

**Nassau County Legislature
Office of Legislative Budget Review**

**Review of the
Proposed 2013 Capital Budget
and
2014-2016 Out-Year
Capital Improvement Plan**



Maurice Chalmers,
Director, Office of Legislative
Budget Review

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Inter-Departmental Memo

To: Hon. Norma Gonsalves, Presiding Officer
Hon. Kevan Abrahams, Minority Leader
All Members of the Nassau County Legislature

From: Maurice Chalmers, Director
Office of Legislative Budget Review

A handwritten signature in blue ink, appearing to be "MC", written over a circular scribble.

Date: June 21, 2013

Re: 2013 Capital Budget and 2013-2016 Capital Improvement Plan

Enclosed is an overview of the proposed 2013 Capital Budget and Four Year Capital Improvement Plan (CIP). The enclosed document provides an economic impact analysis, and an overview of prior capital spending as well as the proposed spending.

If my office can be of any further assistance, please let me know.

The Office of Legislative Budget Review (OLBR) has completed its review of The Proposed 2013-2016 Capital Improvement Plan (CIP). OLBR’s report will analyze, by industry, the economic impact of the Proposed Capital Plan. This report will also detail by category historical capital spending, proposed spending in 2013 and in the out-years. The table below depicts the overall fiscal and economic impact of the proposed plan.

Table 1

Tally of Proposed 2013 to 2016 Capital Improvement Plan				
	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Projects	121	98	73	55
Funding	\$549.8	\$628.5	\$185.3	\$137.4
Jobs	3,398	4,067	1,218	877
* out-year job figures use construction multipliers				

As reflected in the chart above, the plan contains \$549.8 million in County and non-County funding for 121 projects in 2013. The increased level of funding is being requested to address the critical needs, repairs and damages from Superstorm Sandy. A portion of this funding will be reimbursed by FEMA (Federal Emergency Management Agency). It is our understanding that separate project detail codes are set up in the capital projects for expenses related to Superstorm Sandy repairs and FEMA reimbursements. Any reimbursement associated with these costs will be recorded by Department of Public Works (DPW) in the capital project as receivables for reimbursement due from the Federal Government.

The project receiving the greatest portion of the debt is Wastewater Facilities Storm Restoration (35121) with a proposed 2013 budget of \$285.0 million which will restore the Bay Park Sewage Treatment Plant which was severely compromised by flooding during Superstorm Sandy. As a result of the increased level of funding, OLBR estimates that the increased level of Capital spending would generate 3,398 jobs in Nassau County.

Historic Actual Capital Spending

Table 2 details the historical spending by project category for all funding sources as reported in the County Comptroller’s Comprehensive Annual Financial Report (CAFR). It is OLBR’s understanding that there will be a re-allocation of expenses for the fiscal years 2010 and 2011. However the new figures are not available at this time.

Table 2

5 Year Actual Capital Improvements Spending in millions							
	2007	2008	2009	2010	2011	5 Yr Total	% of Total
Roads	\$23.4	\$28.4	\$27.2	\$14.8	\$13.6	\$107.4	11.3%
Public Safety	20.2	13.7	14.8	25.9	24.6	99.2	10.5%
Parks	4.8	9.9	12.3	9.7	4.8	41.5	4.4%
Building Improvements	8.1	6.0	7.2	8.2	12.4	41.9	4.4%
Infrastructure and Community Development	6.3	10.8	12.7	40.5	31.8	102.1	10.8%
Traffic	5.6	7.0	12.7	11.9	11.4	48.6	5.1%
IT / Technology	5.7	15.6	14.0	21.1	20.2	76.6	8.1%
Property Acquisition	0.7	0.4	0.2	1.3	1.7	4.3	0.5%
Miscellaneous	0.0	2.2	0.7	0.0	0.0	2.9	0.3%
Equipment	4.8	3.4	1.9	3.1	1.9	15.1	1.6%
Transportation	0.0	0.0	0.0	4.4	3.7	8.1	0.9%
General Capital Total	79.6	97.4	103.7	140.9	126.1	547.7	57.8%
Real Estate Consolidation Program	29.5	34.0	32.5	27.4	10.2	133.6	14.1%
Sewers & Storm Water Improvements	20.9	31.8	37.1	43.9	31.7	165.4	17.4%
Open Space Property Purchases	17.0	29.8	26.6	0.0	0.0	73.4	7.7%
Environmental Bond Act	0.0	1.5	3.9	15.3	7.5	28.2	3.0%
Total Capital Improvements	\$147.0	\$194.5	\$203.8	\$227.5	\$175.5	\$948.3	100.0%

Source: Comptroller's Comprehensive Annual Financial Reports (CAFR)

Over the past five years a total of \$948.3 million has been spent by Nassau County and the Nassau County Sewer and Storm Water Finance Authority on capital improvements.

Planned 2013 and Out-Year Capital Spending

Table 3

Proposed 2013-2016 Capital Improvement Plan Spending by Fund					
	2013	2014	2015	2016	4 Year Total
General Capital	\$167.0	\$269.0	\$135.3	\$87.4	\$658.7
Building Consolidation Program	2.0	1.0	2.0	1.0	6.0
Sewer and Storm Water Resource District	380.8	358.5	48.0	49.0	836.2
Environmental Bond Act	0.0	0.0	0.0	0.0	0.0
Total	\$549.8	\$628.5	\$185.3	\$137.4	\$1,500.9

Out of the proposed \$549.8 million 2013 spending, \$513.7 million will be debt funded and \$36.1 million will be derived from non-County sources. The 2013 County operating budget assumed a lower amount, \$265.0 million, of borrowing for general capital and sewer and storm water resource projects in its Adopted Multi-Year Financial Plan. However, it is important to note that Superstorm Sandy rehabilitation work was not included, since the plan was proposed before the storm. This should be addressed in future County financial documents. Superstorm Sandy made land fall on Long Island on October 29, 2012.

Table 4 details the anticipated debt issuance by category initially built into the County’s Adopted Multi-Year Financial Plan.

Table 4

2013 to 2016 Multi-Year Plan Debt Issuance Assumptions by Category					
Categories	2013	2014	2015	2016	Total
General Capital	\$110.0	\$110.0	\$110.0	\$110.0	\$465.5
Sewer and Storm Water Resource District	125.0	50.0	50.0	50.0	171.8
Environmental Bond Act	0.0	0.0	0.0	0.0	0.0
Judgments & Settlements	0.0	0.0	0.0	0.0	60.0
Termination Costs	30.0	0.0	0.0	0.0	0.0
Total	\$265.0	\$160.0	\$160.0	\$160.0	\$697.3

Table 5 illustrates the estimated debt service costs associated with the \$549.8 million in proposed 2013 capital spending. The actual debt service costs will be a function of the period of probable usefulness (PPU) of the projects. The amortization of the issuance is tied to the PPU of the projects.

Table 5

Estimated Debt Service Costs Associated with 2013 Proposed Capital Spending			
Results	10 Years	15 Years	20 Years
Average Annual Debt Service Cost	\$71,131,891	\$53,148,466	\$44,156,754
Total Interest Cost	\$161,507,192	\$247,415,274	\$333,323,355
Total Principal and Interest Cost	\$711,318,911	\$797,226,993	\$883,135,074

The proposed 2013-2016 CIP includes 17 new projects which are listed in table 6 below.

Table 6

2013-2016 New Projects with all Funding Sources				
Category	Project	Project Title	2013	2014-2016
Buildings	90405	Various County Facilities - Demolition	2.5	1.5
Buildings	90629	Various County Fuel Station Upgrades	1.5	1.5
Equipment	98063	DPW Fleet Service Equipment	0.3	0.0
Infrastructure	70100	NCC Foundation House	0.1	0.0
Infrastructure	70101	NCC IT Infrastructure and Equipment Upgrades	1.0	0.0
Parks	41869	Various Park Improvements	2.0	6.0
Public Safety	14007	Med Exam Crime Lab Equipment	0.5	0.1
Public Safety	14008	Nassau County Crime Lab	9.0	39.0
Public Safety	50628	Police Department Dual Rotor Helicopter	1.0	11.0
Traffic	62175	VMS Signs Phase I	2.7	2.4
Traffic	62181	Signal Communications Phase II	0.4	7.5
Traffic	62194	Traffic Management Center Upgrades	0.2	0.2
Transportation	91083	NICE - Matching Grant	4.0	0.0
Transportation	91084	NICE - Matching Grant	0.0	5.8
Transportation	91086	NICE - Matching Grant	0.0	5.0
Transportation	91087	NICE - Matching Grant	0.0	6.9
Transportation	92033	Hub Development Fund	2.0	0.0

The proposed 2013 Capital Budget includes funding for 17 new general projects. A project was considered eligible for capital funds if its total cost was over \$100,000 or its useful life was greater than five years. Included in the new projects are the Nassau County Crime Lab (14008) and the Medical Examiner Crime Lab Equipment (14007) under the Public Safety category. There are four NICE grant

matching projects, which represent bus purchases under the Transportation Category. In the Parks category, the Various Parks Improvements (41869) will allow for a variety of park improvements, such as enhancements to campgrounds, cabanas, and miniature golf/shop at Nickerson Beach. There will also be playground rehabilitations at Christopher Morley, Wantagh, Nickerson, Grant, and Woodmere parks.

The \$549.8 million in 2013 proposed capital funding includes 121 projects of which 91 are solely County funded projects, 9 are non-County funded and 21 are jointly funding projects. Table 7 details these projects by category.

Table 7

Category	# Projects	2013 Funding
Building Consolidation Program	2	2.0
Buildings	11	32.3
Collection	3	31.9
Disposal	9	346.5
Equipment	3	2.9
Infrastructure	6	8.7
Parks	5	8.0
Property	1	2.0
Public Safety	18	25.6
Roads	6	10.0
Storm Water	3	1.7
Technology	9	8.5
Traffic	11	6.9
Transportation	4	6.2
Total County Funded	91	\$492.9
Buildings	1	0.0
Disposal	1	0.1
Equipment	2	0.1
Infrastructure	3	1.1
Parks	1	0.0
Traffic	1	1.7
Total Non County	9	\$3.1
Buildings	1	0.8
Equipment	1	3.4
Infrastructure	12	18.9
Roads	1	21.5
Storm Water	1	0.6
Traffic	3	7.2
Transportation	2	1.5
Total Both County & Non County	21	\$53.9
Grand Total	121	\$549.8

Table 8 details the proposed 2013 Capital Plan projects with funding levels of \$1.0 million or higher.

Table 8

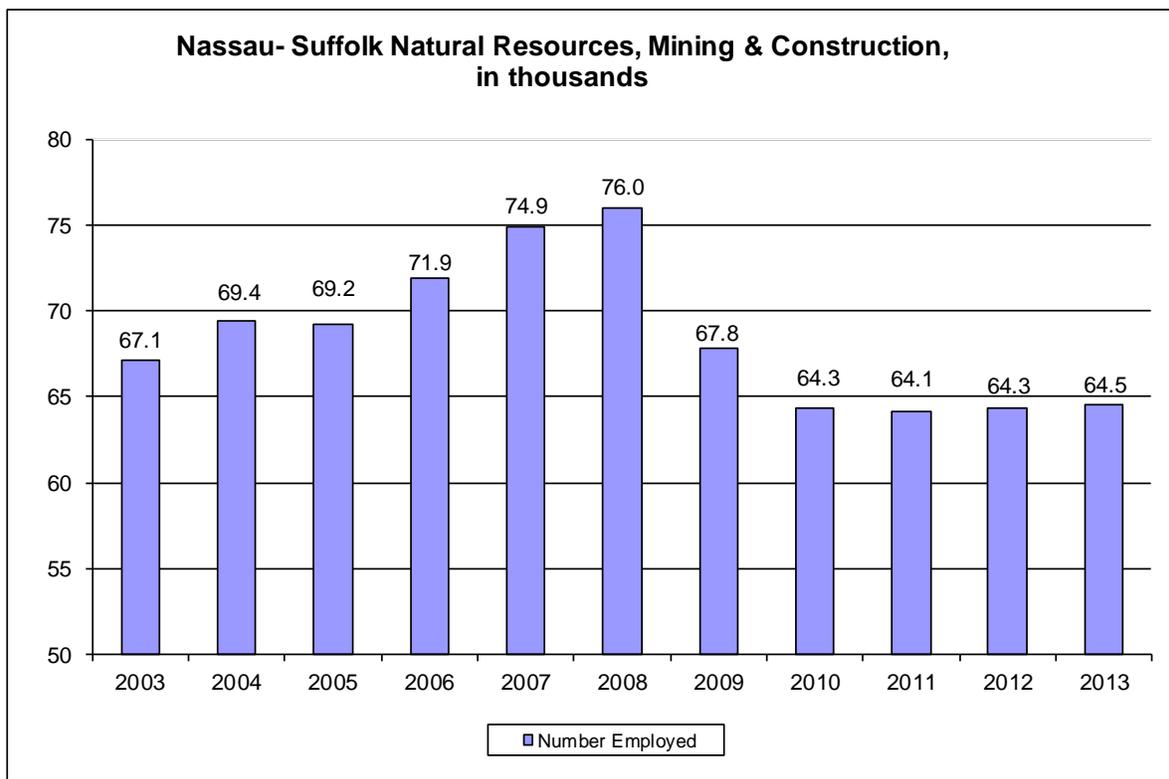
Category	Project Number	Project Title	2013 County Debt in millions
Disposal	35121	Wastewater Facilities Storm Restoration	285.0
Collection	3P311	Pump Station Rehabilitation	30.4
Disposal	35116	Wastewater Facilities Odor Control Improvements	17.0
Buildings	90632	Family & Matrimonial Court	15.0
Disposal	35114	Wastewater Facilities Improvements	11.0
Disposal	3C067	Cedar Creek Equipment Replacement	10.0
Public Safety	14008	Nassau County Crime Lab	9.0
Roads	6179A	West Shore Road, Mill Neck	8.3
Disposal	3B119	Bay Park Various Buildings and Equipment Modifications	8.0
Disposal	35100	Bay Park & Cedar Creek Digester Rehabilitation	7.0
Buildings	90622	Hempstead Garage Improvements	5.0
Infrastructure	99206	Various County Projects	5.0
Disposal	35117	Wastewater Facilities Security Improvements	4.0
Disposal	3B120	Bay Park Preliminary Treatment Modifications	4.0
Transportation	91083	NICE - Matching Grant	4.0
Roads	61587	Resurfacing Various County Roads	3.5
Equipment	98105	Fleet Management Lifecycle Vehicle Replacement	3.3
Traffic	62017	Traffic Signal Construction & Modification - Phase VII	3.3
Technology	97113	Departmental Technology Equipment Replacement	3.1
Public Safety	50688	Fire Police EMS Academy	3.0
Buildings	90400	Various County Facilities - General Construction	2.5
Buildings	90405	Various County Facilities - Demolition	2.5
Infrastructure	70089	NCC Space Consolidation	2.5
Parks	41861	Various County Park Buildings - Infrastructure Improvements	2.5
Public Safety	50680	Police Department Precincts & Auxiliary Precincts Renovation and Modernization	2.5
Traffic	62455	Traffic Signal Expansion Phase V	2.2
Infrastructure	66050	Requirements Contract Curbs and Sidewalks	2.0
Infrastructure	81060	County Storage Tank Replacement Program	2.0
Parks	41869	Various Park Improvements	2.0
Property	9B480	Land Acquisition	2.0
Technology	97109	NIFS Upgrade / ERP System	2.0
Transportation	92033	Hub Development Fund	2.0
Equipment	98060	Road Maintenance Equipment Replacement	1.6
Buildings	90618	Various County Buildings Roof Renovation	1.5
Buildings	90629	Various County Fuel Station Upgrades	1.5
Parks	41482	Mitchel Field - Rifle Range Improvements	1.5
Buildings	90402	Various County Facilities - HVAC Construction	1.3
Public Safety	51037	Jail Six Year Master Plan	1.2
BCP	90230	County Office Campus Construction	1.0
BCP	90230P	Police and Fire Communications Center	1.0
Buildings	90401	Various County Facilities - Electrical Construction	1.0
Buildings	90403	Various County Facilities - Plumbing Construction	1.0
Collection	98041	SSW Motorized Equipment Replacement	1.0
Equipment	98092	Snow Truck Replacement	1.0
Infrastructure	63031	Bridge Painting Program	1.0
Infrastructure	63400	Civil Site Studies	1.0
Parks	41815	Various County Parks Ice Rink Modernization	1.0
Parks	41826	Various Parks Preserve Buildings Rehabilitation	1.0
Public Safety	50617	Police Department Bullet Proof Vests	1.0
Public Safety	50622	Police Department Specialty Vehicle Replacement	1.0
Public Safety	50628	Police Department Dual Rotor Helicopter	1.0
Public Safety	50686	Police Fleet Replacement	1.0
Public Safety	50687	Village Police 911 Upgrade	1.0
Public Safety	72490	Fire Service Academy, Various Improvements	1.0
Storm Water	82008	Rehabilitation of Storm Water Basins	1.0
Traffic	62500	Traffic Studies	1.0

Economic Impact of the Proposed 2013 to 2016 Capital Improvement Plan

Nationally, the unemployment figure for the construction industry is at the lowest level in five years. The unemployment rate for workers who last worked in construction dropped to 10.8% in the current month from 14.2% in May of 2012. While the increase in the employment figures is a positive sign, there are concerns regarding the potential shortage of skilled workers in the construction industry. According to the Chief Economist of the trade group the Associated General Contractors of America, “residential and nonresidential construction has been adding workers at roughly double the rate of the overall economy in the past year. However, at the same time, formerly unemployed construction workers are finding jobs in other sectors, retiring or going back to school.”¹ These conditions may lead to worker shortages in parts of the industry.

On a regional level, the construction sector is struggling to achieve 2008 employment figures. The proposed capital spending will create additional jobs in the industry. Despite a recent increase in employment stemming from Superstorm Sandy rebuilding efforts, the number of employed construction workers is 11,500 below the 2008 peak of 76,000. The following chart details the number of employed workers in the Natural Resources, Mining and Construction industry for the Nassau – Suffolk region.

Chart 1



Source: New York State Dept. of Labor. Prior years are as of July. 2013 is as of April & may not yet fully reflect the impact of Superstorm Sandy efforts.

¹ Scott, Damon. “Construction unemployment at lowest level in five years.” The Associated General Contractors of America. (AGC of America).

Economic Forecast

Table 9

2013 Capital Spending in millions			
	<u>Planning & Design</u>	<u>Construction</u>	<u>Total</u>
Building Consolidation Program	\$0.0	\$2.0	\$2.0
Buildings	0.4	32.7	33.1
Collection	6.1	24.8	30.9
Disposal	69.2	277.4	346.6
Infrastructure	5.6	20.5	26.1
Parks	1.3	6.7	8.0
Public Safety	1.5	15.7	17.2
Roads	6.3	25.2	31.5
Storm Water	1.0	1.3	2.3
Traffic	4.4	10.5	14.9
Transportation	1.9	1.6	3.5
Grand Total	\$97.6	\$418.3	\$516.0

A review of the proposed 2013 Capital Budget finds that it includes \$516.0 million in **labor intensive capital spending**. Table 9 above itemizes this spending by category and type. Projects were considered to be labor intensive if they utilized planning and design consultants or involved construction. Purchases of equipment and property were not considered labor intensive. The Department of Public Works (DPW) was able to segregate the proposed 2013 capital spending into the dollars to be spent on planning and design and those spent on construction.

OLBR used the US Bureau of Economic Analysis Regional Input-Output Modeling System (RIMS II) multipliers to determine the economic impact of the proposed labor intensive spending. Since some of this spending will occur outside of Nassau County, the total amounts were discounted by 20%. RIMS II Nassau County Professional, Scientific and Technical Services multipliers were applied to the 2013 Planning & Design discounted spending amount, the results of this application are shown in table 10. Nassau County RIMS II Construction multipliers were applied to the 2013 discounted construction spending amount. Table 10 demonstrates the results of this application.

In both applications, the anticipated economic impact to Nassau County is shown at the industry level. There could be additional, unquantifiable economic benefit to regions outside of Nassau County where some of the workers reside and where some of the inputs are purchased.

The charts contain three columns detailing the estimated change in output, earnings and jobs. The output column represents the value of goods and services produced in Nassau County as a result of the anticipated 2013 capital spending for each impacted industry. The output multiplier demonstrates how each dollar of direct Nassau County capital spending affects total output in Nassau County. The figures included in the earnings column represent how much workers' earnings will increase as a result of the budgeted 2013 capital spending.

In table 10, the combined economic impact of both the planning and design and construction spending is shown.

Table 10

Total Economic Impact of the Planned 2013 Capital Spending			
Output and Earnings in millions			
Industry	Increased Output	Increased Earnings	New Employment
Planning and Design Spending	\$173.9	\$33.7	648
Construction Spending	549.5	114.9	2,750
Total	\$723.4	\$148.6	3,398
Sources: RIMS II Multipliers and US Bureau of Economic Analysis			

Table 10 reveals that the projected planning and design capital spending is expected to generate 648 new jobs. That represents 19.1% of the total jobs expected to be generated from the proposed 2013 capital budget.

Table 11 provides an itemization of the planning and design related jobs by industry.

Table 11

Economic Impact of the Planning & Design Spending			
Output and Earnings Figures in millions			
Industry	Increased Output	Increased Earnings	New Employment
Agriculture, forestry, fishing, and hunting	\$0.2	\$0.0	0.7
Mining	0.0	0.0	0.0
Utilities	1.3	0.1	0.9
Construction	0.6	0.1	3.1
Manufacturing	2.1	0.3	5.4
Wholesale trade	2.5	0.5	8.1
Retail trade	4.1	0.9	34.9
Transportation and warehousing	2.1	0.6	13.5
Information	6.8	0.6	9.8
Finance and insurance	6.1	1.0	14.1
Real estate and rental and leasing	12.1	0.7	27.9
Professional, scientific, and technical services	86.0	24.7	383.1
Management of companies and enterprises	0.7	0.1	0.6
Administrative and waste management services	4.7	1.2	42.5
Educational services	0.6	0.2	7.3
Health care and social assistance	5.0	1.6	38.6
Arts, entertainment, and recreation	0.9	0.3	12.3
Accommodation and food services	2.4	0.4	26.8
Other services	2.0	0.5	16.7
Labor earnings	33.7	0.0	1.8
Total	\$173.9	\$33.7	648
Sources: RIMS II Multipliers and US Bureau of Economic Analysis.			

Table 12 details the economic impact of the construction spending by industry. The majority of the newly created jobs will occur from the anticipated construction spending. The construction spending is expected to create 2,750 new jobs.

Table 12

Economic Impact of the Construction Spending			
Output and Earnings in millions			
Industry	Increased Output	Increased Earnings	New Employment
Agriculture, forestry, fishing, and hunting	\$0.5	\$0.0	\$2.1
Mining	0.0	0.0	0
Utilities	4.1	0.3	3
Construction	336.2	75.7	1,689
Manufacturing	22.6	3.0	60
Wholesale trade	17.7	3.5	57
Retail trade	34.4	7.3	295
Transportation and warehousing	5.8	1.3	32
Information	14.5	1.2	19
Finance and insurance	20.1	3.3	47
Real estate and rental and leasing	28.1	1.7	64
Professional, scientific, and technical services	18.8	5.4	84
Management of companies and enterprises	3.0	0.3	3
Administrative and waste management services	9.1	2.2	79
Educational services	2.0	0.6	23
Health care and social assistance	17.2	5.4	132
Arts, entertainment, and recreation	1.9	0.6	26
Accommodation and food services	6.1	1.1	69
Other services	7.4	1.7	60
Labor earnings	0.0	0.1	6
Total	\$549.5	\$114.9	2,750

Sources: RIMS II Multipliers and US Bureau of Economic Analysis.

The County’s Official Statement for its most recent bond issuance shows the total of authorized but unissued bonds as of April 30, 2013.

Table 13

SUMMARY OF BONDS AUTHORIZED BUT UNISSUED	
as of April 30, 2013	
Categories	Total Authorized Unissued Amount
Community College	\$6,250
Health	16,197
Information Technology	20,451
Infrastructure	324,886
Land Acquisition	16,473
Parks & Recreation	82,480
Public Safety	63,023
Sewer & Storm Water	357,827
Special Equipment	1,935
Property Tax Refunds & Other Judgments & Settlements	197,264
Total	\$1,086,786
*figures are in thousands	
**data source is 2013 A&B RAN's POS 6-13-13	

2013 Capital Budget

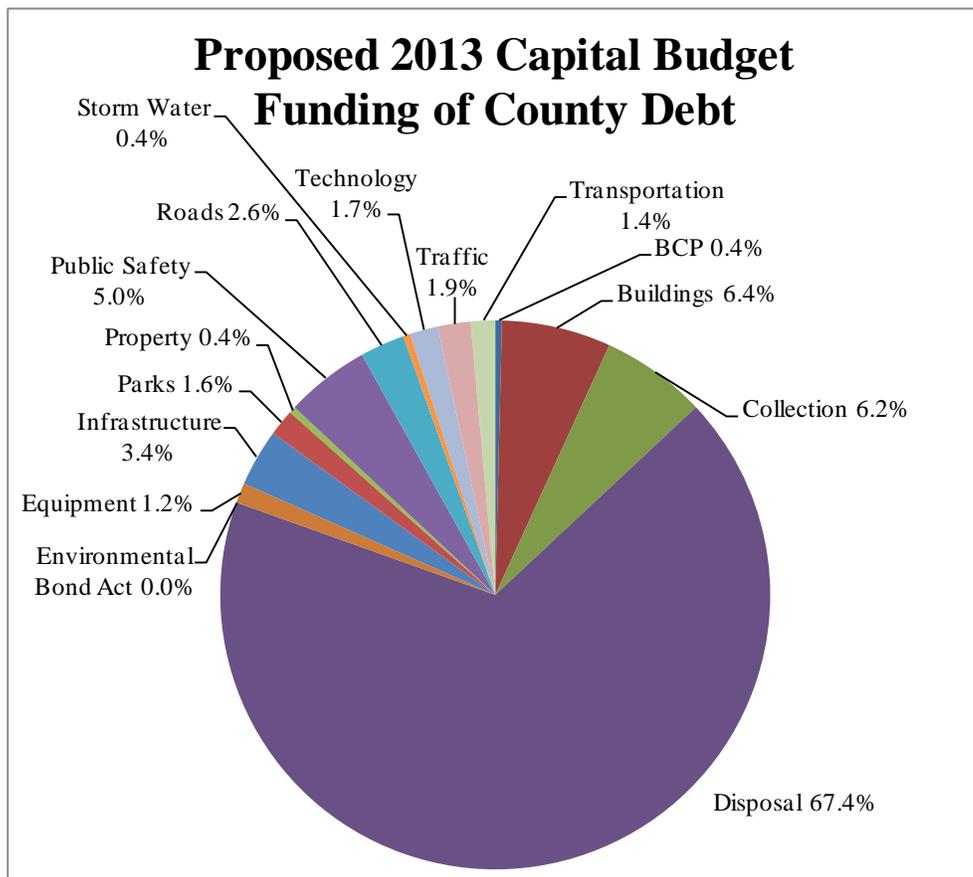
The 2013 Capital Improvement Plan proposes \$549.8 million in funding. Out of that total, 93.4% is County bond proceeds; the remainder is made up of non-County funding sources. Table 14 itemizes the total 2013 funding by category and source.

Table 14

Proposed 2013 Capital Improvement Plan in millions			
	<u>Debt</u>	<u>Non</u>	
	<u>Financing</u>	<u>County</u>	<u>Total</u>
General Capital	\$131.1	\$35.9	\$167.0
Building Consolidation Program	2.0	0.0	2.0
Sewer and Storm Water Resource District	380.6	0.2	380.8
Environmental Bond Act	0.0	0.0	0.0
Total	\$513.7	\$36.1	\$549.8

Within the four major categories detailed in Table 14, there are 11 sub-categories. The General Capital line is comprised of the following categories, buildings, transportation, traffic, technology, roads, public safety, parks, and infrastructure. Within the SSW category are three sub-categories, collection, disposal and storm water. Chart 2 details the funding percentages by sub-categories.

Chart 2



General Capital (Project Highlights)

The following section provides a categorical analysis of the projects receiving funding in 2013.

Buildings - The 2013 Capital Budget proposes \$33.1 million in spending on Building projects. This budget includes two new projects. The Various County Facilities-Demolition (90405) program is set to receive \$2.5 million in funding. This program will identify and then demolish unsafe County owned buildings and structures. County property at Rogers Avenue is scheduled for demolition this year.

The other new project is an upgrade to Various County Fuel Stations (90629). This project has a \$1.5 million budget which is to be used to renovate the County's 42 fuel dispensers at its 23 fuel stations. This project will bring the County into compliance with safety standards, as some fuel stations do not have fire suppression systems.

The project with the largest allocation in this category is the Family and Matrimonial Court (90632), which has a \$15.0 million budget. This is a full renovation of 101 County Seat Drive so that it can serve as the new Family and Matrimonial Court. It is anticipated that the first phase of this project will go out to bid this summer.

Nine other projects comprise the remainder of the Building category's budget. The Hempstead Garage Improvement (90622) project has a proposed cost of \$5.0 million. These funds will be used to rehabilitate the existing site, and the first phase of this project should go out to bid this summer.

Five projects appear in the Various County Facilities (VCF) repair programs. According to the Department of Public Works (DPW) projects qualify for capital funding under this series if a major component of an electrical, Heating Ventilation and Air Conditioning (HVAC), plumbing, and/or a fire alarm/security system needs to be replaced. The VCF Electrical Construction (90401) program is budgeted at \$1.0 million. The VCF HVAC Construction (90402) program is set to receive \$1.3 million. The VCF Plumbing Construction (90403) program has a proposed budget of \$1.0 million. The VCF Fire Alarm/ Security System (90404) program is budgeted at \$500,000. The VCF General Construction (90400) program has a proposed budget of \$2.5 million. These funds are used to rehabilitate or replace County facilities which require repairs that do not meet established thresholds for Projects 90401-90405.

The Various County Buildings Backflow Prevention Phase III (90023) program continues with the installation of backflow prevention devices in County facilities. This project has a budget of \$500,000.

The Various County Buildings Roof Renovation (90618) program has a proposed \$1.5 million budget. At the outset of this project, 100 County roofs were identified as being in poor condition. These funds would continue the rehabilitation or replacement of those roofs.

The Various Asbestos & Lead Abatement (90625) removal program has a proposed budget of \$750,000 in County debt. The funds from this project would be directed to encapsulate and remove asbestos containing materials and lead containing materials on an as discovered basis. Usually, the County's Facilities Management personnel enter these requests, but the Parks and Police Departments have also made such requests in the past.

Equipment - The 2013 Capital Budget includes \$6.4 million in spending on equipment projects. There is one new project, the DPW Fleet Service Equipment (98063) program. This program is budgeted to

receive \$250,000. These funds will be used to replace equipment (tire machines, wheel balancers, and diagnostic scan tools, etc.) that has met the end of its useful life.

There are three other equipment projects that receive significant funding in the 2013 Capital Budget. The Road Maintenance Equipment (98060) project will spend \$1.6 million to replace equipment that has met departmental guidelines and is at the end of useful life. Eligible equipment includes sweepers, pay loaders, light and heavy duty trucks.

The Snow Removal Truck Replacement (98092) program has a proposed budget of \$1.0 million. Thirty percent of vehicles in the Snow Removal Fleet are model year 2001 or earlier. Eligible equipment includes pay loaders, sweepers, and dump trucks to be used for plowing and sanding. According to the DPW, there is a growing incidence of major component failure, necessitating expensive repairs and increasing down time while vehicles are out for repair.

The Fleet Management Life Cycle Replacement (98105) is budgeted at \$3.4 million and would replace certain vehicles (pickup trucks, SUVs, cargo vans) in the County fleet. Currently, there are 285 light duty vehicles, 58 pick-up trucks, 16 mini vans, 133 sedans, 48 SUVs, and 30 vans in the County fleet beyond useful life.

Infrastructure - Nassau continues to focus on addressing the infrastructural needs that exist throughout the County. The proposed budget includes \$28.6 million in spending for Infrastructure projects. There are two new projects scheduled for 2013. The Nassau Community College (NCC) Foundation House project (70100) will receive \$120,000 in non-County funds and the NCC IT Infrastructure and Equipment Upgrade (70101) will receive \$1.0 million in non-County funds.

The Bridge Rehabilitation Program (63029) will provide the County with the ability to perform design, construct and/or rehabilitate structurally deficient and functionally obsolete bridges owned by Nassau County. Bridges with a structurally deficient rating will be assigned priority over those with functionally obsolete designations. In 2013, the County will provide \$100,000 for this project.

In addition there are pre-Sandy projects ready to go to construction. They are Whaleneck Creek, Milburn Creek and Center island Pedestrian. They went out to bid and construction should be started soon. The costs for construction and construction inspection will be approximately \$2.5 million. Additionally, a new project for Pearl Street, planned before Sandy, is under review by New York State and is expected to be approved so that it may go out to bid sometime in July 2013. An anticipated \$1.5 million is allocated for construction and construction inspection for this bridge.

The generators and Master Control Centers (MCCs) at the Bayville and the Long Beach bridges were damaged as a result of Superstorm Sandy. The cost to make the repairs was a combined \$1.5 million. Other bridges sustained erosion issues. Repairs for these other bridges amount to about \$1.5 million for a combined \$3.0 million in Sandy-related repairs. The Department of Public Works fully expects to be reimbursed for capital projects caused by Superstorm Sandy.

The Bridge Painting Program (63031) calls for the removal of existing deteriorating paint on County owned bridges, any required cleaning and/or rehabilitation of painted structural bridges. This will be followed by the installation of new paint systems on the cleaned and/or repaired bridges. In 2013, this project will receive \$5.0 million in funding which will permit the County to prepare construction plans, bid and supervise the bridge paint work. In 2013, two bridges are scheduled for this project: Charles Lindbergh and Glenn Curtiss which span the Meadowbrook Parkway.

Funding of \$1.0 million in 2013 for Civil Site Studies (63400) will allow the Department of Public Works to fund small studies for potential Civil Engineering projects prior to creating a capital project for them. It will enable the department to get a better idea of the potential cost and scope of projects before they brought before the Legislature.

The Countywide Tree Management Program (66016) will receive funding of \$300,000 for the planting of trees on county roads, right of ways, in parks and at any other County facility. Trees that were destroyed by Sandy will be replaced by a portion of the \$3.5 million carry forward from the 2012 Capital Plan. The County expects reimbursement from the federal government.

In 2013 the County will allocate \$2.0 million for the Requirements Contract Curbs and Sidewalks (66050) project that replaces curbs and sidewalks along County roads.

The NCC Life Science Building (70040) project addresses the critical lack of space for the Nursing, Allied Health Science, Biology and Chemistry Departments. The primary purpose of this project is to provide the needed classrooms, faculty and computer rooms to meet current enrollment and the expected future growth in these programs. The new building also includes a new administrative computing center and related software. The allocation for 2013 is \$200,000 which is the last year for this project as the building is complete and occupied.

The purpose of the NCC Fire Alarm Upgrade (70073) project, which will receive \$300,000 in 2013, is to modernize the campus's aged fire alarm systems with a new code compliant centralized system which incorporates Americans with Disabilities Act (ADA) requirements. The new fire alarm systems will be integrated with two systems that were installed in 1997 in the G and CCB buildings. The new system will incorporate features such as strobe lights for the hearing impaired and alarm pull stations at required heights for the handicapped. It will also provide faster response to alarm locations and alerting the local fire department.

The NCC Renovation of Cluster C (70088) project will fund design work for the renovation of Cluster C at Nassau Community College. The funding for this project in 2013 is \$1.4 million for which the project will examine the infrastructure improvement needs for the building as it has not been renovated since its original construction in the 1970's. Swing space for the Bursar, Registrar and Health Services has been established on the first floor of the C Cluster after it was vacated by the Chemistry Department when it moved to the Life Sciences Building. Operations in the temporary space started June 10th and will continue there until the permanent space is built out. Substantial completion is expected late 2014. Demolition is beginning on the space vacated by the Registrar, Bursar and Health Services. Plans for the permanent space have been submitted to NCC by LiRo for final review prior to preparing the bid package. Bidding is anticipated for summer 2013 with a construction contract award as soon as possible thereafter.

SBLM, the architect, is tasked with the design process. They have been meeting with the academic department (Physical Sciences) that occupies the second and third floors to determine how best to meet their program requirements. Design time will take approximately one year after which a bid package will be prepared for construction which may be awarded in summer/fall 2014 with anticipated start in early 2015.

The NCC Space Consolidation (70089) project will include the renovation of existing under-utilized space on campus as well as the reconstruction of some vacant areas including, but not limited to,

locations in the Tower T building, open space under the Plaza, the unused Brick Café building, etc. These areas will be redesigned to consolidate student service departments (Bursar, Financial Aid, Admissions, etc.) and improve the registration process, as well as make maximum use of the College's existing infrastructure. The project will receive funding of \$5.5 million in 2013.

The County will allocate \$1.2 million for the NCC Window Replacement (70093) project to renovate the western portion of the campus. This part of the campus consists of many low brick buildings which were transferred to the County/College by the Navy more than 40 years ago. These buildings were converted to college use but have not been renovated. The windows on these buildings are original condition and are single glazed casement or double hung frames.

Currently, NCC's technology infrastructure is aged and past its useful life. The NCC Information Technology Infrastructure (70098) project will receive \$1.0 million in 2013 and will provide a phased-in approach to replace critical components of the network that are no longer supported and may fail.

The ongoing County Storage Tank Replacement Program (81060) will be allocated \$2.0 million in 2013. This is a replacement of a former program financed by the Board of Supervisors Ordinance 466-1987. The scope of this program includes tank replacements required due to age of tank or failure of periodic tightness testing as required by Federal, State and County regulations. Funding must also be provided for remedial investigations and actions, which are mandated at locations where leaking storage tanks are discovered.

The Various County Projects (99206) project is for the purchase of equipment or planning, design and construction activities within each legislative district. This project provides for a variety of community development and outreach improvements that are selected by the Legislators. Examples of initiative under this project include the purchase of equipment for fire departments, school districts and libraries. Additional funds may go to improvements in parks, streetscapes and other similar endeavors. The 2013 allocation for this program will be \$5.0 million.

Parks – The 2013 Capital Budget proposes \$8.0 million on Parks projects. There is one new project. Various Parks Improvements (41869) budgeted at \$2.0 million in 2013. It is the largest allotment of funding in this category with a recurring budget of \$2.0 million each year. This project will allow for a variety of park improvements and infrastructure upgrades. For example, on Nickerson Beach campgrounds, cabanas, and the miniature golf/shop will be improved. There will be playground rehabilitations at Christopher Morley, Wantagh, Nickerson, Grant, and Woodmere parks. The Inwood Bulkhead will also be renovated in this project.

Mitchell Field Riffle-Range Improvements (41482) includes funding of \$1.5 million for the removal and replacement of sand which contains lead fragments. Various County Parks Ice Rink Modernization (41815) includes funding of \$1.0 million in 2013 to renovate Cantiague Ice Rink and Grant Park Ice Rink. There is \$35,000 (non-County) allocated for the Playground & Picnic Area (41820) project. Preserve Buildings Rehabilitation (41826) is proposed to receive \$1.0 million. Examples of work to be completed in 2013: Macolm House (exterior painting), Bedell House (demo and replicate) Falaise (front façade restoration). The Infrastructure Improvements (41861) project is proposed to receive \$2.5 million in 2013 since the infrastructure such as façade, HVAC, electrical and plumbing in many Parks buildings is outdated. They will be modernized through project funds.

Public Safety The 2013 Capital Budget proposes \$25.6 million for Public Safety Projects, of which \$10.5 million is itemized in the following three new projects:

Following the closure of the Nassau County Police Department (NCPD) Crime Laboratory on February 18, 2011 the Medical Examiner Department of Forensic Genetics was tasked with the expansion of its forensic Deoxyribonucleic Acid (DNA) laboratory into a multidisciplinary crime laboratory now operating as the Division of Forensic Sciences (DFS). Currently the lab is accredited and conducting casework in forensic DNA and latent print analysis. The DFS is requesting capital funds in the 2013 budget to purchase crime laboratory equipment under the Med Exam Crime Lab Equipment (14007) project to maintain accreditation in forensic DNA and latent print analysis, but more importantly to establish American Society of Crime Laboratory Directors (ASCLD)/LAB – International Accreditation in (1) firearms and tool mark analysis, (2) drug chemistry and general unknown analysis, (3) fire debris (arson) analysis and (4) trace evidence analysis. Since the closure of the NCPD Crime Laboratory, the Police Department and the District Attorney’s Office have been outsourcing it criminal evidence to private and public crime laboratories located within the northeast region. Funding of \$500,000 in 2013 will eliminate this costly and inefficient outsourcing and facilitate the establishment of a full service crime laboratory for the criminal justice system of Nassau County. The Medical Examiner’s Office will continue to operate at its current location on the third floor in the “S” building at the Nassau University Medical Hospital.

This Nassau County Crime Lab (14008) project consists of construction of a new Forensics Lab Facility and County Fire Marshal’s Office modifications within the existing Nassau County Public Safety Center located at 1194 Prospect Avenue, Westbury, NY. The project will replace the shuttered Nassau County Police Crime Lab. Funding for this project in 2013 will be \$9.0 million and will include enlargement of the existing parking field and miscellaneous site work, selective demolition within the existing building, installation of new stairs and elevators and construction of the new facilities within existing vacant space on the first and second floors of the building. Modifications of existing systems will be undertaken to accommodate the new Lab. The existing building is subject to special security and seismic design requirements that will be part of this project as well. This project requires installation of special laboratory equipment and systems by the contractor as well as coordination with other associated County contractors. When the project is complete and the new crime lab is open, sometime in 2016, it will come under the authority of the Nassau County Medical Examiner’s Office.

The Police Department Dual Rotor Helicopter (50628) project, for \$1.0 million in 2013, will replace the single engine Helicopter 4 (1997, Bell 407) with a twin-engine 2014 Bell 412. The replacement will significantly upgrade the capabilities and capacity of the Nassau County Police Department while replacing a helicopter that is five years past its scheduled replacement. Additionally, if not replaced, Helicopter 4 will require a major overhaul with costs that could approach \$1.0 million. The Department’s current helicopters are configured for a 2 person crew and 4 passengers, whereas the 412 is configured for a 2 person crew and 13 passengers. This will permit the Department to deploy tactical teams, scuba teams and permit off-shore rescue. The Department’s current helicopters do not have that capability. Additionally, the Department will upgrade the cameras, night vision and install a microwave system on the Department’s three other helicopters.

The remaining \$15.1 million is for some the following on-going projects.

The Police Department and Other Agencies Bullet Proof Vests (50617) projects funding for 2013 is \$1.0 million to purchase bullet resistant vests for Nassau County police personnel, Advanced Medical Technician (AMTs) and Nassau County Probation Officers.

The Police Department Ambulance Replacement (50619) project will enable the replacement of high-mileage, unreliable ambulances with high quality ambulances that are suitable for future chassis changeovers (replacing the truck chassis only rather than the entire ambulance at the end of the life cycle). The plan is designed to generate recurring long-term savings through the use of chassis changeovers. In 2013, the County has allocated \$650,000 for this replacement cycle.

Out of 44 current ambulances, 40 have had their chassis replaced at least once. The remaining four are experimental gas ambulances purchased in 2011 and they have not had their chassis replaced yet. On average, a chassis last five years and there are at least two to three chassis replacements for each ambulance.

The Police Department Specialty Vehicle Replacement (50622) project calls for the replacement of high-mileage, unreliable police specialty vehicles. Included are Emergency Service Rescue, fleet trucks, four-wheel drive vehicles, buses, trailers, tow trucks, flatbeds, bucket trucks, cargo vans, specialty vans, surveillance vehicles, station wagons and other related specialty vehicles. Funding for this project in 2013 is \$1.0 million because failure to implement a reasonable life cycle replacement policy for these vehicles has caused the fleet to become unreliable.

The scheduled replacement of Specialty Vehicles will be dependent on department needs. Those that have been replaced to date are the following:

- 2011 – 1 Emergency Ambulance Bureau (EAB) morgue van, 1 Property bureau cargo van, 1 Arson Bomb trailer, 1 Suburban, 1 sky platform, 6 unmarked Tahoes, 4 gas ambulances, 3 generator trailers, 1 trailer Arson Bomb, 1 large freight liner command truck, 1 crime scene van.
- 2012 – 1 heavy duty rescue truck for Emergency Services Unit (ESU), 4 portable traffic signal lights.
- 2013 – 1 Homicide Command post truck.

The Police Department Precincts & Auxiliary Precincts Renovation and Modernization (50680) project is designed to address the physical plants of four Precinct station houses, the County has allocated \$2.5 million in 2013. The department is moving towards the replacement of the First, Fourth and Seventh Precincts. In addition, with capital funds, the department plans on constructing a new “state-of-the-art” police training facility and intelligence center which will replace the current facility in Massapequa.

The capital plan includes \$1.0 million for the replacement of marked police vehicles in the Police Fleet Replacement (50686) project. The anticipated replacement cycle with the 2013 Capital Plan will be 10 marked vehicles (comprised of 6 Ford Explorer SUVs, and 4 Chevy Caprices) and 30 unmarked vehicles (comprised of 18 Ford Explorer SUVs and 12 Chevy Caprices). Additionally, the department expects delivery of 100 marked vehicles no later than July 30, 2013. The average mileage in a marked vehicle is between 160,000 and 170,000 miles with some over 200,000 miles before they are replaced. Unmarked vehicles are between 8 to 10 years old before replacement.

The Village Police 911 Upgrade (50687) project will replace end of life telecommunications hardware and workstations in the 16 village police departments that act as public service answering points (PSAPS) over a three (3) year period. The 2013 budget allocates \$1.0 million for this upgrade.

Funding of \$3.0 million in 2013 for the Fire Police Emergency Medical Service (EMS) Academy (50688) project will complete the construction of classrooms within the unfinished shell on the second

floor of building B at the Nassau University Medical Center, designated as part of the Fire Police Emergency Medical Service Academy. It will also include the purchase of equipment necessary to provide emergency medical training to emergency response personnel, including, but not limited to, police, fire and ambulance service personnel. The existing classrooms are insufficient and unable to meet the demand to provide the required training mandated by New York State law.

The Capital Plan includes \$1.2 million in 2013 for the Jail Six Year Master Plan (51037) for which the initial focus will be to rehabilitate portions of Cell Block A for housing inmates. After this is complete, evaluations will be made assessing additional needs of the facility. Currently, funding for this project is being used for the on-going High Energy-Efficient Lighting Project at the jail.

Property -The 2013 Capital Budget includes \$2.0 million for one project in the Property category. The Land Acquisition (9B480) project provides funds for the County Attorney to purchase property and easements needed for various County entities to implement various projects.

Roads – The 2013 Capital Budget for Roads includes \$31.5 million in authorized funding with no new projects. The project with the largest allocation is the County Wide Resurfacing Various County Roads (61587) with a proposed budget of \$21.5 million for 2013 of which \$18.0 million is non-County funding. The majority of the outside funding comes from the State Highway Improvement Program (SHIPS)/Transportation Improvement Program (TIP), which provides an 80% reimbursement on approved highway and traffic jobs. Supplemental outside funding may be available from the Consolidated Highway Improvement Program (CHIPS). Additionally the proposed plan allocates \$22.5 million annually from 2014 to 2016. The program’s objective is to resurface each County roadway once during a 15-year cycle, depending upon traffic volumes and surface wear. To achieve this goal on 2000 lane miles of County roadways, it is necessary to resurface over 125 lane miles each year. The County expects a reimbursement after the completion of the individual contracts from CHIPS.

Other projects receiving funds in 2013 include the West Shore Road, Mill Neck project (6179A) that is budgeted to receive \$8.3 million for 2013 to alleviate flooding. This project proposes to restore or reconstruct sections of the West Shore roadway and sea wall. The first phase of this project will be completed in the near future while Phases II and III are scheduled to be completed in 2014 and 2015 respectively.

The funding for Farmingdale Road Improvements (61107) will improve various County owned roads in Farmingdale. The Capital budget proposes \$500,000 in 2013 with work targeted to be completed by January 2014.

Traffic – The total planned spending for Traffic is \$15.8 million in the 2013 Budget, which includes three new projects proposed for 2013 with a budget of \$3.3 million. The proposed budget includes funding for improvements to and replacements of traffic signals and signs. Several of the CIP projects include Non- County fund allocations. This outside funding originates from the State Highway Improvement Program (SHIPS)/Transportation Improvement Program (TIP), which provides an 80% reimbursement on approved highway and traffic jobs.

The first new project in this category is the Variable Message Signs Phase I Project (62175) that has funding of \$2.7 million in 2013. This project will allow the County to design and install variable message signs on busy County owned roads. Traffic Signal Communications Phase II (62181) is another new project with a budget of \$400,000 for 2013 and \$3.7 million per year from 2014 through 2015. The County will be able to monitor traffic signal activity and respond to outages or other

interruptions quickly and efficiently with the implementation of this project. The third new project that has been proposed for 2013 in this category is the Traffic Management Center Upgrades (62194) with an allocated budget of \$225,000 and an additional \$200,000 to be spent in 2014. The Management Center will be responsible for organizing all of the networked traffic signals for the County.

Other ongoing projects include the Federal Aid Durable Marking Program (62153) which is a project to refurbish pavement markings. The CIP proposes annual debt funding of \$1.8 million of which consists of \$1.4 million in non-County funding for 2013. The Budget includes \$1.7 million of non-County funds for the maintenance of the Traffic Computerized Signal System Update project (62160) which is a state of the art centralized traffic signal computer system that has gone from managing 108 signals in 1970 to over 700 traffic signals in 2013. The 2013 Budget proposes \$2.7 million in funding, including \$530,000 in non-County monies, for the Traffic Signal Expansion Phase V project (62455).

Technology – The Capital Budget includes \$8.5 million in spending on technology projects in 2013 with no new projects. The two largest of these projects are the NIFS Upgrade /Enterprise Resource Planning System (ERP) System (97109) and the Departmental Technology Equipment Replacement Program (97113), budgeted at \$2.0 million and \$3.1 million respectively. The NIFS/ERP (97109) project will upgrade the current financial system. According to the Information Technology (IT) Department, the ERP project is expected to go live in 2014. The Departmental Technology Replacement Program (97113) will replace computer equipment that has reached the end of its useful life. Of the \$3.1 million budget, \$1.5 million is designated for the Police Department and the remaining will be distributed throughout various County Departments.

There are three projects budgeted at \$750,000 each. The Disaster Recovery Plan (97104) would create a backup data center for the County. In case of emergency, this data center could be activated in order to continue County operations. These funds would secure the necessary software licenses and hardware. According to the IT Department, there is discussion to convert 1194 Prospect Avenue in Westbury into a Disaster Recovery Location.

The ongoing CAMDR (Computerized Asset, Maintenance, DPW, and Real Estate) project (97117) is also worth \$750,000. CAMDR is software that will help agencies such as the DPW, Real Estate, IT and Parks make more strategic decisions about asset life cycle costs, and to cover costs associated with the management of construction, renovation, and budgeting.

The third \$750,000 project is the Health and Human Services (HHS) Technology Development and Efficiency Program (97136). This project will build web platform applications that the HHS workforce can take advantage of in order to become mobile. This pilot program is being implemented in the hopes that a mobile HHS workforce will result in more efficiency and reduce travel costs.

The DPW Management Information System (97008) is a \$50,000 project that funds the acquisition of software and equipment to bolster the DPW's financial planning and project management operations.

The Integrated Information Management System (97124) project has a proposed budget of \$400,000. These funds will be used by the Nassau County Correctional Center to purchase and set up new inmate tracking and general jail management software from Intellitech of Ohio. This project will also make necessary technological improvements to support this new jail management software.

The First Responder Support project (97131) is a \$180,000 update to the public safety layers of the County's Geographic Information System (GIS) map system. Public safety can be more accurately assigned throughout Nassau County as a result of this upgrade.

Transportation - The proposed 2013 Capital Budget includes \$7.7 million for Transportation in the first year. The County will issue debt of \$7.4 million which includes four new transportation projects as well as a new Hub project. There are four Nassau Inter-County Express (NICE) projects. They are NICE – Grant Match projects, (91083, 91084, 91086 and 91087) represents bus purchases. In all the NICE projects, the bonded amount represents the 10% match required to obtain Federal Transportation Authority Grant Funds. The County and NY State must each fund 10% of the total purchase price, and the Federal government covers the remaining 80%. The useful life of these buses is expected to be five years.

The NICE – Grant Match (91083) project provides \$4.0 million in 2013 bond funds to be used to maintain operating efficiency, capacity, to continue the use of clean fuel on the fixed route fleet, and replace buses that are beyond their useful life. Vehicles to be purchased by the matched monies include 18 Compressed Natural Gas (CNG) buses for the fixed route fleet along with 7 mid-sized buses and 18 vans for the paratransit side. These vehicles are expected to be delivered in 2014.

The Hub Development Fund (92033) provides \$2.0 million in 2013 bond funds to supply necessary infrastructure improvements around the Hub area. Furthermore, Town of Hempstead (TOH) zoning requirements dictate infrastructure improvements associated with the potential development of the coliseum property. This funding will act as the County's local match as it looks for funding opportunities.

The Veterans Memorial Coliseum Reuse EIS project (92029) is slated to receive \$800,000 in County funds and \$200,000 in non-County funds in 2013. Previous funding under this project was used to retain the services of a consultant, Jacobs Engineering, who prepared a Generic Environmental Impact Statement (GEIS) for the redevelopment of the Nassau Veterans Memorial Coliseum. The 2013 budget will allow for further analyses and studies of the hub area.

The Nassau Hub Study (91091) is slated to receive \$400,000 County funds and \$100,000 in non-County funds in 2013. This project explores transit options in the central portion of the County with a 2.9 square mile area. Some transit alternatives that will be evaluated include light rail, a fixed guide way loop, and a circular bus service and shuttle buses that would connect existing facilities and a new development in a pedestrian/transit friendly environment. Potential transit service would connect with a Long Island Rail Road (LIRR) commuter rail station. More funding is needed to further analyses and studies regarding the hub area.

Project Highlights (Other than General Capital)

Table 15

Proposed 2013-2016 Capital Improvement Plan by Category other than General Capital in millions		
Category	2013	All Years
Building Consolidation Program	\$2.0	\$6.0
Collection	31.9	55.5
Disposal	346.6	775.3
Environmental Bond Act	0.0	0.0
Storm Water	2.3	5.5

Sewer and Storm Water Resource District - The proposed 2013 Capital Budget includes \$380.8 million in total for Sewer and Storm Water Resource District projects. The County will issue debt of \$380.6 million. The Sewer and Storm Water Resource District capital projects are separated into three classifications: Disposal, Collection and Storm Water.

Disposal - The 2013 Disposal category will issue a total of \$346.5 million in County Debt to fund nine projects. The disposal funding includes \$285.0 million for Wastewater Facilities Storm Restoration (35121), \$17.0 million for Wastewater Facilities Odor Control Improvements (35116), \$11.0 million for Wastewater Facilities Improvements (35114), \$10.0 million for Cedar Creek Equipment Replacement (3C067), \$8.0 million for Bay Park Various Buildings and Equipment Modifications (3B119), \$7.0 million for Bay Park & Cedar Creek Digester Rehabilitation (35100), \$4.0 million for Wastewater Facilities Security Improvements (35117), \$4.0 million for Bay Park Preliminary Treatment Modifications (3B120) and \$500,000 for Water/Wastewater Facilities Requirements (35118).

The project receiving the greatest portion of the debt is the Wastewater Facilities Storm Restoration (35121). The County's wastewater facilities were damaged by Superstorm Sandy which made land fall on October 29 2012. The Bay Park Plant Sewage Treatment Plant was inundated with floodwater as a result of Superstorm Sandy. This project, along with federal and state funds, will replace all impacted electrical equipment, the sludge dewatering facility, the effluent pump facility, the plant secondary water systems as well as other impacted items.

The Wastewater Facilities Odor Control Improvements project (35116) is anticipated to replace the odor systems associated with both of the plants aeration and primary tank odor control systems. The Wastewater Facilities Improvement project (35114) includes rehabilitation of the final gravity belt thickener facility and chemical efficiencies at Bay Park as well as electrical service, blower, fuel tank replacements along with primary and final tank improvements at Glen Cove.

The Cedar Creek Equipment Replacement project (3C067) will allow for the replacement of the existing four influent screens, the rehabilitation of three aerated grit chambers as well as the effluent screening facility, including removal of the fine screens, new effluent water strainers, new disinfection system and new tide gate. HVAC electrical and process mechanical systems improvements will be performed on all.

Collection - The 2013 Collection category will issue a total of \$31.9 million in County Debt to fund three projects. The collection funding includes \$30.4 million for Pump Station Rehabilitation (3P311), \$1.0 million for SSW Motorized Equipment Replacement (98041) and lastly, \$500,000 for the East Hills Pump Station Improvements (35107). The project receiving the greatest portion of the debt is the Pump

Station Rehabilitation (3P311). The County’s pump stations were damaged by Superstorm Sandy which caused many of the County’s pump stations to be submerged. This project will replace electronics, instrumentation and motors damaged as a result of the salt water. Mitigation will also be done under this project. The SSW Motorized Equipment Replacement project could supplant items such as sewer rodders, flush trucks, heavy trucks, snow plows, sander, front-end loaders, compressors, cranes and generators. The American Public Works Association provides guidelines based on age, mileage and recommended factors for equipment replacements. The East Hills Pump Station Improvements project will improve and/or upgrade all necessary aspects of the existing pump station to ensure its reliability.

Storm Water - The 2013 Storm Water category will issue a total of \$2.2 million in County Debt and \$130,734 in non-County to fund four projects. The storm water funding includes \$1.0 million for Rehabilitation of Storm Water Basins (82008), \$500,000 for Drainage Stream Corridors Reconstruction (82001), \$500,000 for Implementation of Storm Water Management Program (82010) and \$200,000 for Mosquito Control Plan (35112). The Rehabilitation of Storm Water Basins project will restore the drainage capacity to prevent / avoid flooding and erosion situations. Likewise, the Drainage Stream Corridors Reconstruction project will rebuild the County’s 27 miles of drainage which carries storm water runoff to neighboring bays. The remaining funding will be for the Mosquito Control project to apply pesticides in tidal and freshwater wetland areas.

Out-Years of the Capital Improvement Plan

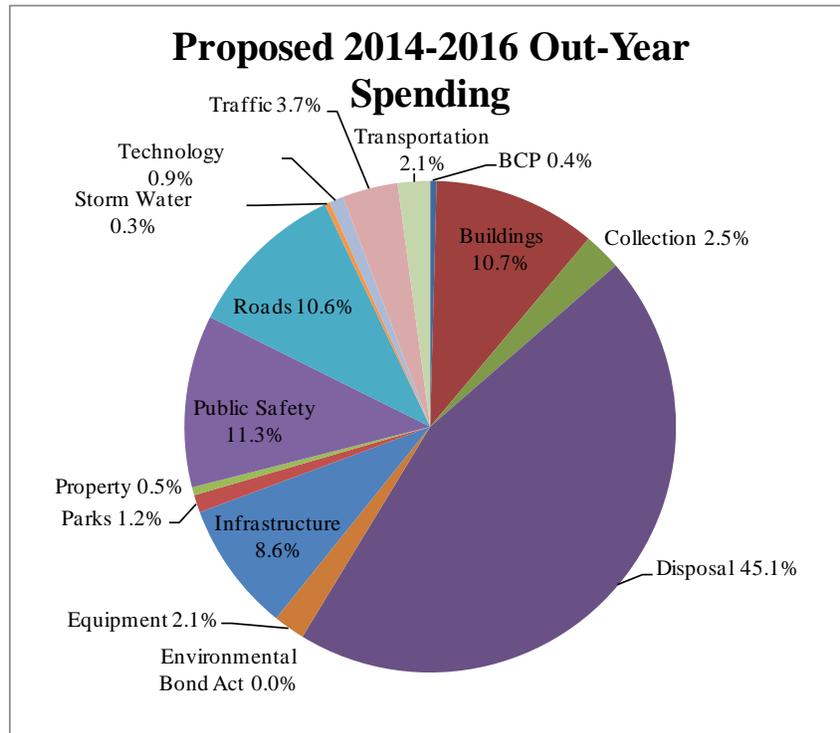
The out-year Capital Improvement Plan anticipates spending \$491.7 million to support General Capital projects, \$455.5 million for Sewer and Storm Water projects and \$4.0 million on Building Consolidation projects. In the out-years of the plan, the greatest amount of money is earmarked for Disposal projects. The plan funds 98 projects in 2014, 73 projects in 2015 and 55 projects in 2016. Table 16 provides an itemization of this out-year spending by category.

Table 16

Proposed 2014-2016 Out-Year Spending in millions		
Category	Dollars	% of Total
Building Consolidation Program	\$4.0	0.4%
Buildings	102.0	10.7%
Collection	23.6	2.5%
Disposal	428.8	45.1%
Environmental Bond Act	0.0	0.0%
Equipment	19.8	2.1%
Infrastructure	81.5	8.6%
Parks	11.0	1.2%
Property	5.0	0.5%
Public Safety	107.7	11.3%
Roads	100.9	10.6%
Storm Water	3.2	0.3%
Technology	8.9	0.9%
Traffic	34.8	3.7%
Transportation	20.2	2.1%
Grand Total	\$951.1	100.0%

Chart 3 details the total spending in each category as a percentage.

Chart 3



The following list itemizes the ten projects which are expected to receive the greatest amount of funding in the out-years of the plan, 2014 to 2016.

Table 17

Proposed 2014-2016 Capital Improvement Plan Top Ten Funded Projects			
Category	Project	Project Title	Out-Year Funding
Disposal	35121	Wastewater Facilities Storm Restoration	285.0
Roads	61587	Resurfacing Various County Roads	67.5
Disposal	99999	Undetermined SSW Project Improvements	58.3
Buildings	90632	Family & Matrimonial Court	57.0
Public Safety	14008	Nassau County Crime Lab	39.0
Disposal	3C067	Cedar Creek Equipment Replacement	30.0
Collection	3P311	Pump Station Rehabilitation	22.8
Disposal	3B120	Bay Park Preliminary Treatment Modifications	16.0
Disposal	35114	Wastewater Facilities Improvements	15.0
Disposal	35116	Wastewater Facilities Odor Control Improvements	11.0

Project Highlights – the following sections highlights the significant projects receiving funding in the out-years by category.

Building Consolidation Program - The 2014-2016 Building Consolidation capital budget totals \$4.0. The plan provides \$3.0 million for County Office Campus Construction (90230) and \$1.0 million for

Police and Fire Communications Center (90230P). The Police and Fire Communications Center projects provides for ongoing system upgrades and infrastructure requirements.

Buildings – The CIP has a proposed budget of \$102.0 million for Building projects. The Family and Matrimonial Court (90632) renovation receives \$55.0 million in 2014 and \$2.0 million in 2015. As discussed earlier, this project is the conversion of 101 County Seat Drive into the new Family and Matrimonial Court. The Various County Buildings Roof Renovation (90618) expands, as this program has an annual budget of \$2.0 million through to 2016. The Hempstead Garage (90622) has a proposed budget of \$5.0 million in 2014 that will be used to start the garage rehabilitation. Although the Various Asbestos & Lead Abatement (90625) removal program has a proposed budget of \$750,000 in 2014, it is scheduled for a decline in funding, as it will receive \$500,000 in both 2015 and 2016. The Various County Fuel Station Upgrade (90629) continues into 2014 with a budget of \$1.5 million.

The previously mentioned Various County Facilities series continues in the out-years of the CIP. The VCF-General Construction (90400) program has an annual proposed budget of \$1.0 million each year through 2016. The VCF Electrical Construction (90401) program continues in the out-years with an annual recurring budget of \$500,000 each year through 2016. The VCF HVAC Construction (90402) program continues to 2016 with an annual proposed budget of \$750,000. The VCF Plumbing Construction (90403) program has an annual proposed budget of \$250,000 through 2016. Finally, the VCF Fire Alarm/ Security System (90404) program has a recurring annual budget of \$500,000 throughout the course of the CIP.

There are several projects with funding in out-years only. The Rehabilitation of the Aquatic Center (90025) is one such project. This project has a proposed budget of \$3.0 million in 2015. These funds would be used to address ongoing air quality issues resulting from an improperly designed and installed HVAC system.

Another of these projects with proposed out-year funding only is the Records Center Renovation (90031). The Records Center is currently located at 1194 Prospect Avenue in Westbury. This project seeks to determine if the center should stay in its current location and to ensure that the new Records Center complies with State and County record storage statutes. Therefore, part of these funds could be used on design and construction. The proposed budget in 2014 is \$1.4 million, \$5.2 million in 2015, and \$6.0 million in 2016.

The Various County Court Facilities Renovation (90611) project attempts to further the Court's Master Plan. Particularly, this project will use its funds to address security and "life safety" issues at a number of County court facilities. This project has a proposed 2014 budget of \$1.5 million.

The Various County Buildings Electric Service & Engineering Upgrade (90617) is a survey project with a proposed \$2.0 million budget in 2014. This project will investigate electrical systems in every County building, and repair any code violations or safety risks found.

The County continues to move towards compliance with title II of the Americans with Disabilities Act. The Americans/Disabilities Act-Phase II (Construction) (90981) project has a proposed budget of \$1.0 million in 2014 and \$250,000 in 2015. These funds will be used to upgrade County buildings to accommodate the physically challenged.

Equipment - The CIP budgets \$19.8 million for equipment projects. The Road Maintenance Program (90860) is set to receive \$1.6 million annually until 2016. As discussed earlier, this program will

replace road maintenance equipment that has met the end of its useful life. The Snow Removal Truck Replacement (98092) program is slated to receive \$1.0 million per year during this period. A total of 16 snow removal vehicles will be purchased through this program. The Fleet Management Life Cycle (98105) program will turn over the County fleet through to 2016, with a recurring annual budget of \$3.8 million.

The Mosquito Control (98180) project has an annual recurring budget of \$250,000 until 2016. These funds will purchase excavation, maintenance, and marine equipment necessary to combat mosquito populations. The vehicles and equipment purchased through this project will be able to operate on unstable ground and in environmentally sensitive areas.

Infrastructure - New spending for the out-years totals \$81.5 million for infrastructure projects. Among these are the following:

Nassau County must maintain those bridges for which it is responsible in order to permit their continued use. The Bridge Rehabilitation Program (63029) will receive \$10.0 million in 2014 and will provide the County with the ability to perform design and reconstruction and/or rehabilitation of structurally deficient and functionally obsolete bridges owned by Nassau County.

The NCC Energy Initiative (70060) will fund a greening of the Nassau Community College Campus which will achieve operational savings through increased energy efficiency. The County has allocated \$5.0 million: \$2.0 million in 2014 and \$3.0 million in 2015.

The NCC Renovation of Cluster C (70088) project will fund design work for the renovation of Cluster C at Nassau Community College. The design work will examine the infrastructure improvements needs for the building as it has not been renovated since its original construction in the 1970's and in the out-years the County plans to spend \$14.4 million: \$10.0 million in 2014 and \$4.4 million in 2015.

Currently, NCC's technology infrastructure is aged and past its useful life. The NCC Information Technology Infrastructure (70098) project will provide a phased in approach to replace critical components of the network that are no longer supported and may fail. The Capital Plan provides \$6.8 million in the out-years for this phased-in replacement, \$2.8 million in 2014 and \$4.0 million in 2015.

The Various County Projects (99206) is for the purchase of equipment or planning, design and construction activities within each legislative district. The County has allocated \$11.4 million, or \$3.8 million annually, for the various legislative district projects.

Parks – The CIP budgets \$11.0 million in the out-years for Parks projects. Museum & Education Facilities (41008) is proposed to receive \$3.5 million in 2015. This project will meet the infrastructure needs of the County's museums and education facilities. Various County Parks Buildings Infrastructure Improvements (41861) is proposed to receive \$250,000 in 2014 and 2015 to rehabilitate Parks buildings & Museums as mentioned earlier. Parks Equipment Replacement (41855) budgeted at \$250,000 in 2015 will replace equipment that is used in parks and preserves, since the current equipment is worn or unsuitable to maintain certain types of landscape and is beyond its useful life of service. New equipment will be used for mowing meadows and lawns, maintaining trails, chipping dead trees, and removing snow from paths. The Inwood Bulkhead (41865) is slated to receive \$500,000 in 2014. The bulkhead has deteriorated and needs to be replaced in order establish a safer environment for the general public.

Property -The CIP includes \$4.5 million in 2014 and \$500,000 in 2015 totaling \$5.0 million throughout the plan for Land Acquisition (9B480). This project provides funds for the County Attorney to purchase property and easements needed for various County entities to implement various projects.

Public Safety -

The County has included \$107.7 million in the out-years for 15 public safety capital projects which include, among others:

This Nassau County Crime Lab (14008) project, described previously, is large in scope and will be funded for \$39.0 million of which \$24.0 million is in 2014, \$11.4 million in 2015 and \$3.6 million in 2016. The out-year funding for the Police Department Dual Rotor Helicopter (50628) described earlier is \$11.0 million which is scheduled for funding in 2014. Funding of \$16.0 million is included in the out-years for the Fire Police EMS Academy (50688), a project that was described earlier. Allocations in the out-years include \$7.0 million in 2014, \$4.5 million in 2015 and \$4.5 million in 2016.

The Police Department Interoperable Radio System (50590) has been a part of the Capital budget for many years. The project was for the purchase of a new public safety two-way radio system. The Nassau County Police Department is currently in Phase II of establishing a long-term strategic plan, system design, development and issuance of an RFP, support during the selection process and system implementation and acceptance. In 2014, the County has allocated \$500,000 for this project.

Roads - The CIP includes \$100.9 million for projects in this group. The following is a status of developments with regards to funding in the CIP for other ongoing Road projects.

The Capital Plan proposes \$1.0 million for the Floral Park Drainage Improvements (60049) in 2014. The Brookside Avenue Improvements project (61082) includes \$3.0 million in the CIP for 2014. This project will replace deteriorated pavement, install additional drainage as needed, and add left lanes to specific intersections to improve safety conditions on Brookside Avenue through Roosevelt. The project's completion date was targeted for June 2013 however due to property acquisition issues the completion date has been delayed to 2014. The CIP budgets \$3.0 million in 2014 to fund various improvements for Uniondale Avenue and Front Street (61101). Bellmore Avenue Rehabilitation (61102) is a drainage improvement project on Bellmore Avenue from Merrick Road to Sunrise Highway which includes \$500,000 in 2014. The full scope of this project is targeted to be finalized in late 2014.

Technology – The CIP budgets \$8.9 million for technology projects. The Departmental Equipment Replacement Program (97113) is set to receive \$1.6 million in 2014 and \$1.0 million in both 2015 and 2016. As discussed earlier, this project replaces County computer equipment that has reached the end of its useful life.

The HHS Technology Development and Efficiency Program (97136) is budgeted at \$750,000 per year from 2014 to 2016. This project is a drive to develop web platform applications to make the HHS workforce mobile and efficient, as well as reduce travel costs.

The proposed CIP funds the E-Government (97103) and Network Infrastructure (97119) projects with \$500,000 annual budgets from 2014 through 2016.

The E-Government (97103) project is an expansion of an earlier effort. These funds will be used to pay Apex, a software application developer. Apex is in the process of developing a number of software applications for the County. Some examples include a Driving While Under the Influence (DWI)

database for the Medical Examiner, an employee roster database for Human Resources, Fire Marshall collection software, and the School Tax Calculator for Assessment.

The Network Infrastructure (97119) project readies the County to transition to VOIP (Voice-Over IP) telephone service. Currently, the County's wiring accommodates 100 Mega Byte (MB) speeds. VOIP telephone systems require 1000MB speed. Therefore, this project would replace Telecom equipment, wiring, network switches, routers, and adapters. A few other activities would take place as well. Several departments would have their data closets upgrade, and a fiber-optic infrastructure plan would be established for Eisenhower Park.

Traffic – The Capital Improvement Plan includes \$34.8 million for ongoing projects included under Traffic as well as the status of these projects to follow.

The CIP proposes to spend \$3.3 million annually for the Traffic Signal Construction & Modification Phase project (62017) with a recurring budget from 2014 through 2016 totaling \$9.8 million. This project will implement additions and modifications to traffic signals and other control devices as needed in conformance to the New York State Vehicle and Traffic Laws throughout the County. The County anticipates spending \$1.0 in 2014 and another \$1.0 million in 2016 for the Federal Aid Durable Marking Program (62153). The CIP proposes funding of \$168,500 in 2014 and \$2.7 million for 2015 and 2016 respectively for the Old Country Road Signal Heads Phase II (62162) project. Phase II anticipates the upgrade and replacement of all signal heads for all traffic indicators along Old Country Road. The Traffic Studies project (62500) allocates \$500,000 annually for 2014, 2015 and 2016. This project will allow the Department of Public Works to fund small studies for potential Traffic projects prior to creating a capital plan.

Transportation - The CIP budgets \$20.2 million in out-year funding for Transportation. The plan includes NICE – Grant Match (91084) for \$5.8 million in 2014, NICE – Grant Match (91087) for \$5.0 million in 2015 and NICE – Grant Match (91086) for \$6.9 million in 2016. These projects provide bond funds to be used to maintain operating efficiency, capacity, to continue the use of clean fuel on the fixed route fleet, and replace buses that are beyond their useful life.

Disposal - The Disposal category proposes a total of \$428.8 million in the out-years with \$335.0 million in 2014, \$47.5 million in 2015 and \$46.3 million in 2016. The Wastewater Facilities Storm Restoration project (35121) will receive the largest portion, \$285.0 million in 2014, which will restore the Bay Park Sewage Treatment Plant that was inundated with flood water as a result of Superstorm Sandy. Projects slotted for only out-year funding consist of the Undetermined Sewer and Storm Water (SSW) Project Improvements (99999) with a total of \$58.3 million, the SSW Buildings Roof Repair (35102) with \$500,000 in 2014 and \$500,000 in 2016 and the SSW Building Improvements (35108) with a total of \$750,000. Details for the Undetermined SSW Project Improvements, due to its nature, are not presently available. The latter two projects will repair roofs as well as funding other capital improvements to the County's various sewer and storm water buildings.

Collection - The Collection category proposes a total of \$23.6 million in the out-years with \$23.0 million in 2014, \$250,000 in 2015 and \$250,000 in 2016. The Pump Station Rehabilitation project (3P311) will receive the largest portion, \$22.8 million, to rehabilitate many of the pump stations that were submerged as a result of Superstorm Sandy. The remaining funding is for the SSW Motorized Equipment Replacement (98041) project to substitute old equipment such as rodders, trucks, snow plows, sander, front-end loaders, compressors, cranes and generators.

Storm Water - The Storm Water category proposes a total of \$3.2 million in the out-years with \$450,000 in 2014, \$250,000 in 2015 and \$2.5 million in 2016. The two projects receiving the largest funding are the Drainage Steam Corridors Reconstruction (82001) and the Rehabilitation of Storm Water Basin (82008) for \$1.0 million each in 2016. These projects support the drainage system used by the County for its storm water runoff.