening	3/4/2011	<input checked="" type="checkbox"/>				
5	Construction NTP	8/1/2011	<input checked="" type="checkbox"/>				
6	Construction Complete	1/15/2015	<input checked="" type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 003	Sludge Thickening Facility Improvements- Bay Park STP	Bay Park Sewage Treatment Plant					
Description							
Installation of a storage and polymer feeding system including FRP tanks, mixing pumps, polymer blending units and auxiliary systems to service four (4) new Gravity Belt Thickeners currently placed in operation under a previous contract. Also included will be new carbon adsorber odor control system, five (5) waste Activated Sludge pumps with VFD drives, five (5) screened effluent water pumps associated with the effluent service water system, architectural improvements to the Building including retrofitting existing DAF tanks to accommodate new electrical, HVAC, Control and Odor Control rooms, replacement of roof, and Electrical and Instrumentation and Control associated with this system, etc., as describe in the contract documents.							
Project Status		Financial Data					
Contract S35114-03G was bid on August 20, 2013 and was awarded to Mace Contracting Corporation on September 24, 2013. The Notice to Proceed was issued on October 24, 2013. Construction has commenced and is ongoing. Contract S35114-03G has a contract duration of 24 months. LKB will be providing CM Services through RFP No. S35114-03M. Construction contract was extended to October 28, 2016.		Project Budget: \$17,308,650.00 Reimbursements: \$0.00 Encumbered: \$14,919,582.00 Paid to Date: \$12,372,428.81 Remaining Funds: \$4,936,221.19 Percent Paid: 71.48%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design		<input checked="" type="checkbox"/>				
4	Bid Opening	8/20/2013	<input checked="" type="checkbox"/>				
5	Construction NTP	10/24/2013	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 004	Primary and Secondary Clarifiers- Glen Cove STP	Glen Cove Sewage Treatment Plant					
Description							
This project is for improvements to the existing primary settling tanks and final settling tanks; it will include replacement and upgrades to the tank internals, drive mechanisms, controls, instrumentation, valves, etc.							
Project Status		Financial Data					
Planning/conceptual design is complete. Through RFP S35114-04 the County has entered into a Personal Service Agreement with Holzmacher, McLendon & Murrell, P.C. for design services. The County will be procuring Construction Management Services through RFP S35114-04M. The TRC has reviewed the CM proposals and Haks was selected. Contract is currently pending approval. Bid Opening was on April 14, 2015. WHM Plumbing was the lowest responsible bidder. Contract duration is 548 calendar days. Notice to Proceed was issued effective May 4, 2016. Construction has commenced and is ongoing.		<div>Project Budget: \$7,674,630.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$6,783,705.00</div> <div>Paid to Date: \$227,800.00</div> <div>Remaining Funds: \$7,446,830.00</div> <div>Percent Paid: 2.97%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	2/26/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	4/14/2015	<input checked="" type="checkbox"/>				
5	Construction NTP	5/4/2016	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 005	Electrical Service Relocation- Glen Cove STP	Glen Cove Sewage Treatment Plant					
Description							
This project is to provide for the replacement of the electric service for the Plant. The electric service from LIPA is fed through the abandoned City of Glen Cove incinerator. The electrical equipment (switchgear, transformer, etc.) is outdated and the building is in a dangerous condition. Along with the understanding that the City of Glen Cove wishes to demolish the Incinerator Building, we are concerned with the age and condition of the existing electrical service.							
Project Status		Financial Data					
Project Complete.		<div>Project Budget: \$1,032,070.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$1,032,069.28</div> <div>Paid to Date: \$1,031,188.69</div> <div>Remaining Funds: \$881.31</div> <div>Percent Paid: 99.91%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	1/13/2012	<input checked="" type="checkbox"/>				
4	Bid Opening	2/21/2012	<input checked="" type="checkbox"/>				
5	Construction NTP	8/1/2013	<input checked="" type="checkbox"/>				
6	Construction Complete	8/30/2015	<input checked="" type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 006	Sludge Dewatering Facility- Glen Cove STP	Glen Cove Sewage Treatment Plant					
Description							
This project is for improvements to the sludge dewatering facility, including: Rehabilitation/reconstruction of the former Dissolved Air Flotation (DAF) building to house two (2) new belt filter presses; provide three (3) new sludge feed pumps (existing pumps are plunger type); provide new piping, valves, etc. for feeding sludge to the new belt filter presses; provide new dewatered sludge cake conveyor and truck loading system; provide for improvements to the truck loading area, including a new over-head cover; HVAC, electrical, plumbing, etc. improvements to support the conversion of the former DAF building to house the new belt filter presses.							
Project Status		Financial Data					
The County will be procuring design services through RFP No. S35114-06C. Proposals were received on May 30, 2014. H2M was approved by the Rules Committee December 1, 2014. H2M was approved by NIFA January 20, 2015. Construction is anticipated to begin March 2017.		<div>Project Budget: \$4,225,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$325,000.00</div> <div>Paid to Date: \$40,000.00</div> <div>Remaining Funds: \$4,185,000.00</div> <div>Percent Paid: 0.95%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	12/2/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	1/6/2016	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 007	Process Blower & PBS Tank Replacement- Glen Cove STP	Glen Cove Sewage Treatment Plant					
Description							
This project is for the replacement of the existing underground diesel storage tank with a new above ground tank and to provide a new aeration process air compressor; this work is needed to comply with current regulations and laws regarding petroleum bulk storage tanks and for the replacement of equipment (process air blower) which is outdated and inefficient.							
Project Status		Financial Data					
Contract no. S35114-07G was bid on August 28,2012. R.J. Industries was the lowest responsible bidder. Notice to Proceed was issued effective May 19, 2014. Construction is complete.		<div>Project Budget: \$1,600,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$1,414,611.36</div> <div>Paid to Date: \$1,204,406.50</div> <div>Remaining Funds: \$395,593.50</div> <div>Percent Paid: 75.28%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	7/27/2012	<input checked="" type="checkbox"/>				
4	Bid Opening	8/28/2012	<input checked="" type="checkbox"/>				
5	Construction NTP	5/19/2014	<input checked="" type="checkbox"/>				
6	Construction Complete	5/16/2016	<input checked="" type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 008	Aeration Tank Baffle Wall Replacement-Glen Cove STP	Glen Cove Sewage Treatment Plant					
Description							
This project includes the removal and replacement of the aeration tank baffle walls and the replacement of approx 100 aeration tank air diffusers. The baffle walls and diffusers are approaching the end-of-their usefull life and must be replaced to ensure no failures of the treatment process.							
Project Status		Financial Data					
Detailed design is complete. The bid opening for Contract No. S35114-08G was on March 25, 2014. Bensin Contracting was the lowest responsible bidder and a recommendation of award was issued. Contract was approved on June 30, 2014 by the Rules Committee; Item N. B11-14. Contract duration is approximately 9 months. Haks-Nelson & Pope Joint Venture will be performing Construction Management Services for this project. Construction is complete.		<div>Project Budget: \$675,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$593,880.01</div> <div>Paid to Date: \$189,784.00</div> <div>Remaining Funds: \$485,216.00</div> <div>Percent Paid: 28.12%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	2/14/2014	<input checked="" type="checkbox"/>				
4	Bid Opening	3/25/2014	<input checked="" type="checkbox"/>				
5	Construction NTP	6/8/2015	<input checked="" type="checkbox"/>				
6	Construction Complete	6/6/2016	<input checked="" type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 009	Efficiency Capital Improvements- Design	Multiple Locations					
Description							
The Bay Park STP is undergoing a major upgrade to address damage from Super Storm Sandy and to improve its overall operation. An upgrade program is also underway at the Cedar Creek WPCP to address operational upgrades and system improvements. A key component to both plant upgrade programs is the implementation of energy efficiency projects to reduce operating costs and improve the reliability of existing operations.							
Project Status		Financial Data					
Projects are currently in detailed design.		<div>Project Budget: \$4,500,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$4,013,500.00</div> <div>Paid to Date: \$1,146,544.04</div> <div>Remaining Funds: \$3,353,455.96</div> <div>Percent Paid: 25.48%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/4/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	2/5/2015	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 010	Cedar Creek Onsite Sodium Hypochlorite Generation Facility	Cedar Creek WWTP					
Description							
A new OSHG system is proposed to meet the majority of the disinfection demand for hypo at the Cedar Creek STP and reduce the reliance on bulk tanker truck deliveries for supply. Advantages to onsite generation over bulk deliveries include lower operating costs, fewer chemical truck deliveries, and reduced risk of spills and chemical exposure to personnel due to the reduced chemical delivery frequency. Additionally onsite hypo generation can operate and produce hypo during catastrophic events like Hurricane Sandy when tanker trucks could not make deliveries due to flooding and fuel availability.							
Project Status		Financial Data					
Project is currently in detailed design. The design contract with Camp Dresser & Mckee will be reported under 35114-009. Bid opening was on December 8, 2015. R.J. Industries was the lowest bidder. This contract was tabled during the February 2, 2016 Legislature calendar meeting. A cost benefit analysis is required before moving forward.		<div>Project Budget: \$16,790,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$16,790,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/4/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	2/5/2015	<input checked="" type="checkbox"/>				
3	Detailed Design	10/9/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	12/8/2015	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 011	Energy Reduction- Organic Rankin Cycle at Bay Park STP	Bay Park STP					
Description							
Utilizing the ORC system to recover and convert waste thermal energy increases the existing engine plants’ electrical generation capacity with no additional fuel consumption. In addition, low grade heat may be extracted from the exhaust gases leaving the ORC unit if additional thermal energy is needed for process or space heating.							
Project Status		Financial Data					
Projects are currently in detailed design. The design contract with Camp Dresser & Mckee will be reported under 35114-009. Construction is anticipated for Summer 2016.		<div>Project Budget: \$7,447,681.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$7,447,681.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/4/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	2/5/2015	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35114

Wastewater Facility Improvements

Project No.	Project Name	Location					
35114 - 012	Marine Bulkhead Repair at Glen Cove STP	Glen Cove STP					
Description							
This Project is to replace the failing marine bulkhead with a new bulkhead. It is envisioned that the replacement bulkhead will be installed immediately outboard (creek side) of the existing bulkhead and that the old bulkhead will either be removed or substantially abandoned in place. The existing bulkhead is corroded and this corrosion has caused subsidence (loss of soil) in the embankment. Continued loss of soil creates unsafe conditions and failure (collapse) of the bulkhead may potentially jeopardize the adjacent structures including but not limited to the outfall chamber.							
Project Status		Financial Data					
Project is in detailed design. Through RFP S35114-12C H2M was selected to provide design services.		<div>Project Budget: \$1,000,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$117,520.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$1,000,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	4/25/2016	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

Capital Project Number 35100

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$0.00	\$0.00	\$50,000,000.00	\$637,399.44	\$1,092,596.25	~	N/A
001: Digester Rehabilitation & Cleaning- Bay Park STP	\$13,400,000.00	\$0.00	\$0.00	\$11,615,733.79	\$11,130,565.12	83.06%	65
002: Digester Rehabilitation & Cleaning Cedar Creek STP	\$20,500,000.00	\$0.00	\$0.00	\$18,151,250.00	\$2,088,322.08	10.19%	66
003: Digester Gas Sphere Rehab- Bay Park & Cedar Creek STP	\$8,700,000.00	\$0.00	\$0.00	\$684,828.00	\$109,837.50	1.26%	67
Sum:	\$42,600,000.00	\$0.00	\$50,000,000.00	\$31,089,211.23	\$14,421,320.95	33.85%	

*000-Admin reflects all administrative charges, inclusive of County Labor Charges and other miscellaneous legacy items.



Capital Project 35100

Bay Park and Cedar Creek Digester Rehabilitation

Project No.	Project Name	Location					
35100 - 001	Digester Rehabilitation & Cleaning- Bay Park STP	Bay Park Sewage Treatment Plant					
Description							
The cleaning and repair of eight digesters inclusive of two storage tanks, five heat exchangers and associated digester sludge piping. Tank cleaning shall include the removal of digester contents from the lower portion of the digester or storage tanks, pumping of sludge and wash water into a temporary portable belt filter press, conveying the dewatered digester contents to the County’s sludge handling contractor’s vehicle, and repairing all appurtenances associated with the tanks as describe in the contract documents.							
Project Status		Financial Data					
Contract S35100-01G was bid on February 14, 2012 and was awarded to Posillico Civil, Inc. on August 7, 2012. The Notice to Proceed was issued on May 20, 2013. Project is complete.		<div>Project Budget: \$13,400,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$11,615,733.79</div> <div>Paid to Date: \$11,130,565.12</div> <div>Remaining Funds: \$2,269,434.88</div> <div>Percent Paid: 83.06%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design		<input checked="" type="checkbox"/>				
4	Bid Opening	2/14/2013	<input checked="" type="checkbox"/>				
5	Construction NTP	5/20/2013	<input checked="" type="checkbox"/>				
6	Construction Complete	4/25/2016	<input checked="" type="checkbox"/>				



Capital Project 35100

Bay Park and Cedar Creek Digester Rehabilitation

Project No.	Project Name	Location					
35100 - 002	Digester Rehabilitation & Cleaning Cedar Creek STP	Cedar Creek Sewage Treatment Plant					
Description							
This project includes the cleaning and internal rehabilitation of nine (9) existing digesters; and the rehabilitation and/or replacement of various sludge circulation pumps, heat exchangers, gas compressors and associated piping, valves, meters and appurtenances.							
Project Status		Financial Data					
Detailed design is complete. Bid documents were available for pick-up on July 11, 2014, with a Bid Opening scheduled for August 19, 2014. Posillico was the lowest responsible bidder. Posillico was approved by the Rules Committee on December 1, 2014. Approved by NIFA on March 23, 2015. The County is currently procuring CM services through RFP S35100-02M. Debruin was approved by the Rules Committee on December 1, 2014. Notice to Proceed was issued effective April 20, 2015. Contract duration is 832 calendar days. Construction has commenced and is ongoing.		Project Budget: \$20,500,000.00 Reimbursements: \$0.00 Encumbered: \$18,151,250.00 Paid to Date: \$2,088,322.08 Remaining Funds: \$18,411,677.92 Percent Paid: 10.19%					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	9/13/2013	<input checked="" type="checkbox"/>				
3	Detailed Design	6/20/2014	<input checked="" type="checkbox"/>				
4	Bid Opening	8/12/2014	<input checked="" type="checkbox"/>				
5	Construction NTP	4/20/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35100

Bay Park and Cedar Creek Digester Rehabilitation

Project No.	Project Name	Location					
35100 - 003	Digester Gas Sphere Rehab- Bay Park & Cedar Creek STP	Bay Park & Cedar Creek STP					
Description							
This project includes the external and internal rehabilitation of the digester gas spheres (one [1] existing at each plant), replacement of various digester gas valves, and installation of equipment to improvement the quality of the digester gas.							
Project Status		Financial Data					
Planning/conceptual design is complete. Detailed design is ongoing. Bid Opening was on November 17, 2015. The bid results received were over the engineer's estimate. Bid results were evaluated, and engineers have decided to redefine the project scope and rebid the project. Through RFP 35100-03M the County will be itilizing D&B Engineers for construction management services. Bid opening was on November 17, 2015. It has been recommended that all bids be rejected. Project is currently pending rebid.		<div><div>Project Budget:</div><div>\$8,700,000.00</div></div> <div><div>Reimbursements:</div><div>\$0.00</div></div> <div><div>Encumbered:</div><div>\$684,828.00</div></div> <div><div>Paid to Date:</div><div>\$109,837.50</div></div> <div><div>Remaining Funds:</div><div>\$8,590,162.50</div></div> <div><div>Percent Paid:</div><div>1.26%</div></div>					
Project Schedule		Reimbursements					
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	9/13/2013	<input checked="" type="checkbox"/>				
3	Detailed Design	8/1/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	11/17/2015	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

Capital Project Number 3B119

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$0.00	\$0.00	\$38,749,719.00	\$4,730,349.16	\$4,911,410.04	~	N/A
003: Miscellaneous Improvements to Bay Park STP	\$5,433,065.00	\$0.00	\$0.00	\$4,986,140.25	\$4,526,001.00	83.30%	69
004: Effluent Screen & Disinfection Improvements- Bay Park STP	\$750,000.00	\$0.00	\$0.00	\$537,940.00	\$0.00	0.00%	70
005: Primary Generators Controls Rehabilitation- Bay Park STP	\$18,292,275.00	\$0.00	\$0.00	\$16,817,455.00	\$15,142,963.30	82.78%	71
006: Bay Park Temporary Heating Hot Water Water Piping System	\$5,272,764.00	\$2,953,275.00	\$0.00	\$3,937,700.00	\$2,682,275.00	50.87%	72
Sum:	\$29,748,104.00	\$2,953,275.00	\$38,749,719.00	\$31,009,584.41	\$27,262,649.34	91.64%	

*000-Admin reflects all administrative charges, inclusive of County Labor Charges and other miscellaneous legacy items.



Capital Project 3B119

Bay Park STP Various Buildings and Equipment Modifications

Project No.	Project Name	Location					
3B119 - 003	Miscellaneous Improvements to Bay Park STP	Bay Park Sewage Treatment Plant					
Description							
This project calls for the replacement of two (2) effluent water strainers and associated equipment within the Effluent Screening Building; replacement of two (2) existing 10,000 gal underground fuel oil tanks with new 8,000 gal above ground fuel oil tank, and replacement of radiators and associated cooling equipment all associated with the emergency generators; installation of maintenance platform to service effluent/tide pumps located in Effluent Pump Building; installation of a temporary cooling system, and various large valve replacements primarily associated with the main engine generator's effluent cooling water system located in the Main Building; as well as the electrical, instrumentation and control associated with this work.							
Project Status		Financial Data					
Contract S3B119-03G and S3B119-03E were bid on August 10, 2010. Contract No. S3B119-03G was awarded to WHM Plumbing, Inc. and Contract No. S3B119-03E was awarded to Palace Electrical Contractors, Inc. Time extension was granted until September 30, 2016.		<div>Project Budget: \$5,433,065.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$4,986,140.25</div> <div>Paid to Date: \$4,526,001.00</div> <div>Remaining Funds: \$907,064.00</div> <div>Percent Paid: 83.30%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	8/18/2009	<input checked="" type="checkbox"/>				
4	Bid Opening	8/10/2010	<input checked="" type="checkbox"/>				
5	Construction NTP	9/1/2010	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3B119

Bay Park STP Various Buildings and Equipment Modifications

Project No.	Project Name	Location					
3B119 - 004	Effluent Screen & Disinfection Improvements- Bay Park STP	Bay Park Sewage Treatment Plant					
Description							
This project calls for the rehabilitation and replacement of effluent screens at Bay Park STP.							
Project Status		Financial Data					
This project has been cancelled because the scope of work was included in the Sandy Recovery efforts due to DEC requirements.		<div>Project Budget: \$750,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$537,940.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$750,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3B119

Bay Park STP Various Buildings and Equipment Modifications

Project No.	Project Name	Location					
3B119 - 005	Primary Generators Controls Rehabilitation- Bay Park STP	Bay Park Sewage Treatment Plant					
Description							
Removal of all power and control cables for the existing generator control systems for all four Main Engine Generators back to the source and furnishing and installation of new cables, testing, and start-up of new generator control systems for all Main Engine Generator Systems.							
Project Status		Financial Data					
Contract S3B119-05G was bid on July 17, 2013 and was awarded to Optimum Controls Corporation on August 5, 2013. The Notice to Proceed was issued on October 21, 2013. Construction has commenced and is ongoing. Contract S3B119-05G has a contract duration of 18 months. Contract has been extended through October 31, 2016.		<div>Project Budget: \$18,292,275.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$16,817,455.00</div> <div>Paid to Date: \$15,142,963.30</div> <div>Remaining Funds: \$3,149,311.70</div> <div>Percent Paid: 82.78%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement		<input checked="" type="checkbox"/>				
3	Detailed Design		<input checked="" type="checkbox"/>				
4	Bid Opening	7/17/2013	<input checked="" type="checkbox"/>				
5	Construction NTP	10/21/2013	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3B119

Bay Park STP Various Buildings and Equipment Modifications

Project No.	Project Name	Location					
3B119 - 006	Bay Park Temporary Heating Hot Water Water Piping System	Bay Park STP					
Description							
Project Status		Financial Data					
Bid Opening was on June 30, 2015. R.J. Industries was the lowest responsible bidder. As of July 13, 2015, construction has commenced and is ongoing. Time extension was granted until July 31, 2016.		<div><div>Project Budget:</div><div>\$5,272,764.00</div></div> <div><div>Reimbursements:</div><div>\$2,953,275.00</div></div> <div><div>Encumbered:</div><div>\$3,937,700.00</div></div> <div><div>Paid to Date:</div><div>\$2,682,275.00</div></div> <div><div>Remaining Funds:</div><div>\$2,590,489.00</div></div> <div><div>Percent Paid:</div><div>50.87%</div></div>					
Project Schedule		Reimbursements					
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>	NYS DHSES- 50% Advance	\$0.00	\$0.00	\$1,968,850.00
2	Procurement		<input checked="" type="checkbox"/>				
3	Detailed Design		<input checked="" type="checkbox"/>				
4	Bid Opening	6/30/2015	<input checked="" type="checkbox"/>	NYS DHSES- Additional 25%	\$0.00	\$0.00	\$984,425.00
5	Construction NTP	7/13/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

Capital Project Number 3C067

Financial Summary Report

June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
000: Administration*	\$0.00	\$0.00	\$45,294,242.00	\$2,834,810.99	\$2,794,095.82	~	N/A
001: Influent Screens- Cedar Creek STP	\$15,970,181.00	\$0.00	\$0.00	\$14,881,494.81	\$3,960,997.46	24.80%	74
002: Grit Removal Facility Improvements- Cedar Creek STP	\$12,012,121.00	\$0.00	\$0.00	\$10,710,871.00	\$1,185,507.56	9.87%	75
003: Effluent Screening & Disinfection Facility Improvements- Cedar Creek STP	\$18,536,463.00	\$0.00	\$0.00	\$1,079,104.00	\$361,618.59	1.95%	76
004: Plant Water Systems Improvements- Cedar Creek STP	\$2,146,640.00	\$0.00	\$0.00	\$1,689,874.72	\$745,698.00	34.74%	77
005: Electrical Distribution System Improvements- Cedar Creek STP	\$9,998,121.00	\$0.00	\$0.00	\$555,750.00	\$28,500.00	0.29%	78
006: Sludge Reduction: Cedar Creek WPCP Centrifuges	\$5,050,000.00	\$0.00	\$0.00	\$1,900,000.00	\$0.00	0.00%	79
Sum:	\$63,713,526.00	\$0.00	\$45,294,242.00	\$33,651,905.52	\$9,076,417.43	14.25%	

*000-Admin reflects all administrative charges, inclusive of County Labor Charges and other miscellaneous legacy items.



Capital Project 3C067 Cedar Creek Equipment Upgrade

Project No.	Project Name	Location					
3C067 - 001	Influent Screens- Cedar Creek STP	Cedar Creek Sewage Treatment Plant					
Description							
The principal features of the work to be performed under this contract consist of construction of an addition to the existing Influent Screening Building, furnishing and installation of new bar screens and plant equipment, and associated electrical, instrumentation, HVAC and plumbing.							
Project Status		Financial Data					
Detailed design is complete. The bid opening for contract S3C067-01G was on October 1, 2013. WHM Plumbing, Inc. was the lowest responsible bidder. Contract was approved by the Rules Committee on February 10, 2014; Item No. B-1-14. Contract was approved by NIFA on June 18, 2014. Contract duration is 850 days. Proposals were requested for CM services and the firm Liro Engineers, Inc. S3C067-01M was approved. WHM Plumbing was issued a Notice to Proceed effective July 15, 2014. Contract duration is 850 calendar days. Construction has commenced and is ongoing.		Project Budget: \$15,970,181.00 Reimbursements: \$0.00 Encumbered: \$14,881,494.81 Paid to Date: \$3,960,997.46 Remaining Funds: \$12,009,183.54 Percent Paid: 24.80%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	8/30/2013	<input checked="" type="checkbox"/>				
4	Bid Opening	10/1/2013	<input checked="" type="checkbox"/>				
5	Construction NTP	7/15/2014	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3C067

Cedar Creek Equipment Upgrade

Project No.	Project Name	Location					
3C067 - 002	Grit Removal Facility Improvements- Cedar Creek STP	Cedar Creek Sewage Treatment Plant					
Description							
The principal features of the work to be performed under this contract consist of furnishing and installation of new grit tank mechanical equipment, air piping and valves, and associated electrical, instrumentation, HVAC and plumbing.							
Project Status		Financial Data					
Detailed design is complete. CM Services utilizing D&B Engineers, Contract S3C067-02M were approved on the February 10, 2014 Rules Calendar. The bid opening for contract S3C067-02G was on January 1, 2014. Heritage Mechanical Services, Inc. was the lowest responsible bidder. Contract S3C067-02G, Item B9-14, was approved on the May 5, 2014 Rules Calendar. Heritage, however, has informed the County that they no longer want the Contract due to the delay of award. The second lowest bidder, Philip Ross, was approved by the Rules Committee on November 3, 2014. Notice of Award issued April 20, 2015. Contract duration is 28 months. Construction has commenced and is ongoing.		Project Budget: \$12,012,121.00 Reimbursements: \$0.00 Encumbered: \$10,710,871.00 Paid to Date: \$1,185,507.56 Remaining Funds: \$10,826,613.44 Percent Paid: 9.87%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)		<input checked="" type="checkbox"/>				
3	Detailed Design	12/13/2013	<input checked="" type="checkbox"/>				
4	Bid Opening	1/21/2014	<input checked="" type="checkbox"/>				
5	Construction NTP	4/20/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3C067 Cedar Creek Equipment Upgrade

Project No.	Project Name	Location					
3C067 - 003	Effluent Screening & Disinfection Facility Improvements- Cedar Creek	Cedar Creek Sewage Treatment Plant					
Description							
This project includes improvements to the effluent disinfection system, outfall pumping controls, new tide gate structure, removal of effluent screens, and associated electrical, instrumentation, HVAC and plumbing.							
Project Status		Financial Data					
Through RFP PW-S3C06703 the County entered into a Personal Services Agreement with Cameron Engineering for design services. The County has procured Liro for construction management services under RFP S35121-03M. Bid opening for S3C067-03G was on December 22, 2015. R.J. Industries was the lowest responsible bidder. Construction is anticipated to begin July 2016.		<div>Project Budget: \$18,536,463.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$1,079,104.00</div> <div>Paid to Date: \$361,618.59</div> <div>Remaining Funds: \$18,174,844.41</div> <div>Percent Paid: 1.95%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	9/19/2011	<input checked="" type="checkbox"/>				
3	Detailed Design	10/15/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	12/22/2015	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3C067 Cedar Creek Equipment Upgrade

Project No.	Project Name	Location					
3C067 - 004	Plant Water Systems Improvements- Cedar Creek STP	Cedar Creek Sewage Treatment Plant					
Description							
This project includes improvements to the protected water system, domestic/city water system and the plant service water (screened effluent) system. Such improvements will include new pumps, motors, drives, piping, valves, controls and instrumentation.							
Project Status		Financial Data					
Malcolm Pirnie, Inc. was selected as the design consultants for 3C067-004. Bids for Contract No. S3C067-04G were received on August 12, 2014. RJ Industries was the lowest bidder. RJ Industries was approved by the Rules Committee on December 1, 2014. Cameron Engineering will be providing Construction Management services through their "On-Call" Agreement. Contract duration is 6 months. Construction has commenced and is ongoing.		Project Budget: \$2,146,640.00 Reimbursements: \$0.00 Encumbered: \$1,689,874.72 Paid to Date: \$745,698.00 Remaining Funds: \$1,400,942.00 Percent Paid: 34.74%					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	6/23/2011	<input checked="" type="checkbox"/>				
3	Detailed Design	7/7/2014	<input checked="" type="checkbox"/>				
4	Bid Opening	8/12/2014	<input checked="" type="checkbox"/>				
5	Construction NTP	4/20/2015	<input checked="" type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3C067 Cedar Creek Equipment Upgrade

Project No.	Project Name	Location					
3C067 - 005	Electrical Distribution System Improvements- Cedar Creek STP	Cedar Creek Sewage Treatment Plant					
Description							
This project includes the replacement of various electrical distribution system equipment, including transformers, switchgear, and motor control centers.							
Project Status		Financial Data					
Planning/conceptual design is complete. The County will be procuring Design Services through RFP No. S3C067-05C. Proposals were received on July 18, 2014. Cameron Engineering was approved by the Rules Committee on December 1, 2014.		<div>Project Budget: \$9,998,121.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$555,750.00</div> <div>Paid to Date: \$28,500.00</div> <div>Remaining Funds: \$9,969,621.00</div> <div>Percent Paid: 0.29%</div>					
Project Schedule			Reimbursements				
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	5/30/2014	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	2/17/2015	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 3C067 Cedar Creek Equipment Upgrade

Project No.	Project Name	Location					
3C067 - 006	Sludge Reduction: Cedar Creek WPCP Centrifuges	Cedar Creek WWTP					
Description							
Sludge dewatering via centrifuge has been pre-selected for this project. Two centrifuges will be purchased by the County for installation under this contract. These centrifuges will be installed in the existing Dewatering Building and will discharge dewatered sludge to the existing shaftless screw conveyor system that conveys sludge from the existing belt filter presses to the truck loading bays.							
Project Status		Financial Data					
Detailed design is complete. Bid opening was on January 9, 2016. Posillico was the lowest bidder. Construction is anticipated to begin July 2016.		<div>Project Budget: \$5,050,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$1,900,000.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$5,050,000.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	2/4/2015	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	2/5/2015	<input checked="" type="checkbox"/>				
3	Detailed Design	11/23/2015	<input checked="" type="checkbox"/>				
4	Bid Opening	1/9/2016	<input checked="" type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

Capital Project Number 35107
Financial Summary Report
June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
001: East Hills Pump Stations	\$2,590,741.00	\$0.00	\$3,250,000.00	\$2,333,512.51	\$2,458,575.65	94.90%	81
Sum:	\$2,590,741.00	\$0.00	\$3,250,000.00	\$2,333,512.51	\$2,458,575.65	94.90%	



Capital Project 35107

East Hills Pump Station Improvements

Project No.	Project Name	Location					
35107 - 001	East Hills Pump Stations	East Hills					
Description							
The principal features of work to be performed under this contract includes the construction of two (2) new buildings, replacement of raw sewage pumps, replacement of emergency generator, replacement of various valves and piping, and associated electrical, instrumentation, and plumbing.							
Project Status		Financial Data					
Contracts S35107G and S35107E was bid on December 13, 2011. S35107G was awarded to Philip Ross Industries, Inc. and S35107E was awarded to Bana Electric Corp. Construction is complete.		<div>Project Budget: \$2,590,741.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$2,333,512.51</div> <div>Paid to Date: \$2,458,575.65</div> <div>Remaining Funds: \$132,165.35</div> <div>Percent Paid: 94.90%</div>					
Project Schedule				Reimbursements			
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design	3/16/2009	<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	3/1/2010	<input checked="" type="checkbox"/>				
3	Detailed Design	10/20/2011	<input checked="" type="checkbox"/>				
4	Bid Opening	12/13/2011	<input checked="" type="checkbox"/>				
5	Construction NTP	8/20/2013	<input checked="" type="checkbox"/>				
6	Construction Complete	4/23/2016	<input checked="" type="checkbox"/>				

Capital Project Number 35117
Financial Summary Report
June 2016 ~ Monthly Report

Sub-Project Number: Title	Project Budget	Reimbursements	Bond Authorization	Encumbered	Paid to Date	% Paid	Page
002: Environmental Facilities System-Wide SCADA	\$1,000,000.00	\$0.00	\$11,250,000.00	\$738,647.00	\$303,167.48	30.32%	83
003: Cedar Creek WPCP SCADA Upgrades	\$5,806,509.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	84
004: Bay Park STP SCADA Upgrades	\$3,167,600.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	85
005: Glen Cove WWTP SCADA Upgrades	\$2,590,756.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	86
Sum:	\$12,564,865.00	\$0.00	\$11,250,000.00	\$738,647.00	\$303,167.48	2.41%	



Capital Project 35117

Wastewater Security Improvements

Project No.	Project Name	Location					
35117 - 002	Environmental Facilities System-Wide SCADA	Various Locations					
Description							
This project includes supervisory control and data acquisition (SCADA) improvements to the Department’s environmental facilities. With varying degrees of automation at the Department’s three (3) wastewater treatment plants, fifty-seven (57) sewage pumping stations and seven (7) storm water pumping stations, the Department is seeking to standardize the automation systems and provide overall supervisory control of these facilities.							
Project Status		Financial Data					
Through RFP PW-S35117-02C, the County has entered into a Personal Service Agreement with CDM Smith for design services. Four (4) bid contracts are planned to be developed, one (1) each for: Pump Stations SCADA Upgrade; Cedar Creek WPCP SCADA Upgrade; Bay Park STP SCADA Upgrade; and, Glen Cove WWTP SCADA Upgrade. Bid contracts will be developed in the order indicated, in coordination with active design projects. Pump Station rehabilitation will be funded through 3P312.		<div>Project Budget: \$1,000,000.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$738,647.00</div> <div>Paid to Date: \$303,167.48</div> <div>Remaining Funds: \$696,832.52</div> <div>Percent Paid: 30.32%</div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input checked="" type="checkbox"/>				
2	Procurement (Design Services)	9/13/2013	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35117

Wastewater Security Improvements

Project No.	Project Name	Location					
35117 - 003	Cedar Creek WPCP SCADA Upgrades	Cedar Creek WWTP					
Description							
This project includes supervisory control and data acquisition (SCADA) improvements to the Department’s environmental facilities. The Department is seeking to standardize the automation systems and provide overall supervisory control of Cedar Creek WWTP.							
Project Status		Financial Data					
Project is currently in preliminary design. Bid opening is anticipated for Fall of 2016.		<div>Project Budget: \$5,806,509.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$5,806,509.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule							
Reimbursements							
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)	12/17/2015	<input checked="" type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35117

Wastewater Security Improvements

Project No.	Project Name	Location					
35117 - 004	Bay Park STP SCADA Upgrades	Bay Park STP					
Description							
This project includes supervisory control and data acquisition (SCADA) improvements to the Department’s environmental facilities. The Department is seeking to standardize the automation systems and provide overall supervisory control of Bay Park STP.							
Project Status		Financial Data					
Project is currently in preliminary design. Bid opening scheduled for April 2017.		<div><div>Project Budget:</div><div>\$3,167,600.00</div></div> <div><div>Reimbursements:</div><div>\$0.00</div></div> <div><div>Encumbered:</div><div>\$0.00</div></div> <div><div>Paid to Date:</div><div>\$0.00</div></div> <div><div>Remaining Funds:</div><div>\$3,167,600.00</div></div> <div><div>Percent Paid:</div><div>0.00%</div></div>					
Project Schedule		Reimbursements					
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				



Capital Project 35117

Wastewater Security Improvements

Project No.	Project Name	Location					
35117 - 005	Glen Cove WWTP SCADA Upgrades	Glen Cove WWTP					
Description							
This project includes supervisory control and data acquisition (SCADA) improvements to the Department’s environmental facilities. The Department is seeking to standardize the automation systems and provide overall supervisory control of Glen Cove WWTP.							
Project Status		Financial Data					
Project is currently in preliminary design. Bid opening scheduled for September 2017.		<div>Project Budget: \$2,590,756.00</div> <div>Reimbursements: \$0.00</div> <div>Encumbered: \$0.00</div> <div>Paid to Date: \$0.00</div> <div>Remaining Funds: \$2,590,756.00</div> <div>Percent Paid: 0.00%</div>					
Project Schedule		Reimbursements					
No.	Milestone	Completion Date	Complete	Source	Design	CM	Construction
1	Planning/Conceptual Design		<input type="checkbox"/>				
2	Procurement (Design Services)		<input type="checkbox"/>				
3	Detailed Design		<input type="checkbox"/>				
4	Bid Opening		<input type="checkbox"/>				
5	Construction NTP		<input type="checkbox"/>				
6	Construction Complete		<input type="checkbox"/>				

APPENDIX A



FEMA

January 17, 2014

Andrew X. Feeney
Deputy Commissioner for Special Programs (AGAR)
NYS Division of Homeland Security for Emergency Services
1220 Washington Avenue
Building 22, Suite 101
Albany, NY 12226-2251

Rob Walker
Chief Deputy County Executive
Office of the Nassau County Executive
1550 Franklin Avenue
Mineola, NY 11501

Gentlemen:

This letter confirms the understanding that was reached on January 13, 2014 between FEMA, the State of New York (the "Grantee") and Nassau County Department of Public Works (the "County"), regarding the repair/replacement and mitigation of portions of the Bay Park Treatment Plant ("Bay Park"). Bay Park is the legal responsibility of the County and portions of the plant were submerged in floodwater as a result of Hurricane Sandy. I would appreciate your signed confirmation of the essential elements of the undertaking below at your earliest convenience. Once I receive your signed confirmation, FEMA will develop with you and execute an alternative procedure pilot project for permanent work and supporting Project Worksheets in accordance with 42 U.S.C. § 5189f and the terms of this letter of undertaking.

Essential Elements of Alternative Procedure for Floodwater-Damaged Elements of the Bay Park Treatment Facility (FEMA-DR-4085)

1. FEMA agrees that due to floodwater damage sustained as a result of Hurricane Sandy, the following elements of the Bay Park are eligible for repair/restoration:

1. Electrical Distributions System
2. Sludge Dewatering Equipment
3. Satellite Pump Stations Serving the County
4. Main Building Raw Sewage Pumps
5. Effluent Screening and Disinfection Building
6. Effluent Pumping Facility
7. Miscellaneous Facilities Campus Wide

8. Final Settling Tank
9. Fire Protection Building
10. Gallery and Utility Tunnel Restoration

2. FEMA, the Grantee, and the County (hereinafter the "Parties") have agreed upon the damages caused as a direct result of Hurricane Sandy, the associated dimensions, a detailed description of those damages, and an eligible scope of work that will be captured in the Project Worksheet that FEMA will generate for this facility.
3. The Parties have agreed that the County will accept a fixed, capped Public Assistance Grant for the agreed upon disaster damages and eligible scope of work for this project under the alternative procedures authorized under Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, codified in 42 U.S.C. § 5189f. The Parties further acknowledge that the terms of this project will be subject to Public Assistance Alternative Procedure Pilot Program Guide for Permanent Work.
4. In accordance with 42 U.S.C. § 5189f(e), FEMA, working collaboratively with representatives from the State of New York and Nassau County Department of Public Works, has validated and accepted the County's estimate of **\$431,509,106** for repair/restoration costs for eligible damage, inclusive of codes and standards upgrades.
5. FEMA has also approved the County's hazard mitigation proposal (HMP) in the amount of **\$378,874,678** for Section 406 hazard mitigation to cover the following mitigation measures:

1. Plant-wide Electrical Distribution System	<ul style="list-style-type: none"> • Mitigation (e.g. elevation) of all critical and auxiliary electrical branch and distribution equipment.
2. Sludge Dewatering Facility	<ul style="list-style-type: none"> • Mitigation of sludge dewatering system including moving critical (e.g. electrical) components to higher elevation. • Replacement of flood-damaged pumps with dry pit submersible units and associated auxiliary equipment.
3. Barnes Ave	<ul style="list-style-type: none"> • Mitigation of interceptors and force main to prevent over-pressurization.
4. Plant Boundary and Storm water System	<ul style="list-style-type: none"> • Construction of perimeter boundary surrounding Bay Park Plant STP in combination with interior storm water management and pumping.
5. Influent Screening	<ul style="list-style-type: none"> • Mitigation and hardening of building, including adding flood wall around facilities to support flow-through and include removable bulkheads at entrances.
6. Raw Sewage Pumps	<ul style="list-style-type: none"> • Mitigation and hardening of building, including adding flood wall around facilities to support flow-through and include removable bulkheads at entrances. • Replacement of flood damaged pumps /motors with dry pit submersible units and associated auxiliary equipment.
7. Grit Removal	<ul style="list-style-type: none"> • Mitigation and hardening of system, including floodwall /

	bulkheads.
8. Primary Settling Tanks	<ul style="list-style-type: none"> • Mitigation and hardening of system, including floodwall / cover modifications.
9. Secondary Treatment Facilities	<ul style="list-style-type: none"> • Mitigation and hardening of buildings and systems, including dry pit submersible RAS and WAS pumps and auxiliary equipment. • General building hardening, including installing watertight doors at tunnel access points and floodwall / cover modifications.
10. Digesters and Sludge Thickening	<ul style="list-style-type: none"> • General building hardening, including installing watertight doors at tunnel access points. • Mitigation and hardening of system, including floodwall / bulkheads with removal barriers for access.
11. Central and Distributed HVAC Systems	<ul style="list-style-type: none"> • Mitigate and harden life safety equipment (e.g. HVAC).
12. Effluent Screening and Disinfection Building	<ul style="list-style-type: none"> • Mitigation and hardening of system, including floodwall / bulkheads with removal barriers for access. • Replacement of flood damaged pumps with dry pit submersible units and associated auxiliary equipment.
13. Effluent Pumping Facility	<ul style="list-style-type: none"> • General building hardening, including installing watertight doors. • Replacement of flood damaged pumps with dry pit submersible units and associated auxiliary equipment.
14. Odor Control Facility	<ul style="list-style-type: none"> • General building hardening, including installing watertight doors at tunnel access points.
15. Miscellaneous Facilities	<ul style="list-style-type: none"> • General building hardening, including installing watertight doors at tunnel access points. • Harden sump pumps and drainage systems to prevent backup and provide drainage in lower area within facilities and tunnels.
16. Pump Stations	<ul style="list-style-type: none"> • Mitigation of satellite pumping station throughout the County (e.g. dry flood-proofing; waterproof doors and elevation of generators and fuel tanks).

6. In agreeing to the fixed, capped Public Assistance Grant:

- a. The Parties agree that the grant will be based upon a fixed estimate and capped at \$810,383,784, which includes \$431,509,106 for repair/restoration costs and \$378,874,678 for 406 mitigation costs.
- b. The Parties acknowledge that the \$431,509,106 for repair/restoration and \$378,874,678 for 406 mitigation, agreed upon by the Parties reflect 100% of the total agreed upon funding, which includes the 90% federal cost-share and the 10% State cost-share.
- c. FEMA acknowledges that the County has flexibility to implement the fixed capped grant in the manner that it deems appropriate to achieve the intended benefit of the

agreed upon repair/restoration scope of work outlined in paragraph 1 (*i.e.* to at a minimum restore this critical facility to its pre-disaster function and capacity).

- d. FEMA acknowledges that the County may exercise flexibility in using the fixed capped grant appropriated for mitigation measures captured in paragraph 5 of this document. If during the design of this approved mitigation proposal, an alternative mitigation measure is identified outside the approved 406 mitigation scope of work, the County must demonstrate that:
 - i. At a minimum, the prevention of future damage under the alternative mitigation approach is proven to be equal to or greater than that of the previously approved HMP scope of work (outlined in paragraph 5) of a 500-year flood with Design Flood Elevation of 17.0 ft. (NAVD88).¹
- e. The Parties acknowledge that the environmental and historic preservation (EHP) compliance review required under 44 C.F.R. § 10, will be performed based on the agreed upon repair/restoration and mitigation scope of work. Accordingly, the Grantee must inform FEMA of any proposed changes in the agreed upon scope of work that do not substantially conform to the design, function, and location of the damaged facilities so that FEMA can determine whether additional EHP review must be conducted to ensure compliance.
- f. As a condition of this agreement, in order to achieve the necessary benefit associated with the agreed upon 406 mitigation funding for the approved HMP that is outlined under paragraph 5 of this agreement, the County agrees to perform whatever mitigation necessary to protect the primary and backup electrical power generation systems against a 500 year flood event. The County acknowledges that the elements of these systems that will be mitigated include but are not necessarily limited to:
 - i. Four tri-fuel primary electrical power generators and their associated critical peripheral elements; and
 - ii. The backup emergency power system, which currently consists of three diesel generators and their associated critical peripheral elements
- g. The County further agrees to complete the mitigation outlined in paragraph 6(d) within the time limitations for the completion of permanent work set forth in 44 C.F.R. § 206.204(c), and acknowledges that its failure to comply with this requirement in a timely manner will cause the approved mitigation funding included in the capped grant to be deemed ineligible and may result in de-obligation of those funds.²

¹ See *Public Assistance Alternative Procedure Pilot Program Guide for Permanent Work*, Part II (D) & (E), (Dec. 19, 2013).

² The costs for mitigation of the primary and backup electrical power generation systems were not eligible and thus, not included in the total amount of 406 mitigation that FEMA approved for this project because these were undamaged elements. However, the Benefit Costs Analysis (BCA) that justified FEMA's acceptance of the County's HMP assumes the completion of this mitigation. Therefore, the eligibility of the 406 hazard mitigation funding included in this grant is

- h. The Parties agree that the cost of mitigating the primary and secondary electrical power generation systems will be approximately \$20,000,000. The Grantee agrees to be responsible for the cost of this mitigation element as it is not part of the scope of work, which is the basis for the accepted fixed grant.
- i. The Grantee and the County acknowledge that, in accordance with Section 312 of the Stafford Act, and 44 C.F.R. §206.191, because they are accepting this fixed, capped Public Assistance Grant, they will not receive any additional public assistance funding for Sandy related damages to any facility and/or site identified in the tables under paragraphs 1 and 5 above. Additionally, if the County receives any insurance proceeds that were not originally contemplated in arriving at the agreed upon amount of the fixed, capped grant, reductions in the amount of actual insurance proceeds may be required before the project worksheet is finalized.

7. For all eligible damage:

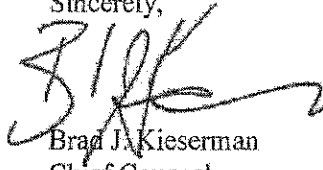
- a. In accordance with 42 U.S.C. § 5189f(f), FEMA has the authority to waive, as necessary, any regulation regarding the replacement of eligible flood-damaged elements of Bay Park not consistent with this approach and will carry out the proposed alternative procedure as a pilot program for the County for FEMA-DR-4085.
- b. New York State and the County will agree to waive any and all rights to bring appeals pursuant to 44 CFR § 206.206 or requests for arbitration pursuant to 44 CFR § 206.210 (the Dispute Resolution Pilot Program authorized by Section 1105 of the Sandy Recovery Improvement Act,) against FEMA based on, arising out of, or by reason of any or all of the conditions set forth in this letter.
- c. FEMA will deobligate funding awarded in compliance with this agreement and memorialized in the appropriate PWs only upon a determination of fraud, waste, or abuse, or at the direction of the designated audit follow up official for the Department of Homeland Security/FEMA, or as a result of the County's failure to comply with paragraphs 6(d) and (e) of this agreement. FEMA recognizes that any subsequent determination that deobligates funding associated with the determinations made herein and memorialized in the appropriate PW could constitute a new dispute subject to appeal under 44 C.F.R. § 206.206 or arbitration under 44 C.F.R. § 206.210 (provided the circumstances of the dispute meet the requirements for arbitration articulated in that section).

contingent upon the County demonstrating to FEMA that the mitigation to these undamaged elements will be achieved through a funding source outside of FEMA Public Assistance.

herein and memorialized in the appropriate PW could constitute a new dispute subject to appeal under 44 C.F.R. § 206.206 or arbitration under 44 C.F.R. § 206.210 (provided the circumstances of the dispute meet the requirements for arbitration articulated in that section).

Upon receiving the State's and the County's signed confirmation of the essential elements of this understanding, FEMA will generate a Project Worksheet resulting in a fixed, capped Public Assistance Grant for the agreed upon total of \$810,383,784, which will include, at a minimum, all of the flexibilities of 42 U.S.C. § 5189f(e)(1).

Sincerely,



Brad J. Kieserman
Chief Counsel

Federal Emergency Management Agency

By signing below, the parties confirm their understanding of and their agreement to the essential elements of this undertaking as set forth above:

New York State:

Jerome Hauer
Governor's Authorized Representative
State of New York

Date

Nassau County:



Rob Walker
Chief Deputy County Executive
Nassau County

January 22, 2014
Date

APPENDIX B



FEMA

May 29, 2015

Andrew X. Feeney
Alternate Governor's Authorized Representative
New York State Division of Homeland Security and Emergency Services
1220 Washington Avenue
Building 22, Suite 101
Albany, New York 12226-2251

Rob Walker
Chief Deputy County Executive
Nassau County
1550 Franklin Avenue
Mineola, New York 11501

Mr. Feeney and Mr. Walker:

This letter confirms the understanding that was reached among FEMA, the State of New York (the "Grantee"), and the Nassau County (the "Subgrantee"), regarding the repair/restoration of the damages to the multiple facilities located throughout Nassau County, resulting from Hurricane Sandy (FEMA-4085-DR-NY) (the "Facility(ies)"). The Subgrantee is legally responsible for the repair/restoration of those damages.

I would appreciate your signed confirmation of the essential elements of the undertaking set forth below no later than June 15, 2015. Once I receive your signed confirmation, FEMA will work with the Grantee and the Subgrantee to develop and execute an alternative procedure pilot project for permanent work and a supporting Project Worksheet(s) in accordance with 42 U.S.C. § 5189f and the terms of this letter of undertaking.

Essential Elements of Alternative Procedure Pilot Project

1. FEMA acknowledges that the portions of the Facility(ies) listed below sustained disaster-related damage as a result of Hurricane Sandy and are eligible for repair/restoration pursuant to Section 406 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (the "Stafford Act"), codified at 42 U.S.C. § 5172:
 - Bay Park Laboratory located at the Bay Park Sewage Treatment Plant, 2 Marjorie Lane, East Rockaway, New York 11518
 - Bay Park Construction Administration Building located at the Bay Park Sewage Treatment Plant, 2 Marjorie Lane, East Rockaway, New York 11518

- Hazmat Vehicles (#2 and #3) housed at 1194 Prospect Avenue, Westbury, New York 11590
 - Vehicles and equipment located at the Bay Park Sewage Treatment Plant, 2 Marjorie Lane, East Rockaway, New York 11518
 - Contents and equipment located in the following facilities throughout Nassau County:
 - SITE 1 Bay Park Construction Administration Building
 - SITE 2 Bay Park Sewer/Road Maintenance
 - SITE 3 Bay Park Recreational Facility
 - SITE 4 Cow Meadow
 - SITE 5 Milburn Pond Park
 - SITE 6 Nickerson Beach
 - SITE 7 North Woodmere Golf
 - SITE 8 Tackapusha Park
 - SITE 9 Wantagh Park
 - SITE 10 Police Department Precinct #1 Booths F & H
 - SITE 11 Silver Lake Park
 - SITE 12 Police Department Precinct #4 Booth I
 - SITE 13 Mitchell Athletic Complex
 - SITE 14 Cedar Creek Park.
 - Nassau County Police Department Marine Bureau located at the foot of 1st Avenue, East Rockaway, New York 11518
 - Cow Meadow Park Buildings located at 701 S. Main Street, Freeport, New York 11520
 - Wantagh Park/Community Center Yacht Club, 1 King Road Wantagh, New York 11793
 - Bay Park Sewer/Road Maintenance Building (Building 8) located at the Bay Park Sewage Treatment Plant, 2 Marjorie Lane, East Rockaway, New York 11518
 - Inwood Park Shoreline and Maintenance Garage, Bayview Ave, Inwood, New York
2. FEMA, the Grantee, and the Subgrantee (collectively, the "Parties") agree upon the damages caused as a direct result of Hurricane Sandy, the associated dimensions, a detailed description of those damages, and an eligible scope of work to repair/restore/replace the Facility(ies), all of which will be captured in the Project Worksheet(s) (the "PW") that FEMA will generate. A summary of the agreed-upon damages for the applicable Facility(ies) and/or any applicable contents is below:

Summary of Damages to the Facility(ies)	
Bay Park Laboratory	Extensive disaster-related damages resulted in a repair versus replacement cost comparison of 56.25%. Therefore, the Bay Park Laboratory is deemed a replacement facility under 44 C.F.R. § 206.226(f), and is eligible for replacement.

Bay Park Construction Administration Building	Extensive disaster-related damages resulted in a repair versus replacement cost comparison of 67.30%. Therefore, the Bay Park Construction Administration Building is deemed a replacement facility under 44 C.F.R. § 206.226(f), and is eligible for replacement.
Hazmat Vehicle #2 and #3 and Contents	Salt water intrusion to engines, transmissions, suspension systems, brake systems, and electrical systems. Storage racks, tool mounts, refrigerators, equipment mounts, desks, generators, battery chargers, mobile radios, channel scanners, air ratchets, impact wrenches, drills and bits, grinders, air hammers, impact sockets, fire extinguishers, SCBA walk away brackets, cable reels and cables.
Vehicles and Equipment located at the Bay Park Sewage Treatment Plant	53 vehicles destroyed by salt water intrusion to engine/major electrical systems with radios and equipment.
Contents in facilities throughout Nassau County	Office furniture, refrigerators, freezer, heaters, water cooler, washer and dryer, locker, fire extinguisher, landscaping equipment and supplies, construction and maintenance equipment and supplies, electrical equipment, park tables, trash receptacles, safes, microwaves, golf equipment, animal care equipment and supplies, television, phones, A/C unit, stereo, stadium speakers and bleachers.
Nassau County Police Department Marine Bureau Contents & Equipment	Workshop (mechanical, electrical, body and upholstery) equipment and supplies, vehicle/vessel maintenance equipment, parts and supplies, office furniture and equipment, kitchen supplies and appliances.

Cow Meadow Park Buildings	Exterior soiled, soffits, light fixtures, CCTV camera systems, gate, CMU walls, floors, sheet rock, studs, base board, doors and frames, heaters, A/C unit, receptacles, conduit, cable, downspouts, roof panels, air compressor, water fountain, piping, valves, clock, light poles, floating docks, guard rail, power pedestals, electrical system components, deck, fence, backflow prevention assembly, concrete vault and berm.
Wantagh Park/Community Center Yacht Club	All building elements significantly damaged – building condemned 11/20/2012.
Bay Park Sewer/Road Maintenance Building	Boiler and electrical components, doors and frames, walls, transformers, panels, cabinets, range, receptacles, wire, tank, water fountain, jacks, sensors, heaters, bathroom fixtures, flooring, communication boxes, ceiling and air handlers.
Inwood Park Shoreline and Maintenance Garage	Flooring, wall base and finishes, hot water heater, molding, bulkhead wood, soil erosion, gravel embankment, drainage components and rip rap.
Bay Park Laboratory Contents and Equipment	Super L S/N Servo High Capacity 154985 and software, laboratory specialty equipment and components, fire extinguishers, heaters, appliances, reference books, office and laboratory furniture and office equipment.
Nassau County Police Department Marine Bureau Building	Walls, flooring, doors, frames and associated hardware, baseboards, heaters, outlets, bathroom fixtures, sensors, fans, cabinets, kitchen sink, concrete floor, siding and corner posts, electrical components, condensate unit, boiler, hot water heater, fuel dispensing equipment, fire suppression system, conduit and wiring, light fixtures, asphalt pavement, fuel station electrical systems and components, Fuel Tank Monitoring System, Fuel Person Recognition System, roofing, siding, pumps, cinderblock wall, power centers, receptacles, mooring poles, dock planks, and fascia boards.

3. The Parties agree that the Subgrantee will accept a fixed, capped Public Assistance Grant for the agreed-upon disaster damages and eligible scope(s) of work for the repair/restoration/replacement of the applicable Facility(ies) and/or any applicable contents under the alternative procedures authorized under Section 428 of the Stafford Act, codified at 42 U.S.C. § 5189f. The Parties acknowledge that the terms of this project will be governed by and subject to Section 428 of the Stafford Act; the Public Assistance Alternative Procedures Pilot Program Guide for Permanent Work (version 2), dated December 19, 2013; and, except where specifically waived or modified by Section 428 of the Stafford Act, all other laws, regulations, policies, and guidance applicable to FEMA's Public Assistance Program.
4. In accordance with 42 U.S.C. § 5189f(e), FEMA, working collaboratively with the Subgrantee's representatives, validates and accepts the Subgrantee's cost estimates for the repair/restoration/replacement of the applicable Facility(ies) and/or any applicable contents in the amount of \$11,644,063. This amount includes design and project management costs, and any costs resulting from the environmental and historic preservation ("EHP") compliance review, discussed below.
5. FEMA also accepts the Subgrantee's cost estimates and engineering specifications for its proposed Section 406 hazard mitigation measures for the applicable Facility(ies) and/or any applicable contents. Specifically, FEMA approves the Subgrantee's hazard mitigation proposal ("HMP") for the applicable Facility(ies) and/or any applicable contents in the amount of \$198,622. This amount includes design and project management costs, and any costs resulting from the environmental and historic preservation ("EHP") compliance review, discussed below. The approved HMP for the applicable Facility(ies) and/or any applicable contents includes the following measures, consistent with FEMA Public Assistance Section 406 hazard mitigation and other compliance requirements.

Summary of Section 406 HMP

Cow Meadow Buildings: Install flood-resistant doors and flood-resistant hardware.
--

Nassau County Police Department Marine Bureau Building: Relocate electrical equipment to second floor, install a fire rated partition, and install overhead reel receptacles.
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6. In agreeing to the fixed, capped Public Assistance Grant:
 - a. The Parties agree that the fixed, capped grant will be based upon a fixed cost-estimate and capped at \$12,314,588, which includes \$11,644,063 for the repair/restoration/replacement costs of the applicable Facility(ies) and/or any applicable contents, \$198,622 for Section 406 hazard mitigation costs, and \$471,903 for direct administrative costs ("DAC").

	Repair/ Restoration/ Replacement	Hazard Mitigation	DAC	Totals
Bay Park Laboratory	1,747,419		69,897	1,817,316
Bay Park Construction Administration Building	1,471,762		58,870	1,530,632
Hazmat Vehicle	624,410		24,976	649,386
DPW Vehicles and Equipment	710,709		28,428	739,137
Consolidated Contents	1,001,834		40,073	1,041,907
Nassau County Police Department Marine Bureau Contents & Equipment	489,757		19,590	509,347
Cow Meadow Park	1,190,212	276	46,630	1,237,118
Wantagh Park/Community Center Yacht Club	1,614,495		64,580	1,679,075
Bay Park Sewer/Road Maintenance Building	762,312		30,492	792,804
Inwood Park Shoreline and Maintenance Garage	208,538		8,342	216,880
Bay Park Laboratory Contents and Equipment	149,127		5,965	155,092
Nassau County Police Department Marine Bureau Building	1,673,488	198,346	74,060	1,945,894
Totals	\$11,644,063	\$198,622	\$471,903	\$12,314,588

- b. The Parties acknowledge that the agreed-upon fixed, capped grant amount of **\$12,314,588** reflects 100% of the total agreed-upon funding for the repair/restoration/replacement of the applicable Facility(ies) and/or any applicable contents, Section 406 hazard mitigation, if applicable, and DAC. The Parties further acknowledge that the agreed-upon fixed, capped grant amount of **\$12,314,588** includes the 90% Federal cost-share and the 10% non-Federal cost-share.
- c. The Parties acknowledge that if the Subgrantee wishes to execute a different scope(s) of work which rises to the level of not restoring a facility or function used during the cost capture, it must submit to FEMA its request for that alternate project scope(s) of work prior to initiating that work. If the Subgrantee wishes to execute a different scope of work which restores a similar function and/or capacity in a different configuration than the damaged facility or function used during the cost capture [example: scope of work is similar in function or capacity, but different in design], it must notify FEMA and the Grantee of the scope

change. The Parties acknowledge that FEMA must review and approve the alternate project(s) scope of work in accordance with PA Program requirements, including without limitation the EHP compliance. The Parties further acknowledge that if the Subgrantee wishes to use any of the funds approved under this fixed, capped grant for an improved scope(s) of work (as defined by 44 C.F.R. § 206.203(d)(1)), it must notify FEMA prior to initiating any of that work so that FEMA can determine whether additional EHP compliance review is required.

- d. FEMA acknowledges that the scope of work used to develop a fixed, capped estimate may include a Section 406 Hazard Mitigation Proposal. The Subgrantee may exercise flexibility in using the fixed, capped grant to bring forward new or alternative hazard mitigation measures. If any identified mitigation is an alternative measure that is not included in the approved HMP scope of work, the Subgrantee must demonstrate that, at a minimum, the measure will achieve a risk reduction benefit that is equal to or greater than that of the approved HMP scope of work.
- e. The Parties acknowledge that the EHP compliance review required under applicable EHP laws, regulations, and executive orders will be conducted based on the agreed-upon repair/restoration/replacement and HMP scope(s) of work, if applicable. If the Subgrantee chooses to perform an alternate project scope of work, EHP compliance review will be done upon receipt of that scope(s) of work. The Parties further acknowledge that the Subgrantee will notify both the Grantee and FEMA of any proposed changes in the scope(s) of work (including without limitation a proposed improved project) prior to initiating any work to ensure compliance with applicable EHP laws, regulations, executive orders, and policy.
- f. FEMA acknowledges that the magnitude and complexity of the work as well as the phasing required to construct the improvements may require an extension to the period of performance set forth in 44 C.F.R. § 206.204(c) at the outset of the project. Accordingly, FEMA and the Grantee may agree upon an extended period of performance from the date of obligation, which shall be reflected in the PW(s) prepared to implement this Letter of Undertaking. If the Subgrantee requires any further extension(s) of the period of performance, then it shall submit its request for an extension through the Grantee to the Regional Administrator for FEMA Region II.
- g. For those projects where the Subgrantee wishes to use any of the funds approved under this fixed, capped grant for an alternate project, the Parties agree that the Subgrantee will report through the Grantee to the Regional Administrator for FEMA Region II as soon as it starts preliminary design on the actual scope(s) of work to be funded by this grant. The Parties further agree that if the Subgrantee has not started at least preliminary design within 6 months of the date of this Letter of Undertaking, then the Parties shall meet in person or by conference call during which the Subgrantee shall present a progress report on the project to the

grantee and FEMA, including an explanation for the delay and a projection for the date design is expected to commence. The Subgrantee will continue to present progress reports in this manner on these projects every 90 days thereafter until the design phase is completed.

- h. The Grantee and the Subgrantee acknowledge that, in accordance with Section 312 of the Stafford Act, because they are accepting this fixed, capped Public Assistance Grant for permanent work, they will not receive any additional public assistance funding for Sandy-related damages addressed by the scope described herein and upon which this fixed, capped grant is based.

7. With respect to insurance:

- a. Pursuant to Section 312 of the Stafford Act and 44 C.F.R. Part 206, Subpart I, the Subgrantee may not receive disaster assistance for losses covered by insurance. The Grantee and the Subgrantee acknowledge that the Subgrantee's receipt of insurance proceeds may result in a duplication of benefits prohibited by Section 312 of the Stafford Act, and may require the de-obligation of certain funding. Accordingly, the Parties agree that FEMA will evaluate the Subgrantee's insurance coverage applicable to the applicable Facility(ies) and/or any applicable contents to determine insurance proceeds and reduce funding from the agreed-upon fixed, capped grant by the amount of the duplication of benefits created as actual insurance proceeds or anticipated insurance proceeds for eligible work based upon coverages available at the time of the event, as explained in subparagraph (b), below. Any actual insurance recoveries must be apportioned and deducted from this fixed, capped grant at such time of insurance payment or programmatic closeout, to avoid any duplication of benefits from insurance. The Subgrantee agrees that it will inform FEMA of its receipt of any insurance proceeds and provide all necessary documentation to help FEMA determine the appropriate apportionment of eligible proceeds and the allocation of those proceeds. The Subgrantee agrees that it will pursue all available insurance coverage in accordance with insurance industry standards.
- b. The Parties acknowledge that the above-referenced reduction from the fixed, capped grant will be based on either the actual insurance proceeds or the anticipated insurance proceeds, if the actual proceeds are not known. The Parties agree that this reduction will be subtracted from the fixed, capped grant irrespective of whether the Subgrantee performs the scope of work upon which the fixed, capped grant is based or a different scope(s) of work. The Parties further agree that the amount of the fixed, capped grant less the reduction will be adjusted only if the original reduction was based on the anticipated insurance proceeds and the amount of the actual insurance proceeds the Subgrantee receives differs from the amount of the anticipated proceeds used to calculate the reduction from the fixed, capped grant. Specifically, if the Subgrantee's actual insurance proceeds exceed the amount of the reduction based on anticipated insurance proceeds, the appropriate funding adjustment will be made to align those amounts

in order to avoid a duplication of benefits. Conversely, if the Subgrantee's actual insurance proceeds are less than the amount of the anticipated insurance proceeds used to calculate the reduction and the Subgrantee demonstrates that it performed the due diligence required in pursuing all available insurance proceeds, FEMA agrees to adjust the funding to reconcile the difference between those amounts. When analyzing the Subgrantee's insurance coverage and actual or anticipated insurance proceeds to determine the reduction as required by law, regulation, and policy, FEMA will calculate the reduction as accurately as possible based upon information available at the time of review in preparation for obligation of this fixed, capped grant.

- c. The Parties acknowledge that in accordance with Section 406 of the Stafford Act and 44 C.F.R. §§ 206.250(d) and 206.252(a), in the absence of flood insurance coverage on building(s) and contents in a special flood hazard area, FEMA will reduce the agreed-upon fixed, capped grant by the maximum amount of insurance proceeds the Subgrantee would have received had the building and contents been fully covered by a standard flood insurance policy (per Section 406(d) of the Stafford Act) or by insurance proceeds (per Section 312 of the Stafford Act), whichever is greater.
- d. The Parties acknowledge that under Section 311(b) of the Stafford Act and 44 C.F.R. § 206.252(d), the Subgrantee is required to obtain and maintain flood insurance in the amount of eligible disaster assistance as a condition of receiving Federal assistance. This requirement is inclusive of areas both inside and outside of the special flood hazard area. For damages caused by disasters other than flood, the Parties acknowledge that under Section 311(b) of the Stafford Act and 44 C.F.R. §206.253(b)(1), the Subgrantee is required to obtain and maintain such types and amounts of insurance as are reasonable and necessary to protect against future damage from the types of hazard that caused the major disaster. However, in accordance with Section 311(a)(2) of the Stafford Act, FEMA acknowledges that the Subgrantee may seek a certification from the State Insurance Commissioner as to the type and extent of insurance that is reasonable for the Applicant to obtain and maintain.

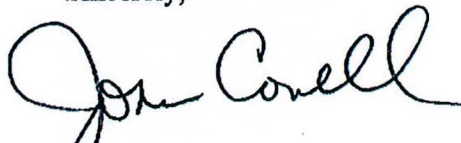
8. For all eligible damage:

- a. In accordance with 42 U.S.C. § 5189f(f), FEMA has the authority to waive, as necessary, any regulation regarding the repair/restoration of eligible damaged portions of the applicable Facility(ies) not consistent with this approach, and will carry out the proposed alternative procedure as a pilot program for the Subgrantee for FEMA-4085-DR-NY.
- b. The Grantee and the Subgrantee agree to waive any and all rights to bring appeals pursuant to 44 C.F.R. § 206.206 or requests for arbitration pursuant to 44 C.F.R. § 206.210 (the Dispute Resolution Pilot Program authorized by Section 1105 of the

Sandy Recovery Improvement Act,) against FEMA based on, arising out of, or by reason of any or all of the conditions set forth in this letter.

- c. FEMA will de-obligate funding awarded in compliance with this agreement and memorialized in the appropriate PW only upon a determination of fraud, waste, or abuse, or at the direction of the designated audit follow-up official for the Department of Homeland Security/FEMA. FEMA recognizes that any subsequent determination that de-obligates funding associated with the determinations made herein and memorialized in the appropriate PW could constitute a new dispute subject to appeal under 44 C.F.R. § 206.206 or arbitration under 44 C.F.R. § 206.210 (provided the circumstances of the dispute meet the requirements for arbitration articulated in that section). FEMA agrees to provide the Grantee with approximately 90 days advance notification prior to de-obligating an amount equal to or greater than \$1 million from the fixed, capped grant covered by this Letter of Undertaking.
- d. Upon receiving the Grantee's and the Subgrantee's signed confirmation of the essential elements of this undertaking, FEMA will generate a Project Worksheet(s) resulting in a fixed, capped Public Assistance Grant for the agreed-upon total of **\$12,314,588**, which will include, at a minimum, all of the flexibilities of 42 U.S.C. § 5189f(e)(1). The Parties acknowledge that no part of this letter of undertaking will be interpreted as more restrictive than, or supercede, 42 U.S.C. § 5189f(e)(1).


Sincerely,

A handwritten signature in black ink, appearing to read "John Covell". The signature is fluid and cursive, with the first name "John" and last name "Covell" clearly distinguishable.

John Covell
NY Sandy Recovery Office - Director

By signing below, the parties confirm their understanding of and their agreement to the essential elements of this undertaking as set forth above:


New York State:



Andrew X. Feeney
Alternate Governor's Authorized Representative
State of New York

6/4/15
Date

Nassau County



Rob Walker
Chief Deputy County Executive
Nassau County

6/5/15
Date

APPENDIX C

Bond Ordinance Allocations								
Capital Project 35121								
Bond Ordinance	Amount	Outside Funding	Balance					
259C-2012	\$60,000,000.00							
101-2013	\$120,745,000.00							
2016*	\$132,000,000.00							
Total:	\$312,745,000.00		\$15,500,315.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35121-000	Admin	\$ 50,000,000.00	HAZEN AND SAWYER/ ARCADIS, JOINT VENTURE - 462610083	CFPW13000013-01	\$ 49,949,108.00	PM		7/3/2013
35121-001	Final Settling Tanks	\$ 13,496,263.00	WELSBACH ELECTRIC CORP. L.I. - 112354251	CHPW13000021-01	\$ 564,769.00	Electric	S35121-01E	10/17/2013
			PRIMER CONSTRUCTION CORP. - 112760915	CHPW13000022-01	\$ 9,626,841.00	Construction	S35121-01G	10/7/2013
			CONTINGENCY & LABOR		\$ 1,172,172.50	Contingency		
			HAK ENGINEERS AND LAND SURVEYORS PC - 133779703	CFPW13000034-01	\$ 1,516,346.00	CM		1/29/2014
35121-003	Raw Sewage Pumps	\$ 24,509,941.00	AECOM TECHNICAL SERVICES INC. - 952661922	CFPW15000058-01	\$ 1,287,800.00	Design		
35121-011	Effluent Screening & Disinfection	\$ 14,970,000.00	GANNETT FLEMING ENGINEERS, PC - 522151596	Pending	\$ 859,300.00	Design		
35121-012	Effluent Tide Pumping Building	\$ 21,849,799.00	AECOM TECHNICAL SERVICES INC. - 952661922	CFPW14000047-01	\$ 1,698,528.00	Design	S35121-12C	11/3/2014
			RJ/SCALAMANDRE JV	CHPW16000004-01	\$ 15,677,700.00	Construction		
			CONTINGENCY & LABOR		\$ 2,351,655.00	Contingency		
			HAK ENGINEERS AND LAND SURVEYORS PC	CFPW16000008-01	\$ 1,641,452.66	CM		
35121-14E	Electrical Distribution Systems- Phase 2	\$ 34,354,359.00	JOHN P. PICONE INC. - 111713520	CHPW14000028-01	\$ 18,847,488.00	Construction		3/13/2015
			CONTINGENCY & LABOR		\$ 2,827,123.20	Contingency		
			LANGUAGE LINE SERVICE - 770586710	POPW15000045	\$ 1,515.00	PO		1/7/2015
35121-16G	Secondary Flood Protection and Hardening of Critical Facilities	\$ 18,776,436.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW16000024-01	\$ 1,014,000.00	Design		
35121-16M	Bay Park Park Maintenance Building	\$ 3,960,000.00	ENECON NORTHEAST APPLIED POLYMER SYSTEMS	POPW15000433-01	\$ 58,000.00	PO		8/26/2015
			GENUINE PARTS CO	POPW15000388-01	\$ 70,000.00	PO		7/29/2015
35121-16TR	Vehicle Fueling Facility and Tank Reconstruction	\$ 1,860,444.00	R.J. INDUSTRIES INC. - 113401288	Pending Enc	\$ 1,247,200.00	Construction	S35121-16TR	
			CONTINGENCY & LABOR		\$ 187,080.00	Contingency		
35121-16V	Dechlorination Vault Storm Mitigation	\$ 1,003,854.00	SIMCO ENGINEERING. P.C	CHPW16000009-01	\$ 614,800.00	Construction	S35121-16V	
			CONTINGENCY & LABOR		\$ 92,220.00	Contingency		
35121-16P	Heating Hot Water Piping Permanent System	\$ 26,214,350.00						
35121-16	Replace in Kind Contract	\$ 31,500,000.00						
35121-018	Plant Boundary Alternative- Stormwater	\$ 26,425,808.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW14000039-01	\$ 929,500.00	Design		10/14/2014
			WHM PLUMBING & HEATING CONTRACTORS, INC. - 112731372	CHPW16000003-01	\$ 16,700,000.00	Construction		
			CONTINGENCY & LABOR		\$ 2,505,000.00	Contingency		
			GANNETT FLEMING ENGINEERS, PC - 522151596	CFPW16000019-01	\$ 1,330,794.00	CM		
35121-XXX	Miscellaneous Projects	\$ 1,894,041.00	GEOMATRIX SERVICES & INTEGRATED HVAC - 262177594	CHPW11000024-05	\$ 157,150.35			8/2/2013
			THE GORDIAN GROUP, INC. - 581900371	CFPW09000009-06	\$ 6,720.00			11/26/2013
			GODWIN PUMPS OF AMERICA,INC. - 222138498	POPW13001224-01	\$ 702,827.48	PO		12/4/2013
			JACOBS PROJECT MANAGEMENT CO - 352321289	CFPW13000038-01	\$ 1,027,343.00	PM		1/31/2014
	Total:	\$ 270,815,295.00			\$ 134,664,433.19			

Bond Ordinance Allocations								
Capital Project 35123								
Bond Ordinance	Amount	Outside Funding	Balance					
168-2013	\$463,726,221.00							
Total:	\$463,726,221.00		\$211,553,032.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35123-L32	Sludge Dewatering Facility Flood Repair and Mitigation	\$ 57,913,898.00	GANNETT FLEMING ENGINEERS, PC - 522151596	CFPW14000019 01	\$ 2,204,475.00	Design		6/10/2014
			GRAMERCY GROUP, INC.	CHPW14000020-01	\$ 1,977,922.92	Construction Demo		9/2/2014
			LABOR		\$ 112,000.00	Labor Demo		
			JACOBS PROJECT MANAGEMENT CO - 352321289	CFPW14000036-01	\$ 4,550,000.00	CM		8/13/2014
			POSILICO CIVIL, INC.	CHPW15000025-01	\$ 39,616,000.00	Construction		10/19/2015
			CONTINGENCY & LABOR		\$ 5,942,400.00	Contingency		
35123-L33001	Electrical Distribution Systems- Phase 1	\$ 39,967,934.00	BSRJ A T/V - 464772318	CHPW14000005 01	\$ 29,474,225.00	Construction		4/10/2014
			CONTINGENCY & LABOR		\$ 3,501,680.00	Contingency		
			DE BRUIN ENGINEERING PC - 205248986	CFPW14000021 01	\$ 2,849,253.00	CM		6/10/2014
35123-L33003	Electrical Distribution Systems- Phase 3	\$ 117,793,836.00	BSRJ A T/V	CHPW15000021-01	\$ 97,447,200.00	Construction		9/8/2015
			CONTINGENCY & LABOR		\$ 14,617,080.00	Contingency		
			CH2M HILL ENGINEERS, PA - 202455468	CFPW15000001	\$ 13,833,370.00	CM Ph 2 & Ph 3		4/13/2015
35123-L33004	Electrical Distribution Systems- Phase 4	\$ 89,600,000.00						
35123-L35	Perimeter Flood Protection (Dike)	\$ 68,209,626.00	GRACE INDUSTRIES LLC - 208054737	CHPW14000007 01	\$ 46,220,965.00	Construction		4/11/2014
			CONTINGENCY & LABOR		\$ 10,501,725.00	Contingency** Need to Discuss		
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW14000020 01	\$ 1,466,487.00	CM		6/10/2014
			WATERCRAFT IRRIGATION INC. - 264163898	POPK15000367	\$ 99,000.00	PO		12/2/2015
35123-L36	Bay Park STP Chemical Reduction/ UV Disinfection	\$ 19,140,000.00						
35123-L37	Final Site Work	\$ 13,200,000.00						
35123-L38	Sidestream Deammonification	\$ 25,600,000.00						
35123-L39	Biological Nutrient Removal- Level 1	\$ 20,916,000.00						
35123-L40	Bay Park West Park Improvements	\$ 180,000.00						
	Total:	\$ 452,521,294.00			\$ 274,413,782.92			

Bond Ordinance Allocations								
Capital Project 3P311								
Bond Ordinance	Amount	Outside Funding	Balance					
259C-2012	\$22,800,000.00							
101-2013	\$53,200,000.00							
2016*	\$20,500,000.00							
Total:	\$96,500,000.00		\$5,432,824.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3P311-000	Admin	\$ 500,000.00	CG-3PL ENGINEERING, DPC	CQPW14000031 05	\$ 231,068.00			
3P311-001	Dock Place & Southland Drive	\$ 1,966,495.00	R.J. INDUSTRIES INC. - 113401288	CHPW13000020-01	\$ 1,022,789.00	Construction	S3P311-01G	10/7/2013
			LABOR		\$ 44,610.00	Labor Charges		10/7/2013
3P311-002	Cedar Dr, Roosevelt, Whitewood, Biltmore & Alhambra	\$ 8,524,406.00	LOCKWOOD, KESSLER & BARTLETT, INC - 111015370	CFPW14000024-01	\$ 519,220.00	Design		8/26/2014
			GREELEY AND HANSEN	CFPW15000003-01	\$ 1,231,685.90	CM		7/9/2015
			PHILIP ROSS INDUSTRIES, INC.	CHPW15000029-01	\$ 5,890,000.00	Construction		10/15/2015
			CONTINGENCY & LABOR		\$ 883,500.00	Contingency		
3P311-003	Wantagh Pkwy, Newbridge Rd, Merrick Rd & Ray St	\$ 9,217,355.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW14000023-01	\$ 422,500.00	Design		7/24/2014
			R.J. INDUSTRIES	CHPW15000024-01	\$ 7,647,700.00	Construction		
			CONTINGENCY & LABOR		\$ 1,147,155.00	Contingency		
3P311-004	Felix Ct, Fox Rd, Northern Blvd & Grand Ave	\$ 6,280,104.00	GREELEY AND HANSEN	CFPW14000037-01	\$ 468,000.00	Design		8/14/2014
			PHILIP ROSS INDUSTRIES, INC.	CHPW15000030-01	\$ 3,980,000.00	Construction		10/13/2015
			CONTINGENCY & LABOR		\$ 597,000.00	Contingency		
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW15000027-01	\$ 1,235,104.00	CM		10/26/2015
3P311-005	Millar St, Mott St, Long Beach Rd, Royal Ave & Lido Blvd	\$ 7,804,000.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW14000038-01	\$ 559,000.00	Design		10/14/2014
			PHILIP ROSS INDUSTRIES, INC.	CHPW15000031-01	\$ 6,300,000.00	Construction		10/15/2015
			CONTINGENCY & LABOR		\$ 945,000.00	Contingency		
3P311-006	Ocean Ave, Mill Rd, Woodmere Blvd, Longacre Ave & Doxey Bk	\$ 8,869,812.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW14000050-01	\$ 520,000.00	Design		1/6/2015
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW15000047-01	\$ 1,585,756.00	CM		
			PHILIP ROSS INDUSTRIES, INC.	CHPW16000006-01	\$ 6,200,000.00	Construction		
			CONTINGENCY & LABOR		\$ 930,000.00	Contingency		
3P311-007	Inwood, Doughty Blvd ,Bayview Ave & Roslyn Road	\$ 7,189,775.00	GANNETT FLEMING ENGINEERS, PC - 522151596	CFPW14000066-01	\$ 454,896.00	Design		4/7/2015
3P311-008	East Avenue Pump Station Reconstruction	\$ 3,776,000.00						
3P311-009	Barnes Avenue SSO/ Village of Hempstead Flow Diversion	\$ 28,580,000.00	CAMERON ENGINEERING & ASSOC LLP - 113313855	CFPW14000017-01	\$ 2,597,400.00	Design		5/13/2014
			URS CORPORATION	CFPW15000005-01	\$ 2,047,500.00	CM		7/28/2015
			STRATIS CONTRACTING CORP.	CHPW15000036-01	\$ 6,880,000.00	Construction		
			CONTINGENCY & LABOR		\$ 1,032,000.00	Contingency		
			SCALAMANDRE	CHPW15000041-01	\$ 15,327,000.00	Construction Force Main		
			CONTINGENCY & LABOR		\$ 1,927,492.50	Contingency Force Main		
3P311-010	Lawrence (STP) & Sage Lake Pump Stations	\$ 6,597,466.00	GREELEY AND HANSEN	CFPW15000020-01	\$ 374,466.00	Design		7/24/2015
			PHILIP ROSS INDUSTRIES, INC.	Pending		Construction		
3P311-011	Roslyn Village, Morgan Park, Shore Road	\$ 3,812,900.00						
3P311-XXX	Miscellaneous Projects	\$ 4,900,000.00	HINCK ELECTRICAL CONTRACTOR INC. - 112215346	CHPW13000003-01	\$ 3,900,000.00	Emergency Electrical		6/28/2013
			JACOBS PROJECT MANAGEMENT CO - 352321289	CFPW13000038-02	\$ 1,000,000.00	PM		1/31/2014
	Total:	\$ 94,205,413.00			\$ 77,900,842.40			

Bond Ordinance Allocations								
Capital Project 3P312								
Bond Ordinance	Amount	Outside Funding	Balance					
171-2014	\$1,000,000.00							
2016*	\$18,000,000.00							
Total:	\$19,000,000.00		\$266,826.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3P312-000	Administration							
3P312-001	Repairs to Various Pump Stations	\$ 2,088,499.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW15000052-01	\$ 162,500.00	Design	S3P312-01C	
3P312-002	Central, Dana & Long Meadow Pump Station - Glen Cove	\$ 8,164,726.00	H2M ARC & ENG, LAND SURVEY ARC, D.P.C - 112235604	CFPW15000045-01	\$ 564,200.00	Design	S3P312-02C	10/29/2015
3P312-003	Roslyn Village Pump Replacement - Cedar Creek	\$ 930,637.00	BENSIN CONTRACTING INC. - 112384257	Pending	\$ 719,000.00	Construction	S3P312-03G	
			CONTINGENCY & LABOR	Pending	\$ 107,850.00	Contingency		
3P312-004	Harwood & Southridge Pump Station- Glen Cove	\$ 5,957,443.00	H2M ARC & ENG, LAND SURVEY ARC, D.P.C - 112235604	Pending		Design		
3P312-005	Knott, Morgan & Viola Pump Station- Glen Cove	\$ 6,459,028.00						
3P312-006	Franklin, Shore & Titus Pump Station- Glen Cove	\$ 3,407,155.00						
3P312-007	Glengarraf & Woodland Pump Station- Glen Cove	\$ 3,994,444.00						
3P312-008	Pelican Pond & Cold Spring Pump Station - Cedar Creek	\$ 8,624,570.00						
3P312-009	Bernice Roslyn Village & Mallard Pump Station- Cedar Creek	\$ 30,536,493.00						
3P312-010	Cedarhurst, Causeway & Falmouth Pump Station - Bay Park	\$ 12,746,038.00						
3P312-011	Boden & East Williston Pump Station- Bay Park	\$ 11,960,695.00						
3P312-012	Pump Stations SCADA Upgrades	\$ 10,607,311.00	LOCKWOOD, KESSLER & BARTLETT, INC - 111015370	Pending	\$ 980,697.00	CM	S3P312-12M	
			HINCK ELECTRICAL CONTRACTOR INC. - 112215346	Pending	\$ 7,037,585.19	Construction		
			CONTINGENCY & LABOR	Pending	\$ 1,055,637.78	Contingency		
3P312-100	Master Plan	\$ 150,000.00						
	Total:	\$ 105,627,039.00			\$ 1,553,550.00			

Bond Ordinance Allocations								
Capital Project 35116								
Bond Ordinance	Amount	Outside Funding	Balance					
15M-2010	\$1,000,000.00							
080-2011	\$1,000,000.00							
101-2013	\$26,000,000.00							
107-A-2013	\$2,000,000.00							
2016*	\$500,000.00							
Total:	\$30,500,000.00		\$787,348.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35116-001	BP STP & CC WPCP Odor Control Improvements	\$ 30,300,000.00	R.J. INDUSTRIES INC. - 113401288	CHPW13000019-01	\$ 9,866,161.00	Construction	S35116-01G	3/11/2014
			R.J. INDUSTRIES INC. - 113401288	CHPW13000019-02	\$ 16,163,589.00	Construction	S35116-01G	3/11/2014
			CONTINGENCY & LABOR		\$ 728,105.00	Contingency		3/11/2014
			MALCOLM PIRNIE, INC. - 132653703	CFPW10000016-01	\$ 1,504,784.00	Design		12/7/2010
			LIRO ENGINEERS INC	CFPW13000033-01	\$ 1,996,793.00	CM		1/1/2014
	Total:	\$ 30,300,000.00			\$ 30,259,432.00			
Capital Project 3B120								
Bond Ordinance	Amount	Outside Funding	Balance					
36A-2006	\$100,000.00							
52-2007	\$500,000.00							
012-2009	\$1,000,000.00							
121-2010	\$400,000.00							
172-2010	\$1,660,411.00							
080-2011	\$18,700,000.00							
101-2013	\$12,700,000.00							
029-2014	\$10,000,000.00							
Total:	\$45,060,411.00		\$9,699,786.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3B120-000	Administration		CENTRAL BLUEPRINT CORP.	POPW12000130 01	\$ 1,000.00	Printing		2/27/2012
3B120-001	Influent Screening Facility Improvements	\$ 16,600,000.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW10000060-01	\$ 1,170,000.00	Design		1/3/2011
			GANNETT FLEMING ENGINEERS, PC - 522151596	CFPW13000019-01	\$ 1,351,764.00	CM		10/25/2013
			JOHN P. PICONE, INC	CHPW14000006-01	\$ 12,224,651.00	Construction		4/11/2014
			CONTINGENCY & LABOR		\$ 1,775,229.35	Contingency		
3B120-002	Grit Removal Facility Improvements	\$ 22,700,000.00	GANNETT FLEMING ENGINEERS, PC - 522151596	CFPW11000007-01	\$ 1,306,500.00	Design		6/30/2011
			GANNETT FLEMING ENGINEERS, PC - 522151596	CFPW11000007-02	\$ 604,194.00	Design		3/4/2014
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CQPW11000004-04	\$ 25,000.00	Constructability Review		9/26/2013
			LIRO ENGINEERS INC	CQPW11000003-03	\$ 7,000.00	PLA Analysis		12/20/2012
			HAZEN AND SAWYER PC - 132904652	CFPW07000019-01	\$ 109,200.00	Study		8/6/2007
			CAMERON ENGINEERING & ASSOC LLP - 113313855	CFPW14000018 -01	\$ 1,944,101.00	CM		5/13/2014
			RJ/ SCALAMANDRE JV	CHPW14000024-01	\$ 16,200,712.00	Construction	S3B120-02G	11/25/2015
			CONTINGENCY & LABOR		\$ 2,417,094.80	Contingency		
	Total:	\$ 39,300,000.00			\$ 39,136,446.15			

Bond Ordinance Allocations								
Capital Project 35114								
Bond Ordinance	Amount	Outside Funding	Balance					
012-2009	\$4,000,000.00							
15L-2010	\$3,950,000.00							
080-2011	\$19,250,000.00							
101-2013	\$24,955,000.00							
107-A-2013	\$1,000,000.00							
029-2014	\$20,800,000.00							
2016*	\$16,000,000.00							
Total:	\$89,955,000.00		\$23,393,095.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35114-000	Administration (Includes Legacy Items)	\$ 8,373,580.78	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW07000048 16	\$ 5,500.00			7/20/2011
			CAMERON ENGINEERING & ASSOC LLP - 113313855	CFPW09000051 02	\$ 65,000.00			8/12/2010
			CAMERON ENGINEERING & ASSOC LLP - 113313855	CFPW09000051 03	\$ 24,500.00			7/27/2010
			CAMERON ENGINEERING & ASSOC LLP - 113313855	CFPW09000051 12	\$ 1,600.00			5/9/2013
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW09000053 03	\$ 70,000.00			7/7/2010
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW09000053 08	\$ 55,000.00			8/12/2010
			MALCOLM PIRNIE, INC. - 132653703	CFPW10000016 02	\$ 1,482,756.00			12/7/2010
			JACOBS PROJECT MANAGEMENT CO - 352321289	CFPW11000030 01	\$ 3,877,343.00			2/7/2012
			DEBRUIN GEOMATICS, LS, PE, PC - 261518635	CFRE08000003 02	\$ 92,800.00			1/4/2011
			E & A RESTORATION INC - 113579414	CHPW09000029 07	\$ 124,134.82			11/9/2011
			SEAFORD AVENUE CORP - 20649257	CHPW10000031 27	\$ 133,464.05			5/9/2013
			SEVERN TRENT ENVIRONMENTAL SERVICES,INC. - 621168252	CQPW08000001 04	\$ 180,000.00			5/7/2010
			LIRO ENGINEERS INC - 131974950	CQPW11000003 05	\$ 27,554.00			3/19/2013
			ASHBROOK SIMON-HARTLEY OPERATIONS, LP - 202117380	POPW10001821 01	\$ 553,752.00			12/23/2010
			CENTRAL BLUEPRINT CORP. - 112003784	POPW11000289 01	\$ 2,000.00			2/18/2011
			ASHBROOK SIMON-HARTLEY OPERATIONS, LP - 202117380	POPW11000872 01	\$ 553,752.00			6/14/2011
			POLYCHEM SYSTEMS, DIVISION OF - 231658487	POPW11001857 01	\$ 431,424.91			12/29/2011
			CENTRAL BLUEPRINT CORP. - 112003784	POPW12000129 01	\$ 2,000.00			1/27/2012
			JACOBS PROJECT MANAGEMENT CO - 352321289	CFPW13000038-04	\$ 650,000.00			2/19/2015
			GENUINE PARTS CO. - 580254510	POPW15000100-01	\$ 41,000.00			1/26/2015
35114-001	Interim Sludge Thickening Facility Improv - Bay Park STP	\$ 4,700,000.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW09000053-06	\$ 125,000.00	Design		7/7/2010
			WHM PLUMBING & HEATING CONTRACTORS, INC. - 112731372	CHPW11000018-01	\$ 3,113,136.34	Construction		10/13/2011
			ELDOR CONTRACTING CORPORATION - 112466379	CHPW11000019-01	\$ 690,635.39	Construction		10/13/2011
			LOCKWOOD, KESSLER & BARTLETT, INC - 111015370	CFPW11000016-01	\$ 653,359.02	CM		9/19/2011
35114-002	Primary Settling Tank- Bay Park STP	\$ 13,729,090.00	HAZEN AND SAWYER PC - 132904652	CFPW09000052-04	\$ 185,689.08	Design		8/29/2011
			HAZEN AND SAWYER PC - 132904652	CQPW13000002-04	\$ 64,957.92	Design		
			HAKS-NELSON & POPE JOINT VENTURE - 274404689	CQPW11000009-02	\$ 176,228.00	Inspection		8/29/2011
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CQPW11000004-03	\$ 289,258.00	Inspection		8/5/2011
			HERITAGE MECHANICAL SERVICES INC - 112302904	CHPW11000030-01	\$ 10,016,536.24	Construction		1/25/2012
			HINCK ELECTRICAL CONTRACTOR INC - 112215346	CHPW11000029-01	\$ 418,316.26	Construction		1/25/2012
35114-003	Sludge Thickening Facility Improvements- Bay Park STP	\$ 17,308,650.00	HAZEN AND SAWYER PC - 132904652	CFPW10000044-01	\$ 1,222,000.00	Design		9/30/2010
			MACE CONTRACTING CORPORATION - 133884948	CHPW13000018-01	\$ 11,890,611.00	Construction	S35114-03G	10/7/2013
			CONTINGENCY & LABOR		\$ 1,790,550.00	Contingency		10/7/2013
			LOCKWOOD, KESSLER & BARTLETT, INC - 111015370	CFPW13000035-01	\$ 1,798,365.00	CM		3/4/2014
35114-004	Primary and Secondary Clarifiers- Glen Cove STP	\$ 7,674,630.00	H2M ARC & ENG, LAND SURVEY ARC, D.P.C - 112235604	CFPW11000055-01	\$ 366,600.00	Design		2/16/2012
			HAK ENGINEERS AND LAND SURVEYORS PC	CFPW15000026-01	\$ 477,605.00	CM		8/28/2015
			WHM PLUMBING & HEATING CONTRACTORS, INC. - 112731372	CHPW15000040 01	\$ 5,939,500.00	Construction		
			CONTINGENCY & LABOR		\$ 890,925.00	Contingency		
35114-005	New Electric Service- Glen Cove STP	\$ 1,032,070.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW09000053-04	\$ 48,000.00	Design		7/5/2010
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CQPW13000006-02	\$ 55,000.00	Design		6/27/2013
			MAINLINE ELECTRIC CORP - 112547559	CHPW13000001-01	\$ 626,261.28	Construction		4/23/2013
			HAKS-NELSON & POPE JOINT VENTURE - 274404689	CQPW11000009-03	\$ 302,808.00	CM		8/1/2013
35114-006	Sludge Dewatering Facility- Glen Cove STP	\$ 4,225,000.00	H2M ARC & ENG, LAND SURVEY ARC, D.P.C - 112235604	CFPW14000061-01	\$ 325,000.00	Design		1/6/2015
35114-007	Process Blower & PBS Tank Replacement- Glen Cove STP	\$ 1,600,000.00	CAMERON ENGINEERING & ASSOC LLP - 113313855	CQPW13000004-02	\$ 36,450.00	Design		11/8/2013
			R.J. INDUSTRIES INC. - 113401288	CHPW14000002-01	\$ 974,631.36	Construction		4/11/2014
			CONTINGENCY & LABOR		\$ 149,505.00	Contingency		4/11/2014
			HAK ENGINEERS AND LAND SURVEYORS PC	CQPW14000014-02	\$ 403,530.00	CM		4/6/2015

Bond Ordinance Allocations								
35114-008	Aeration Tank Baffle Wall Replacement-Glen Cove STP	\$ 675,000.00	HAKS-NELSON & POPE JOINT VENTURE - 274404689	CQPW11000009-04	\$ 0.01	CM		11/3/2014
			BENSIN CONTRACTING INC. - 112384257	CHPW15000004-01	\$ 564,000.00	Construction		4/7/2015
			CONTINGENCY & LABOR		\$ 84,600.00	Contingency		
			CAMERON ENGINEERING & ASSOC LLP - 113313855	CQPW13000004-05	\$ 29,880.00	Env. Asst		11/9/2015
35114-009	Efficiency Design	\$ 4,500,000.00	CAMP DRESSER & MCKEE INC - 042473650	CFPW14000060-01	\$ 4,013,500.00	Design		2/5/2015
35114-010	Cedar Creek Onsite Sodium Hypochlorite Generation Facility	\$ 16,790,000.00	R.J. INDUSTRIES INC. - 113401288	Pending Enc	\$ 12,627,700.00	Construction		
			CONTINGENCY & LABOR		\$ 1,894,155.00	Contingency		
			CONSTRUCTION MANAGEMENT	Pending Enc	\$ 1,249,492.00	CM		
			SUEZ	Pending Enc	\$ 1,010,216.00	PM Fee		
35114-011	Energy Reduction- Organic Rankin Cycle at Bay Park STP	\$ 7,447,681.00	SUEZ	Pending Enc	\$ 536,000.00	PM Fee		
35114-012	Bulkhead Repair/ Replacement- Glen Cove STP	\$ 1,000,000.00	H2M ARC & ENG, LAND SURVEY ARC, D.P.C - 112235604	CFPW15000059	\$ 117,520.00	Design		
35114-013	Influent Screens, Influent Pumps, Grit Removal- Glen Cove STP	\$ 5,990,375.00						
35114-014	Emergency Generators & ATS- Glen Cove STP	\$ 1,500,000.00						
35114-015	Electrical Power Distribution- Glen Cove STP	\$ 2,000,000.00						
35114-016	RAS Pumps- Glen Cove STP	\$ 667,449.00						
35114-017	Sludge Process Improvements & Misc. Building Mod- Glen Cove STP	\$ 2,444,281.00						
35114-019	Laboratory Improvements- Glen Cove STP	\$ 370,630.00						
35114-021	Site Security- Perimeter fence Replacement- Glen Cove STP	\$ 574,477.00						
35114-100	Master Plan	\$ 511,600.00	MALCOLM PIRNIE, INC.	CQPW13000001-05	\$ 511,600.00	Design Report		
	Total:	\$ 103,114,513.78			\$ 74,042,701.68			

Bond Ordinance Allocations								
Capital Project 35100								
Bond Ordinance	Amount	Outside Funding	Balance					
36A-2006	\$300,000.00							
52-2007	\$2,000,000.00							
080-2011	\$25,300,000.00							
101-2013	\$12,400,000.00							
029-2014	\$10,000,000.00							
Total:	\$50,000,000.00		\$16,768,873.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35100-000	Administration (Includes Legacy Items)	\$ 637,399.44	C&S BUILDING SERIVES, INC. - 113388155	POPW11000684-01	\$ 40,000.00			6/8/2010
			C&S BUILDING SERIVES, INC. - 113388155	POPW11000767-01	\$ 40,000.00			6/8/2010
			C&S BUILDING SERIVES, INC. - 113388155	POPW11000766-01	\$ 40,000.00			6/8/2010
			DE BRUIN ENGINEERING PC - 205248986	CFPW07000049-06	\$ 14,260.00			10/24/2010
			PHILIP ROSS INDUSTRIES INC - 112707717	CHPW10000002-01	\$ 501,139.44			2/25/2010
			MT GROUP, LLC - 203743256	CFPW09000001-27	\$ 2,000.00			4/15/2010
35100-001	Digester Rehabilitation & Cleaning Bay Park	\$ 13,400,000.00	HAZEN AND SAWYER PC - 132904652	CFPW09000052-03	\$ 163,291.95	Design		8/29/2011
			HAZEN AND SAWYER PC - 132904652	CFPW12000017-01	\$ 1,543,885.00	CM		5/8/2013
			HAZEN AND SAWYER PC - 132904652	CQPW13000002-03	\$ 264,650.05	Design		7/23/2014
			MALCOLM PIRNIE, INC. - 132653703	CFPW09000050-08	\$ 78,250.00	Study		8/10/2011
			POSILICO CIVIL, INC - 111529032	CHPW12000016-01	\$ 9,539,656.79	Construction	S35100-01G	12/14/2012
			CONTINGENCY & LABOR		\$ 1,746,242.00	Contingency		12/14/2012
			DE BRUIN ENGINEERING PC - 205248986	CQPW11000002-03	\$ 26,000.00			6/28/2012
35100-002	Digester Rehabilitation & Cleaning Cedar Creek	\$ 20,500,000.00	HAZEN AND SAWYER PC - 132904652	CQPW13000002-02	\$ 499,000.00	Design Cedar Creek		9/13/2013
			DE BRUIN ENGINEERING PC - 205248986	CFPW14000051-01	\$ 2,017,250.00	CM		2/5/2015
			POSILICO CIVIL, INC - 111529032	CHPW15000002-01	\$ 15,285,000.00	Construction		3/13/2015
			CONTINGENCY & LABOR		\$ 2,292,750.00	Contingency		3/13/2015
			SOLID WASTE SERVICES INC - 231721961	CNTEPW30515A-48	\$ 350,000.00			5/8/2015
35100-003	Digester Gas Sphere Rehab- Bay Park & Cedar Creek	\$ 8,700,000.00	MALCOLM PIRNIE, INC. - 132653703	CQPW13000001-02	\$ 204,396.00	Design		9/13/2013
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CQPW14000010-02	\$ 480,432.00	CM		11/9/2015
35100-004	Digester Gas System Improvements- Cedar Creek STP	\$ 10,000,000.00						
35100-005	Digester Sludge Pumping Improvements- Cedar Creek STP	\$ 10,797,694.00						
N/A	Methane Quality Improvements	\$ 7,000,000.00						
	Total:	\$ 71,035,093.44			\$ 35,128,203.23			

Bond Ordinance Allocations								
Capital Project 3B119								
Bond Ordinance	Amount	Outside Funding	Balance					
012-2004	\$5,000,000.00							
15B-2010	\$3,533,000.00							
080-2011	\$1,230,000.00							
EPA Grant	\$10,986,719.00							
101-2013	\$8,000,000.00							
029-2014	\$10,000,000.00							
Total:	\$38,749,719.00		\$ 6,155,662.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3B119-000	Administration (Includes Legacy Items)	\$ 4,730,349.16	MT GROUP, LLC - 203743256	CFPW09000001-26	\$ 5,000.00			4/15/2010
			THE GORDIAN GROUP, INC. - 581900371	CFPW09000009-04	\$ 38,080.00			11/26/2013
			LOCKWOOD, KESSLER & BARTLETT, INC - 111015370	CFPW09000040-01	\$ 558,793.00			9/24/2009
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW09000053-17	\$ 297,200.00			8/2/2012
			MACE CONTRACTING CORPORATION - 133884948	CHPW09000015-01	\$ 2,409,818.23			7/29/2009
			ELDOR CONTRACTING CORPORATION - 112466379	CHPW09000016-01	\$ 399,689.67			7/29/2009
			SEAFORD AVENUE CORP - 20649257	CHPW10000031-17	\$ 50,000.00			11/1/2012
			GEOMATRIX SERVICES & INTEGRATED HVAC - 262177594	CHPW11000024-03	\$ 680,000.00			1/10/2013
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CQPW13000006-10	\$ 39,888.26			3/6/2014
			CENTRAL BLUEPRINT CORP. - 112003784	POPW09000105-01	\$ 5,000.00			1/29/2009
			CENTRAL BLUEPRINT CORP. - 112003784	POPW09000679-01	\$ 7,000.00			4/13/2009
			TELEDYNE ISCO, INC - 470461807	POPW11001573-01	\$ 30,600.00			10/19/2011
			TELEDYNE ISCO, INC - 470461807	POPW11001574-01	\$ 5,735.00			10/19/2011
			TELEDYNE ISCO, INC - 470461807	POPW11001575-01	\$ 3,545.00			10/19/2011
			E & A RESTORATION INC - 113579414	CHPW09000029-01	\$ 200,000.00			11/5/2009
3B119-003	Miscellaneous Improvements to Bay Park	\$ 5,433,065.00	WHM PLUMBING & HEATING CONTRACTORS, INC. - 112731372	CHPW11000012-01	\$ 2,400,729.03	Construction		8/4/2011
			WHM PLUMBING & HEATING CONTRACTORS, INC. - 112731372	CHPW09000040-02	\$ 721,765.99	Construction		6/4/2012
			PALACE ELECTRICAL CONTRACTORS INC - 112521442	CHPW11000013-01	\$ 132,000.00	Electric		8/4/2011
			CONTINGENCY & LABOR		\$ 491,814.90	Contingency		
			D&B / LIRO, A JOINT VENTURE - 900508408	CFPW10000061-01	\$ 642,500.01	CM		1/3/2011
			MALCOLM PIRNIE, INC. - 132653703	CFPW05000036-03	\$ 255,163.00	Design		12/1/2011
			MALCOLM PIRNIE, INC. - 132653703	CFPW05000036-02	\$ 557,885.00	Design		10/21/2008
			MALCOLM PIRNIE, INC. - 132653703	CFPW05000036-01	\$ 213,750.00	Design		11/17/2005
3B119-004	Effluent Screen & Disinfection Improvements*	\$ 750,000.00	LOCKWOOD, KESSLER & BARTLETT, INC - 111015370	CFPW12000016-01	\$ 537,940.00	Design		8/2/2012
	* Project has been cancelled. Funds to be disencumbered.							
3B119-005	Primary Generators Controls Rehabilitation	\$ 18,292,275.00	OPTIMUM CONTROLS CORP. - 521437280	CHPW13000023-01	\$ 11,837,885.00	Construction	S3B119-05G	10/7/2013
			CONTINGENCY & LABOR		\$ 1,474,819.75	Contingency		10/7/2013
			HAZEN AND SAWYER PC - 132904652	CFPW12000015-01	\$ 2,000,000.00	Design		7/6/2012
			HAZEN AND SAWYER PC - 132904652	CFPW09000052-06	\$ 199,500.00	CM		11/29/2012
			NRG ENERGY SERVICES LLC - 411978725	POPW12000750-01	\$ 2,780,070.00	Purchase Order		5/15/2012
3B119-006	Bay Park Temporary Heating Hot Water Piping System	\$ 5,272,764.00	R.J. INDUSTRIES INC.- 113401288	CHPW15000022-01	\$ 3,937,700.00	Construction		9/18/2015
			CONTINGENCY & LABOR		\$ 590,655.00	Contingency		
3B119-007	Biological Nutrient Removal (BNR)	\$ 564,000.00	HAZEN AND SAWYER/ ARCADIS, JOINT VENTURE - 462610083	CFPW13000013-05	\$ 564,000.00	Design & PM		1/8/2016
3B119-008	Facility-Wide Operations and Maintenance Manual	\$ 300,000.00	HAZEN AND SAWYER/ ARCADIS, JOINT VENTURE - 462610083	CFPW13000013-06	\$ 300,000.00	PM		1/8/2016
	Total:	\$ 35,342,453.16			\$ 34,368,526.84			

Bond Ordinance Allocations								
Capital Project 3C067								
Bond Ordinance	Amount	Outside Funding	Balance					
15D-2010	\$10,100,000.00							
173-2010	\$19,242.00							
080-2011	\$17,075,000.00							
029-2014	\$18,100,000.00							
171-2014	\$8,200,000.00							
2016*	\$4,900,000.00							
Total:	\$58,394,242.00		\$19,059,910.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3C067-000	Administration (Includes Legacy Items)	\$2,834,811.00	THE GORDIAN GROUP, INC. - 581900371	CFPW09000009-03	\$ 33,600.00			12/20/2012
			POSILLICO - 111529032	CHPW06000007-02	\$ 86,130.77			3/7/2011
			BANA ELECTRIC CORP - 111780541	CHPW06000008-02	\$ 2,269.08			5/9/2011
			GEO-TECH CONSTRUCTION CORP - 61184898	CHPW06000009-02	\$ 32,360.30			7/12/2011
			SNOW INDUSTRIES - 112709735	CHPW06000010-02	\$ 3,738.40			5/9/2011
			E & A RESTORATION INC - 113579414	CHPW09000029-06	\$ 91,528.70			8/29/2011
			GEOMATRIX SERVICES & INTEGRATED HVAC - 262177594	CHPW11000024-02	\$ 600,000.00			10/26/2011
			DE BRUIN ENGINEERING PC - 205248986	CQPW11000002-02	\$ 95,480.00			8/5/2011
			LIRO ENGINEERS INC - 131974950	CQPW11000003-04	\$ 31,178.00			12/20/2012
			LIRO ENGINEERS INC - 131974950	CQPW11000003-06	\$ 7,000.00			3/19/2013
			TEK SALES INC - 160928819	POPW10001835-01	\$ 50,918.00			12/28/2010
			NRG ENERGY SERVICES LLC - 411978725	POPW11000305-01	\$ 380,200.00			3/1/2011
			GA FLEET ASSOC INC. - 132500658	POPW11000365-01	\$ 139,164.00			3/18/2011
			FISHER SCIENTIFIC COMPANY LLC - 232942737	POPW11001371-01	\$ 7,230.74			9/2/2011
			TELEDYNE ISCO, INC - 470461807	POPW11001570-01	\$ 30,600.00			10/19/2011
			TELEDYNE ISCO, INC - 470461807	POPW11001572-01	\$ 2,669.00			10/19/2011
			TELEDYNE ISCO, INC - 470461807	POPW11001576-01	\$ 5,735.00			10/19/2011
			PURFX, INC. - 061276530	POPW11001806-01	\$ 33,009.00			12/8/2011
			CENTRAL BLUEPRINT CORP. - 112003784	POPW12000131-01	\$ 2,000.00			2/17/2012
			JACOBS PROJECT MANAGEMENT CO - 352321289	CFPW13000038-03	\$ 1,200,000.00			2/19/2015
3C067-001	Influent Screens- Cedar Creek STP	\$ 15,970,181.00	MALCOLM PIRNIE, INC. - 132653703	CFPW10000056-01	\$ 877,500.00	Design		12/17/2010
			MALCOLM PIRNIE, INC. - 132653703	CFPW10000056-02	\$ 487,500.00	Design		1/18/2013
			LIRO PROGRAM & CONSTRUCTION MANAGEMENT - 113205660	CFPW13000008-01	\$ 1,317,678.00	CM		7/9/2013
			WHM PLUMBING & HEATING CONTRACTORS, INC. - 112731372	CHPW14000009 01	\$ 12,198,816.80	Construction		5/1/2014
			CONTINGENCY & LABOR		\$ 1,088,685.70	Contingency		5/1/2014
3C067-002	Grit Removal Facility Improvements- Cedar Creek STP	\$ 12,012,121.00	WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW10000063-01	\$ 643,500.00	Design		6/8/2011
			WILLIAM F COSULICH ASSOCIATES PC - 112393559	CFPW13000053-01	\$ 1,392,371.00	CM		3/12/2014
			PHILIP ROSS INDUSTRIES INC - 112707717	CHPW14000029-01	\$ 8,675,000.00	Construction		1/22/2015
			CONTINGENCY & LABOR		\$ 1,301,250.00	Contingency		1/22/2015
3C067-003	Effluent Screening & Disinfection Facility Improvements- CCSTP	\$ 18,536,463.00	CAMERON ENGINEERING & ASSOC LLP - 113313855	CFPW11000012-01	\$ 767,000.00	Design		9/19/2011
			CAMERON ENGINEERING & ASSOC LLP - 113313855	CQPW14000009-02	\$ 312,104.00	Design		1/6/2015
			R.J. INDUSTRIES INC. - 113401288	Pending	\$ 11,197,700.00	Construction		
			CONTINGENCY & LABOR		\$ 1,119,770.00	Contingency		
3C067-004	Plant Water Systems Improvements- Cedar Creek STP	\$ 2,146,640.00	MALCOLM PIRNIE, INC. - 132653703	CFPW09000050-07	\$ 27,000.00	Design		6/23/2011
			MALCOLM PIRNIE, INC. - 132653703	CQPW13000001-04	\$ 143,000.00	Design		2/19/2015
			R.J. INDUSTRIES INC. - 113401288	CHPW15000001-01	\$ 1,476,689.57	Construction		3/9/2015
			CONTINGENCY & LABOR		\$ 187,846.88	Contingency		3/9/2015
3C067-005	Electrical Distribution System Improvements- Cedar Creek STP	\$ 9,998,121.00	CAMERON ENGINEERING & ASSOC LLP - 113313855	CFPW14000063-01	\$ 555,750.00	Design		2/17/2015
N/A	Cedar Creek WPCP Gas Blending	TBD						
3C067-006	Sludge Reduction: Cedar Creek WPCP Centrifuges	\$ 5,050,000.00	POSILLICO CIVIL, INC.	CHPW15000025-02	\$ 1,900,000.00	Construction		
			CONTINGENCY & LABOR		\$ 285,000.00	Contingency		
3C067-007	Primary Sedimentation Tanks Rehabilitation- Cedar Creek STP	\$ 16,035,936.00						
3C067-008	Final Sedimentation Tanks Rehabilitation- Cedar Creek STP	\$ 15,566,471.00						
3C067-009	Aeration System Improvements- Cedar Creek STP	\$ 15,652,951.00						
3C067-010	Raw Sewage Pump Replacement- Cedar Creek STP	\$ 17,721,068.00						
3C067-100	Master Plan	\$ 350,000.00						
	Total:	\$131,874,763.00			\$ 48,788,972.94			

Bond Ordinance Allocations								
Capital Project 35107								
Bond Ordinance	Amount	Outside Funding	Balance					
52-2007	\$750,000.00							
080-2011	\$2,500,000.00							
Total:	\$3,250,000.00		\$533,645.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35107-001	East Hills Pump Stations	\$ 2,590,741.00	H2M ARC & ENG, LAND SURVEY ARC, D.P.C - 112235604	CFPW09000033-01	\$ 236,400.01	Design		10/20/2009
			DE BRUIN ENGINEERING PC - 205248986	CQPW11000002-05	\$ 249,000.00	CM		6/28/2012
			DE BRUIN ENGINEERING PC - 205248986	CQPW11000002-07	\$ 32,000.00	CM		11/3/2014
			DE BRUIN ENGINEERING PC - 205248986	CQPW14000011-02	\$ 89,645.00	CM		5/8/2015
			PHILIP ROSS INDUSTRIES INC - 112707717	CHPW13000007-01	\$ 1,250,001.50	Construction		7/2/2013
			BANA ELECTRIC CORP - 111780541	CHPW13000008-01	\$ 476,466.00	Electric		7/2/2013
			CONTINGENCY & LABOR		\$ 217,032.50	Contingency		7/2/2013
	Total:	\$ 2,590,741.00			\$ 2,550,545.01			
Capital Project 35117								
Bond Ordinance	Amount	Outside Funding	Balance					
15N-2010	\$500,000.00							
080-2011	\$6,000,000.00							
101-2013	\$4,000,000.00							
029-2014	\$750,000.00							
Total:	\$11,250,000.00		\$10,477,021.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35117-002	Environmental Facilities System-Wide SCADA	\$ 1,000,000.00	CAMP DRESSER & MCKEE INC - 42473650	CFPW13000001-01	\$ 713,700.00	Design		9/13/2013
			BEAU DIETL & ASSOCIATES - 112760328	CFPW11000022-01	\$ 24,947.00	Security Evaluation		9/7/2011
35117-003	Cedar Creek WPCP SCADA Upgrade	\$ 5,806,509.00						
35117-004	Bay Park STP SCADA Upgrade	\$ 3,167,600.00						
35117-005	Glen Cove WWTP SCADA Upgrade	\$ 2,590,756.00						
	Total:	\$ 12,564,865.00			\$ 738,647.00			
Capital Project 3B116								
Bond Ordinance	Amount	Outside Funding	Balance					
2003	\$750,000.00							
080-2011	\$4,500,000.00							
171-2014	\$46,655,469.00							
Total:	\$51,905,469.00		\$46,416,531.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3B116-001	Ocean Outfall Study	\$ 300,000.00	CH2M HILL INC.	CFPW11000056-01	\$ 257,500.00	Study		2/27/2012
			MATERIALS TESTING LAB INC	CFPW03000039-01	\$ 1,900.00	Testing		10/29/2003
3B116-002	Ocean Outfall	\$ 340,100,000.00						
	Total:	\$ 340,400,000.00			\$ 259,400.00			

Bond Ordinance Allocations								
Capital Project 3B117								
Bond Ordinance	Amount	Outside Funding	Balance					
2003	\$ 350,000.00							
35B-2005	\$ 205,000.00							
52-2007	\$ 7,550,000.00							
012-2009	\$ 2,000,000.00							
080-2011	\$ 1,400,000.00							
Total:	\$11,505,000.00		\$170,518.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3B117-000	Administration (Includes Legacy Items)	\$ 8,000.00	CENTRAL BLUEPRINT CORP.	POPW09000662-01	\$ 6,000.00	Printing		4/16/2009
			MT GROUP, LLC	CFPW09000001-25	\$ 2,000.00	Material Testing		4/15/2010
3B117-001	Bay Park STP Influent Pumping System	\$ 10,000,000.00	D&B / LIRO, A JOINT VENTURE	CFPW09000031-01	\$ 2,000,000.01	CM		10/27/2009
			ELDOR CONTRACTING CORPORATION	CHPW09000041-01	\$ 695,143.37	Construction	S3B117E	12/2/2009
			WHM PLUMBING & HEATING CONTRACTORS, INC.	CHPW09000040-01	\$ 7,132,585.03	Construction	S3B117G	12/2/2009
			WILLIAM F COSULICH ASSOCIATES PC	CFPW04000055-01	\$ 912,100.00	Design		9/17/2004
	Total:	\$ 10,008,000.00			\$ 10,747,828.41			
Capital Project 3C057								
Bond Ordinance	Amount	Outside Funding	Balance					
1994	\$ 1,420,000.00							
012-2004	\$ 27,540,000.00							
36A-2006	\$ 8,457,635.00							
012-2009	\$ 797,121.00							
171-2009	\$ 1,300,000.00							
080-2011	\$ 800,000.00							
Total:	\$40,314,756.00		\$390,848.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
3C057-000	Administration (Includes Legacy Items)	\$ 87,630.51	MALCOLM PIRNIE, INC.	CNTEPW3C057C-01	\$ 30,136.00			5/2/1999
			MT GROUP, LLC	CFPW09000001-16	\$ 11,540.00			7/24/2009
			MATERIALS TESTING LAB INC	CFPW06000054-01	\$ 19,454.51			1/29/2007
			CENTRAL BLUEPRINT CORP.	POPW04002269-01	\$ 14,500.00			8/17/2004
			CENTRAL BLUEPRINT CORP.	POPW05000872-01	\$ 12,000.00			4/15/2005
3C057-001	Cedar Creek Sludge Dewatering Facility	\$ 40,500,000.00	CAMP DRESSER & MCKEE INC	CFPW02000010-01	\$ 1,657,532.00	Design		10/7/2002
			A JAMES DE BRUIN & SONS LLP	CFPW05000008-04	\$ 1,352,748.00	CM		10/25/2005
			DE BRUIN ENGINEERING PC	CFPW07000049-02	\$ 2,053,000.00	CM		4/16/2008
			POSILLICO	CHPW06000007-01	\$ 27,255,044.78	Construction		6/16/2006
			BANA ELECTRIC CORP	CHPW06000008-01	\$ 3,874,870.87	Construction		6/16/2006
			GEO-TECH CONSTRUCTION CORP	CHPW06000009-01	\$ 2,076,224.49	Construction		6/16/2006
			SNOW INDUSTRIES	CHPW06000010-01	\$ 962,547.23	Construction		6/16/2006
	Total:	\$ 40,587,630.51			\$ 39,319,597.88			
Capital Project 35102								
Bond Ordinance	Amount	Outside Funding	Balance					
36A-2006	\$ 1,500,000.00							
52-2007	\$ 1,000,000.00							
012-2009	\$ 500,000.00							
Total:	\$3,000,000.00		\$1,935,209.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35102-001	SSW Buildings Roof Rehabilitation	\$ 1,000,000.00	L MARTONE & SONS INC	CHPW05000010 25	\$ 150,000.00			1/25/2007
			L MARTONE & SONS INC	CHPW05000010 34	\$ 78,110.00			8/9/2007
			L MARTONE & SONS INC	CHPW06000022 01	\$ 498,885.00			9/11/2006
			L MARTONE & SONS INC	CHPW08000019 02	\$ 140,000.00			6/3/2008
			L MARTONE & SONS INC	CHPW08000019 19	\$ 35,000.00			7/13/2010
			L MARTONE & SONS INC	CHPW08000019 26	\$ 20,000.00			7/25/2012
			L MARTONE & SONS INC	CHPW08000019 38	\$ 25,000.00			6/28/2013
			L MARTONE & SONS INC	CHPW08000019 43	\$ 117,116.85			
			LABOR		\$ 53,205.59			-
	Total:	\$ 1,000,000.00			\$ 1,117,317.44			

Bond Ordinance Allocations								
Capital Project 35108								
Bond Ordinance	Amount	Outside Funding	Balance					
36A-2006	\$ 1,500,000.00							
52-2007	\$ 1,000,000.00							
012-2009	\$ 500,000.00							
080-2011	\$ 1,050,000.00							
107-A-2013	\$ 500,000.00							
Total:	\$4,550,000.00		\$1,915,395.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35108-000	Administration (Includes Legacy Items)	\$ 2,693,081.71	E & A RESTORATION INC	CHPW07000022 03	\$ 204,551.48			11/7/2007
			ALL SERVICE ELECTRIC INC.	CHPW07000023 04	\$ 18,700.00			11/15/2007
			ALL SERVICE ELECTRIC INC.	CHPW07000023 10	\$ 18,000.00			2/22/2008
			HI TECH AIR CONDITIONING SERVICE INC	CHPW07000024 06	\$ 69,980.00			4/16/2008
			WILLIAM F COSULICH ASSOCIATES PC	CFPW07000048 02	\$ 60,000.00			5/7/2008
			DE BRUIN ENGINEERING PC	CFPW07000049 03	\$ 45,000.00			7/11/2008
			E & A RESTORATION INC	CHPW08000027 04	\$ 200,771.00			7/30/2008
			LYNBROOK PLUMBING & HEATING INC	CHPW08000022 14	\$ 39,838.00			2/24/2009
			ALL SERVICE ELECTRIC INC.	CHPW08000033 06	\$ 19,600.00			2/25/2009
			ALL SERVICE ELECTRIC INC.	CHPW08000033 10	\$ 229,660.00			2/26/2009
			THE SHERWIN WILLIAMS COMPANY	POPW09000770 01	\$ 1,197.96			4/8/2009
			TAUB'S CARPET & TILE CORP.	POPW09000819 01	\$ 16,247.35			4/8/2009
			OZONE PARK LUMBER	POPW09000882 01	\$ 529.80			4/10/2009
			METROPOLITAN DOOR INDUSTRIES CORP	POPW09000910 01	\$ 350.00			4/17/2009
			HI TECH AIR CONDITIONING SERVICE INC	CHPW09000003 03	\$ 71,700.42			5/5/2009
			GLASS GUYS CORP.	POPW09000959 01	\$ 1,990.00			5/6/2009
			THE SHERWIN WILLIAMS COMPANY	POPW09001122 01	\$ 66.52			5/27/2009
			GLOBAL INDUSTRIES, INC.	POPW09001292 01	\$ 4,092.10			6/17/2009
			HUMANSCALE CORPORATION	POPW09001294 01	\$ 5,851.50			6/17/2009
			THE HON COMPANY	POPW09001278 01	\$ 110,371.31			6/19/2009
			HI TECH AIR CONDITIONING SERVICE INC	CHPW07000024 16	\$ 399,000.00			8/12/2009
			LYNBROOK PLUMBING & HEATING INC	CHPW08000022 16	\$ 24,000.00			8/13/2009
			E & A RESTORATION INC	CHPW08000027 11	\$ 68,894.00			8/13/2009
			ALL SERVICE ELECTRIC INC.	CHPW08000033 09	\$ 56,000.00			8/13/2009
			E & A RESTORATION INC	CHPW09000029 02	\$ 50,000.00			11/5/2009
			LYNBROOK PLUMBING & HEATING INC	CHPW08000022 05	\$ 10,335.27			11/9/2009
			HI TECH AIR CONDITIONING SERVICE INC	CHPW09000003 05	\$ 485,856.00			11/17/2009
			ABC OFFICE PRODUCTS, INC.	POPW10000859 01	\$ 552.00			5/7/2010
			BARJAN MANUFACTURING LTD	POPW10000958 01	\$ 834.00			5/25/2010
			BARJAN MANUFACTURING LTD	POPW10000982 01	\$ 1,443.75			5/27/2010
			CAMERON ENGINEERING & ASSOC LLP	CFPW09000051 04	\$ 75,450.00			7/27/2010
			MALCOLM PIRNIE, INC.	CFPW09000050 04	\$ 20,000.00			8/18/2010
			LYNBROOK PLUMBING & HEATING INC	POPW12000758 06	\$ 5,255.25			5/16/2012
			DE BRUIN ENGINEERING PC	CQPW11000002 04	\$ 355,157.00			6/28/2012
			LESLIE DIGITAL IMAGING	POPW12001227 01	\$ 21,807.00			10/3/2012
35108-001	Job Order Contract	\$ 211,200.00	GEOMATRIX SERVICES & INTEGRATED HVAC	CHPW11000024-04	\$ 200,000.00	JOC Contractor		1/10/2013
			THE GORDIAN GROUP, INC.	CFPW09000009 05	\$ 11,200.00	JOC Design		11/26/2013
	Total:	\$ 2,904,281.71			\$ 2,904,281.71			
Capital Project 35109								
Bond Ordinance	Amount	Outside Funding	Balance					
171-2014	\$ 4,241,406.00							
Total:	\$4,241,406.00		\$3,573,506.00					
Sub-Project	Project Name	Budget	Vendor	Encumbrance Number	ENC Amount	Service	Contract	ENC Date
35109-001	Long Beach Diversion- Design	\$ 4,425,000.00	HAZEN AND SAWYER/ ARCADIS, JOINT VENTURE - 462610083	CFPW13000013-07	\$ 425,000.00	PM		
			CAMERON ENGINEERING & ASSOC LLP - 113313855	CQPW13000004-07	\$ 242,000.00	Design Austin Blvd		
	Total:	\$ 4,425,000.00			\$ 667,000.00			

APPENDIX D

Schedule Summary Report

Project Number: Title	Planning/ Conceptual Design	Procurement: Design Services	Detailed Design	Bid Opening	Construction NTP	Construction Completion
35121:001-Final Settling Tanks			7/12/2013	8/13/2013	10/23/2013	5/13/2016
35121:003-Raw Sewage Pumps	2/23/2015	3/1/2016	9/26/2016	11/8/2016	2/6/2017	2/5/2019
35121:011-Effluent Screening & Disinfection	1/9/2016	7/1/2016	4/27/2017	6/6/2017	5/4/2017	5/18/2019
35121:012-Effluent Tide Pumping Building	2/27/2014	12/8/2014	7/7/2015	9/15/2015	6/30/2016	9/28/2018
35121:014E-Electrical Distribution Systems- Phase 2			8/18/2014	10/14/2014	5/11/2015	5/23/2017
35121:016G-Secondary Flood Protection and Hardening of Critical Facilities	10/29/2015	6/30/2016	1/26/2017	3/14/2017	6/12/2017	12/13/2018
35121:016M-Bay Park Park Maintenance Building						
35121:018-Plant Boundary Alternative- Stormwater	4/17/2014	11/10/2014	8/28/2015	10/6/2015	5/31/2016	6/29/2018
35123:L32-Sludge Dewatering Facility Flood Repair and Mitigation	12/31/2013	7/7/2014	4/3/2015	5/19/2015	12/7/2015	6/6/2018
35123:L33001-Electrical Distribution Systems- Phase 1			12/11/2013	2/6/2014	5/27/2014	7/12/2016
35123:L33003-Electrical Distribution Systems- Phase 3			2/9/2015	4/21/2015	10/5/2015	12/6/2018
35123:L33004-Electrical Distribution Systems- Phase 4			9/28/2017	11/7/2017	2/5/2018	8/8/2019
35123:L35-Perimeter Flood Protection (Dike)			12/17/2013	3/18/2014	5/27/2014	11/27/2016
35123:L36-Bay Park STP Chemical Reduction/ UV Disinfection	2/4/2015	2/5/2015	9/29/2017	11/7/2017	2/5/2018	10/30/2019
3P311:001-Dock Place & Southland Drive			7/19/2013	8/20/2013	10/28/2013	7/31/2016
3P311:002-Cedar Dr, Roosevelt, Whitewood, Biltmore & Alhambra	1/28/2014	9/23/2014	3/26/2015	5/12/2015	3/3/2016	9/1/2017
3P311:003-Wantagh Pkwy, Newbridge Rd, Merrick Rd & Ray St	1/28/2014	9/23/2014	4/13/2015	6/2/2015	3/3/2016	8/24/2017
3P311:004-Felix Ct, Fox Rd, Northern Blvd & Grand Ave	2/27/2014	9/17/2014	3/13/2015	4/21/2015	11/15/2015	3/14/2017
3P311:005-Millar St, Mott St, Long Beach Rd, Royal Ave & Lido Blvd	3/27/2014	12/1/2014	5/1/2015	6/23/2015	11/15/2015	6/20/2017
3P311:006-Ocean Ave, Mill Rd, Woodmere Blvd, Longacre Ave & Doxey Bk	4/25/2014	4/15/2015	9/17/2015	10/27/2015	6/30/2016	12/31/2017
3P311:007-East Ave, Inwood, Doughty Blvd, Bayview Ave & Roslyn Rd	5/28/2014	5/13/2015	11/16/2015	12/22/2015	6/30/2016	12/31/2017
3P311:009-Barnes Avenue SSO/ Village of Hempstead Flow Diversion	12/20/2013	5/29/2014	6/24/2015	8/18/2015	4/25/2016	7/28/2017
3P311:010-Lawrence (STP) & Sage Lake Pump Stations	9/12/2014	9/15/2015	3/8/2016	5/17/2016	8/15/2016	2/15/2018
3P312:001-Repairs to Various Pump Stations	9/23/2014	4/18/2016	11/16/2016	4/4/2017	4/5/2017	5/29/2018
3P312:002-Central, Dana & Long Meadow Pump Station - Glen Cove	9/23/2014	11/24/2015	3/16/2016	8/4/2016	8/5/2016	9/29/2017
3P312:003-Roslyn Village Pump Replacement - Cedar Creek		9/5/2014	6/19/2015	6/23/2015	10/29/2015	4/25/2016
3P312:004-Harwood & Southridge Pump Station- Glen Cove	1/4/2016	5/20/2016	2/24/2017	7/14/2017	7/17/2017	9/7/2018
3P312:005-Knott, Morgan & Viola Pump Station- Glen Cove	1/2/2017	5/19/2017	2/23/2018	7/13/2018	7/16/2018	9/6/2019

Thursday, June 30, 2016

Schedule Summary Report

Project Number: Title	Planning/ Conceptual Design	Procurement: Design Services	Detailed Design	Bid Opening	Construction NTP	Construction Completion
3P312:006-Franklin, Shore & Titus Pump Station- Glen Cove	1/1/2018	5/18/2018	2/22/2019	7/12/2019	7/15/2019	9/4/2020
3P312:007-Glengarrif & Woodland Pump Station- Glen Cove	1/7/2019	5/24/2019	2/28/2020	7/17/2020	7/20/2020	9/10/2021
3P312:008-Pelican Pond & Cold Spring Pump Station - Cedar Creek	1/2/2019	5/21/2019	2/25/2020	7/14/2020	7/15/2020	9/7/2021
3P312:009-Bernice Roslyn Village & Mallard Pump Station- Cedar Creek	1/2/2020	5/20/2020	2/24/2021	7/14/2021	7/15/2021	9/7/2022
3P312:010-Cedarhurst, Causeway & Falmouth Pump Station - Bay Park	1/2/2020	5/20/2020	2/24/2021	7/14/2021	7/15/2021	9/7/2022
3P312:011-Boden & East Williston Pump Station- Bay Park	1/1/2020	5/19/2020	2/23/2021	7/13/2021	7/14/2021	9/6/2022
3P312:012-Pump Stations SCADA Upgrades		10/14/2014	7/7/2015	12/1/2015	1/10/2016	4/6/2017
35116:001-Odor Control Improvements- Bay Park STP & Cedar Creek STP				8/20/2013	10/23/2013	4/30/2016
3B120:001-Influent Screening Facility Improvements				11/26/2013	5/27/2014	10/5/2016
3B120:002-Grit Removal Facility Improvements	10/20/2010	12/28/2010	2/12/2014	4/1/2014	4/20/2015	7/18/2017
35114:001-Interim Sludge Thickening Facility Improvements - Bay Park STP			1/31/2011	3/1/2011	10/24/2011	7/19/2014
35114:002-Primary Settling Tank- Bay Park STP				3/4/2011	8/1/2011	1/15/2015
35114:003-Sludge Thickening Facility Improvements- Bay Park STP				8/20/2013	10/24/2013	10/28/2016
35114:004-Primary and Secondary Clarifiers- Glen Cove STP			2/26/2015	4/14/2015	5/4/2016	11/3/2017
35114:005-Electrical Service Relocation- Glen Cove STP			1/13/2012	2/21/2012	8/1/2013	8/30/2015
35114:006-Sludge Dewatering Facility- Glen Cove STP	12/2/2015	1/6/2016	10/1/2016	10/13/2016	3/27/2017	2/23/2018
35114:007-Process Blower & PBS Tank Replacement- Glen Cove STP			7/27/2012	8/28/2012	5/19/2014	5/16/2016
35114:008-Aeration Tank Baffle Wall Replacement-Glen Cove STP			2/14/2014	3/25/2014	6/8/2015	6/6/2016
35114:009-Efficiency Capital Improvements- Design	2/4/2015	2/5/2015	9/30/2015			
35114:010-Cedar Creek Onsite Sodium Hypochlorite Generation Facility	2/4/2015	2/5/2015	10/9/2015	12/8/2015	1/24/2016	10/13/2017
35114:011-Energy Reduction- Organic Rankin Cycle at Bay Park STP	2/4/2015	2/5/2015	9/23/2015	11/4/2015	1/13/2016	1/26/2017
35100:001-Digester Rehabilitation & Cleaning- Bay Park STP				2/14/2013	5/20/2013	4/25/2016
35100:002-Digester Rehabilitation & Cleaning Cedar Creek STP		9/13/2013	6/20/2014	8/12/2014	4/20/2015	7/30/2017
35100:003-Digester Gas Sphere Rehab- Bay Park & Cedar Creek STP		9/13/2013	8/1/2015	11/17/2015		
3B119:003-Miscellaneous Improvements to Bay Park STP			8/18/2009	8/10/2010	9/1/2010	9/30/2016
3B119:005-Primary Generators Controls Rehabilitation- Bay Park STP				7/17/2013	10/21/2013	10/31/2016
3C067:001-Influent Screens- Cedar Creek STP			8/30/2013	10/1/2013	7/15/2014	11/11/2016
3C067:002-Grit Removal Facility Improvements- Cedar Creek STP			12/13/2013	1/21/2014	4/20/2015	8/17/2017

Thursday, June 30, 2016

Schedule Summary Report

Project Number: Title	Planning/ Conceptual Design	Procurement: Design Services	Detailed Design	Bid Opening	Construction NTP	Construction Completion
3C067:003-Effluent Screening & Disinfection Facility Improvements- Cedar Creek STP		9/19/2011	10/15/2015	12/22/2015	7/11/2016	4/30/2018
3C067:004-Plant Water Systems Improvements- Cedar Creek STP		6/23/2011	7/7/2014	8/12/2014	4/20/2015	10/19/2015
3C067:005-Electrical Distribution System Improvements- Cedar Creek STP	5/30/2014	2/17/2015	8/31/2015	10/6/2015	1/4/2016	1/3/2017
3C067:006-Sludge Reduction: Cedar Creek WPCP Centrifuges	2/4/2015	2/5/2015	11/23/2015	1/19/2016	7/23/2016	7/23/2017
35107:001-East Hills Pump Stations	3/16/2009	3/1/2010	10/20/2011	12/13/2011	8/20/2013	4/23/2016
35117:002-Environmental Facilities System-Wide SCADA		9/13/2013				
35117:003-Cedar Creek WPCP SCADA Upgrades		12/17/2015	9/2/2016	10/6/2016	1/10/2017	12/4/2017
35117:004-Bay Park STP SCADA Upgrades		8/8/2016	2/28/2017	4/15/2017	7/5/2017	5/29/2018
35117:005-Glen Cove WWTP SCADA Upgrades		2/1/2017	8/23/2017	9/24/2017	12/28/2017	11/21/2018