

WARWICK SEWER AUTHORITY
Quarterly Report to City Council
July 6, 2017

WSA Budget

See attached line item budget report for FY17 to date as of May 31st (approximately 92% of fiscal year complete). In summary:

- Revenues -- \$20,390,465 (95.1%)
- Expenses -- \$18,976,434 (88.5%)

Bills collections and delinquent interest revenues are up this year.

WSA's rate consultant completed the annual review of WSA's budget to confirm numbers used in projections for the five-year rate study approved last year. The Renewal & Replacement charge is scheduled to increase in FY18 to fund needed capital infrastructure improvement projects. A public hearing was held on the FY18 rates and proposed budget (\$21,122,414, 1.5% decrease from FY17) on May 18th. The WSA Board of Directors approved the FY18 budget on May 25th.

During the last quarter, the WSA Finance Committee worked on a Fiscal Sustainability Plan, required for borrowing from the Clean Water State Revolving Fund, which was approved by the full Board on June 22nd.

Major WSA Board Actions in Last Quarter

At the April meeting, the Board awarded bids for various chemical used in the treatment process (Bid #2018-018). Although the contracts were awarded to the low bidders, unit prices for all the chemicals are higher than in FY18. The Board awarded Bid #2017-258 for its sewer line insurance program to Homeowner Safety Valve Company of Bridgeport, Connecticut. At the recommendation of the Finance Committee, the Board elected to forego the revenue-sharing option in favor of lowering the annual cost to its customers for this optional insurance coverage for sewer service connections (pipes from main line to residential structures). The Board also approved a large (\$7,633.66) sewer usage abatement for a Ward 6 property due to vandalism where copper water pipes were removed and significant amounts of water, which leaked into a crawl space, was not returned to the WSA for treatment.

In May, the Board approved the purchase and installation of a new facility security system. The Board approved a renewal agreement with CPower Energy Management through May 2021 for its demand response program which pays the WSA to be on-call and reduce electrical power consumption during high-demand periods. The Board approved an amendment to its contract with Synagro Northeast, LLC for sludge disposal. The Board also awarded a contract for odor/corrosion control products and services for the Cedar Swamp sewer shed (RFP #2018-032) to G&G Enterprises of KS, LLC of Greensboro, North Carolina, which will cost \$63,000 annually.

In June, the Board approved a change order to Contract 91A (levee improvements) which authorized the purchase of levee maintenance equipment using the amount remaining in the contract so that there was no increase in the overall contract price. The Board awarded the bid (#2017-317) for a new vehicle to low bidder Liberty Chevrolet of Wakefield, Massachusetts, with a price of \$23,668 for a Chevy Equinox. The Board rejected the one bid for Contract DD (miscellaneous sewer line extensions and emergency repairs) in the best interests of the WSA. The contract will be reworked and rebid as soon as possible. The Board voted to extend the contract with CWL O&M Solutions for six months for continued support of collection system maintenance projects and including assistance with new sewer construction projects at a cost of \$48,000. Finally, the Board approved a contract extension for legal services through June 30, 2019, with Revens, Revens & St. Pierre.

WSA Regulations

A complete overhaul of WSA regulations was completed in June. The new draft regulations are being prepared for public review and comment. The changes were extensive and the WSA will be conducting substantial public outreach to solicit comments from all stakeholders including public hearings scheduled for August 9th (at the Library), August 28th (at City Hall) and a date to be determined in September (at the WSA).

The WSA Finance Committee reviewed details of the sewer assessment regulation and plans extensive outreach and soliciting of public comments on that particular regulation.

Treatment Facility Operations and Maintenance (O&M)

Average flows to the treatment facility were up about a million gallons per day in April and May, due to the significant amount of rain, which indicates the WSA still has some work to do to remove storm-related inflows to the treatment facility. There were no permit violations in the last quarter and the facility achieved new records in April for discharges of carbonaceous biochemical oxygen demand (99.9% removal efficiency) and nitrogen (4.8 milligrams per liter).

Upgrades to the primary treatment process (installation of new mechanical solids removal equipment) are about 80% complete at this time. With the exception of some minor issues and delays related to fabrication of the equipment pre-purchased by the WSA, the project has gone smoothly with no problems with effluent permit compliance while treatment tanks were offline.

In June, the WSA received advanced notice of the Rhode Island Department of Environmental Management (RIDEM)'s proposed draft pollutant discharge permit for the WSA which contains new limits for metals and chloroform as well as additional effluent sampling requirements. The WSA has requested a meeting with RIDEM to discuss the proposed new permit and intends to contest it in its current form.

The WSA has engaged a consultant to assist in reviewing and revising the Industrial Pretreatment Program's local limits for carbonaceous biochemical oxygen demand (cBOD) in order to facilitate compliance with those limits for microbreweries proposing to establish

businesses in Warwick. The WSA is looking at mass-based limit (i.e., pounds per day) versus the current concentration-based limit which is impossible for breweries to meet.

WSA is moving ahead with full implementation of its computerized asset management system (eRPortal) with the initial focus on maintenance management utilizing the work order module. A significant effort was involved in entering capital asset information (total value of WSA assets is over \$200 million according to the FY16 financial audit). Next steps include preliminary assessment of major capital assets for condition, criticality, operational performance and cost of maintenance and replacement. WSA plans to expand this computer system in the future with the purchase of modules for capital planning/budgeting, project tracking, collection system management and an interface with WSA's Geographic Information System which contains substantial information about WSA's underground assets.

WSA continues to focus on its collection system Capacity Management Operations and Maintenance (CMOM) program. The Action Plan was finalized this quarter with activities being prioritized to achieve required performance levels and the collection system O&M plan is in the process of being updated.

Finally, the WSA is in the process of completing (with the assistance of an engineering consultant) a reaffirmation of its 2012 Facilities Plan. RIDEM requires 20-year facilities plans which must be reviewed every five years in order to remain eligible for project funding from the Clean Water State Revolving Fund.

Contract 91 (Treatment Facility Construction)

The new ACTIFLO® phosphorus removal system has been meeting the new permit limit of 0.1 milligrams per liter and work continues on punch-list items and project closeout. The most recent progress report from AECOM has been included with this report.

Contract 91A (Levee Improvements)

This project is complete as of June 30th. The WSA is in the process of compiling documentation required by the Federal Emergency Management Agency to request grant reimbursement of all project-related costs. The WSA is planning an event on August 1st to celebrate the completion of this project as well as the new phosphorus removal process.

CONTRACT 91/91A EXPENSE SUMMARY (as of June 30, 2017)						
Contractor	Original Contract Amount	Change Orders or Amendments	Total Contract Amount	Amount Paid to Date	%	Contract Amount Remaining
AECOM	\$ 1,803,900.00	\$ 79,865.00	\$ 1,883,765.00	\$ 1,719,676.24	91.3%	\$ 164,088.76
PARE	\$ 78,810.00	\$ 260,900.00	\$ 339,710.00	\$ 307,342.68	90.5%	\$ 32,367.32
Hart	\$14,479,000.00	\$ 784,655.17	\$15,263,655.17	\$14,644,046.28	95.9%	\$ 619,609.89
DeGregorio	\$ 2,465,460.00	\$ -	\$ 2,465,460.00	\$ 1,853,275.02	75.2%	\$612,184.98

Change Order No.	Date	Amount	Reason
1	10/23/2014	\$ 4,051.00	Raise drainage structure in levee for maintenance/access
2	11/20/2014	\$ 21,919.20	Additional clearing of area adjacent to Route 95 to facilitate levee maintenance
3	10/23/2014	\$ 22,247.07	Add drainage to north side of Animal Shelter
4	2/26/2015	\$(530,639.15)	Adjustments to Bid Item No. 8 for floodwall installation
6	12/18/2014	\$13,198.87	Modifications to sludge grinder pump piping
7	2/26/2015	\$ 911.05	Increase grating area
8	3/26/2015	\$ (35,332.07)	Junction chamber relocation/reconfiguration
10	7/23/2015	\$ 29,151.29	Fiber optic line reroute
11	6/18/2015	\$ 40,100.20	PCB removal work
12	5/20/2015	\$ 3,472.42	Upgraded grinder pump
13	11/19/2015	\$ 58,240.18	Phosphorus analyzers
14	6/18/2015	\$ 61,547.41	New frac tank for sludge storage
15	7/23/2015	\$ 39,576.68	Pre-stressed concrete cylinder pipe
16	9/17/2015	\$ 4,819.68	Extend low pressure scum line
17	10/22/2015	\$ 59,433.79	Clarifier concrete repairs
18	11/19/2015	\$ 9,771.27	Center clarifier electrical work
19	10/22/2015	\$ 14,643.07	Hydrocone modifications
22	11/5/2015	\$(357,276.00)	Credit for levee work
26	11/5/2015	\$ 644,375.00	Phase I levee construction
27	11/5/2015	\$ 635,850.00	Phase II levee construction
31	4/28/2016	\$ -	TIME EXTENSION -- substantial completion to June 30, 2016
32	<i>pending</i>		Seal water piping for propellor pumps
35	6/23/2016	\$ -	TIME EXTENSION -- substantial completion to October 31, 2016
36	9/22/2016	\$ 35,100.00	Install new mixer supplied by Kruger
37	8/25/2016	\$ 911.05	Additional signage
39	7/28/2016	\$ 8,583.16	Relocate drainage swale for Phase II levee
41	10/27/2016	\$ -	TIME EXTENSION--substantial completion to December 31, 2016
42	12/15/2016	\$ -	TIME EXTENSION -- substantial completion to March 31, 2017
Total Change Orders:		\$ 784,655.17	

Sewer Extension Planning & Construction (projects included in \$33 million bond authorization)

Governor Francis Farms Phase III (Contract 85 B) – The most recent progress report has been included with this report. The Purchase and Sales Agreement for the pump station lot was fully-executed on June 23rd. The WSA conducted groundwater testing and is performing other due diligence required prior to the closing which will be scheduled for late July. The WSA is planning to put this project out to bid in late July with the intention of getting some sewer construction completed in 2017. The WSA has scheduled a public hearing for July 20th and notices are being mailed to residents in the project area this week.

East Natick Phase III/O'Donnell Hill (Contract 69 A) – The most recent progress report has been included with this report. WSA is in the process of negotiating with several property owners for easements needed to connect this project to the East Natick I pumping station. That is the only issue remaining in order to finalize the bid specifications and plans. All permits are in hand.

Northwest Gorton Pond (Contract 88) –The most recent progress report has been included with this report. Engineering design continues to advance. Due to an amended federal Executive Order regarding flood risk management, the WSA is investigating locations outside the 500-year floodplain for the two new pumping stations that are part of this project.

Bayside (Contracts 86A & B) – The most recent progress report has been included with this report. At the May meeting, the WSA Board approved an amendment to the contract with Gordon Archibald, Inc. to hire Narragansett Improvement Company to perform construction-related services for the final archaeological investigations which are now well underway.

See attached Construction Project Data Table for a summary of information related to projects with revenue bond funding authorization.

Warwick Sewer Authority FY17 Budget Report

Fund 80 - Sewer Operations, Maintenance, and Administration

As of May 31 (92% of fiscal year complete)

	FY17 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of May 31	% Expended/ Collected
Personnel					
Sick Time & Other Leave	\$0		\$0	\$36,066	0.00%
Salaries	\$2,209,822		\$2,209,822	\$1,536,309	69.52%
Overtime	\$65,000		\$65,000	\$94,000	144.62%
Overtime Storm/Snow	\$10,000		\$10,000	\$6,498	64.98%
Easement Overtime	\$20,000		\$20,000	\$14,210	71.05%
Temporary Services	\$7,000		\$7,000	\$7,090	101.29%
Fringe Benefits	\$950,804		\$950,804	\$729,125	76.69%
Commodities					
Office Supplies & Equipment	\$11,800		\$11,800	\$7,156	60.64%
Print, Bind & Reproduction	\$18,200		\$18,200	\$11,530	63.35%
Advertising	\$3,500		\$3,500	\$838	23.94%
Postage	\$35,000		\$35,000	\$19,903	56.87%
Laboratory Supplies	\$22,500		\$22,500	\$14,344	63.75%
Gasoline	\$50,000		\$50,000	\$24,274	48.55%
Natural Gas	\$44,000		\$44,000	\$45,946	104.42%
Electricity	\$600,000	\$14,500	\$614,500	\$616,151	100.27%
Supplies - Safety Equipment	\$6,500	\$2,100	\$8,600	\$3,619	42.08%
Chemicals - Polymer	\$120,000		\$120,000	\$75,797	63.16%
Chemicals - Chlorine	\$54,000		\$54,000	\$35,002	64.82%
Chemicals - Dechlor	\$39,000		\$39,000	\$25,269	64.79%
Chemicals - Odor Control	\$207,000	(\$38,000)	\$169,000	\$131,875	78.03%
Chemicals - Alum	\$86,000		\$86,000	\$57,316	66.65%
Chemicals - Caustic	\$169,000	(\$29,000)	\$140,000	\$111,780	79.84%
Clothing	\$8,000	\$1,000	\$9,000	\$7,280	80.89%
Maintenance Materials	\$100,000		\$100,000	\$81,811	81.81%
Small Tools	\$3,000		\$3,000	\$2,681	89.37%
Deduct Meters	\$5,000		\$5,000	\$3,215	64.30%
Grinder Pumps	\$100,000	\$2,000	\$102,000	\$101,035	99.05%
Easement Maintenance	\$7,500		\$7,500	\$4,462	59.49%

	FY17 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of May 31	% Expended/ Collected
Services					
Travel	\$500		\$500	\$291	58.20%
Training & Education	\$7,500	\$6,000	\$13,500	\$12,909	95.62%
Telephone	\$22,000		\$22,000	\$14,326	65.12%
Water Usage	\$8,000	\$2,500	\$10,500	\$11,221	106.87%
Equipment Repair	\$80,000		\$80,000	\$68,795	85.99%
Tax Sale	\$25,000		\$25,000	\$0	0.00%
Insurance	\$210,358		\$210,358	\$157,768	75.00%
Auto Maintenance	\$22,000	\$2,000	\$24,000	\$18,712	77.97%
Service Contracts	\$83,945		\$83,945	\$59,367	70.72%
Insured Accidents	\$0		\$0	\$5,731	0.00%
Professional Services	\$84,000	\$5,000	\$89,000	\$35,182	39.53%
Construction Services	\$135,000		\$135,000	\$109,175	80.87%
Sludge Removal	\$955,200	\$6,000	\$961,200	\$726,973	75.63%
Administration	\$114,158		\$114,158	\$69,880	61.21%
DEM - User Fees & Permits	\$3,370		\$3,370	\$3,370	100.00%
Testing & Lab Samples	\$46,400		\$46,400	\$29,852	64.34%
Engineering Services	\$80,000	\$67,000	\$147,000	\$128,909	87.69%
Sewer Connection Grants	\$41,100	(\$41,100)	\$0	\$0	0.00%
Public Outreach	\$4,000		\$4,000	\$85	2.13%
Services - Other	\$49,800		\$49,800	\$28,401	57.03%
Other Expenditures					
West Warwick WWTF	\$47,000		\$47,000	\$15,484	32.94%
Debt Service					
Paying Agent Fees	\$12,600		\$12,600	\$10,500	83.33%
Renew & Replacement	\$10,000		\$10,000	\$0	0.00%
Debt Service	\$10,735,384	\$456,000	\$11,191,384	\$11,191,384	100.00%
Debt Interest	\$2,276,232		\$2,276,232	\$2,276,206	100.00%
Sewer Connection Loan Default	\$5,000		\$5,000	\$0	0.00%
Infrastructure Replacement	\$884,945	(\$456,000)	\$428,945	\$0	0.00%
Misc Capital Expenditures	\$550,000		\$550,000	\$197,331	35.88%
Total Expenses	\$21,446,118		\$21,446,118	\$18,976,434	88.48%

	FY17 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of May 31	% Expended/ Collected
Revenues					
Industrial Pretreatment Fees	\$359,000		\$359,000	\$293,930	81.87%
Sewer Usage Fees	\$11,887,691		\$11,887,691	\$11,999,593	100.94%
Capital Account/Meters	\$5,000		\$5,000	\$3,377	67.54%
Energy Buyback Revenue	\$18,000		\$18,000	\$2,187	12.15%
Pretreatment Application Fees	\$6,000		\$6,000	\$10,475	174.58%
Sewer Service Charge	\$4,074,127		\$4,074,127	\$4,092,855	100.46%
Engineering Review Fees	\$6,600		\$6,600	\$7,800	118.18%
Sewer Assessment Fees	\$4,720,000		\$4,720,000	\$3,333,837	70.63%
Septage Dumping Fees	\$44,000		\$44,000	\$23,997	54.54%
Sewer Insurance	\$8,400		\$8,400	\$10,672	127.05%
Lease Income	\$41,100		\$41,100	\$41,100	100.00%
Pretreatment Fines	\$0		\$0	\$2,850	0.00%
Miscellaneous Income	\$4,000		\$4,000	\$4,675	116.88%
Sewer Connection Permits	\$37,500		\$37,500	\$32,975	87.93%
Reimburse - Grinder Pumps	\$32,000		\$32,000	\$25,900	80.94%
Sewer Tax Title Revenue	\$25,000		\$25,000	\$0	0.00%
Interest on Investments	\$1,200		\$1,200	\$7,141	595.08%
Interest Income	\$175,000		\$175,000	\$495,250	283.00%
SLA Administrative Fee	\$500		\$500	\$700	140.00%
SLA Inspection Fee	\$1,000		\$1,000	\$1,151	115.10%
Total Revenues	\$21,446,118		\$21,446,118	\$20,390,465	95.08%

NOTES:

1. Depreciation expense of approximately \$1.5 Million will be added by auditors when preparing the Sewer Fund balance sheet.
2. Current balance in **Renewal & Replacement Fund** is approximately \$334,000 (with an additional \$2,000,000 due from Fund 80).
3. **Debt Service Reserve Funds** (created with a portion of the proceeds from all revenue bond loans) currently totals \$3,200,000 to be used for final years of loan payments (starting in about 10 years).
4. There are other smaller Funds established and maintained for various purposes including Inflow & Infiltration Fund approximately (\$165,000), Sewer Line Agency Fund (revolving account for miscellaneous sewer line extensions paid for by private developers and property owners, about \$250,000).

**WARWICK SEWER AUTHORITY
 CONTRACT 91: PHOSPHORUS REMOVAL UPGRADE / FLOOD
 CONTROL AND MITIGATION
 MAY/JUNE 2017 PROGRESS REPORT
 June 20, 2017**

This Progress Report summarizes activity between May 20, 2017 and June 16, 2017 on Contract 91: Phosphorus Removal Upgrade/Flood Control & Mitigation Project, and provides a look ahead.

Progress

- Performance testing is complete
- Punch/incomplete work and warranty items
- 30 day test complete on train two; train one ongoing

Look Ahead

- Continuation of punch/incomplete work/warranty items
- Continuation of 30 day testing on train two

Progress Items

No.	Item	Task For	Status
1	Administrative		
	Time extension, substantial completion and close out paperwork	AECOM, Hart, WSA	Ongoing
	Record drawings	AECOM, Hart	Drafting is approximately 40% complete and ongoing; drafting continues for the remainder of those submitted
	O&M Manual	AECOM	Final submitted electronically on 6/20/17; hard copies to follow
2	Construction		
	Punch list/Warranty Items	Hart, AECOM	Punch list approximately 70% complete as of 6/19/17; warranty items ongoing
3	Startup, Troubleshooting and Testing		
	Startup of mixer and small polymer pump	Hart/WSA	Completed and considered effective; Warranty issue on VFD under evaluation.
	Provide two additional polymer pumps	Kruger	Ongoing assessment of provided poly pump; awaiting low flow for check-out.

Phosphorus Removal/Flood Control and Mitigation
Warwick Sewer Authority

	Performance testing	Hart, Kruger, AECOM	<p>5-day performance tests completed on both trains with results showing permit compliance. Weekly April and May compliance testing showed compliance with permit. Kruger submitted a preliminary testing report that was reviewed. A revised report is expected soon.</p> <p>Per above, 30-day testing on train two was completed successfully; train one is ongoing.</p>
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Gordon R. Archibald, Inc.
Civil and Environmental Engineers

June 19, 2017

PROGRESS REPORT
GOVERNOR FRANCIS PHASE III

Work this Period:

1. Purchase and sales agreement is still in process.
2. Administrative Subdivision plan will be submitted upon purchase agreement between WSA and Owner.
3. A zoning application will be filed for the pump station upon a signed purchase and sales agreement.

Design Schedule:

Tasks	2017																	
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan.	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept
Final Design																		
• Plans and Specifications																		
• Pumping Station																		
- Civil																		
- Mechanical																		
- Electrical																		
• Utility Company Reviews																		
• Land Acquisition & Zoning																		
• RIDEM Order of Approval																		
• RIDEM RICRMC Approval																		
Construction Bid Documents																		
Advertise, Bids & Award																		
Construction																		

Legend
 GRA - Tasks
 WSA - Tasks
 Agency Reviews
 Contractor



PROGRESS REPORT
EAST NATICK – PHASE 3 (O'DONNELL HILL)

DATE JUNE 17, 2017
PROJECT NUMBER 04635.00
INVOICE NUMBER

PROFESSIONAL SERVICES FROM MAY 21, 2017 TO JUNE 17, 2017

PROJECT SUMMARY:

FILE REVIEW

Completed

BASE PLAN MODIFICATIONS

Completed

DESIGN PLAN, SPECS & EST. MOD.

Completed

ADDITIONAL SERVICES BEYOND SCOPE OF CONTRACT

No work this period

CONSTRUCTION BIDDING SERVICES

No work this period

WETLANDS BIOLOGIST

Completed

PRINTING

No work this period

CONTRACT AMENDMENT #1

Completed

CONTRACT AMENDMENT #2

No work this period

CONTRACT AMENDMENT #3

Alternative for Sewer Line to Eliminate Easement.



PROGRESS REPORT
SANITARY SEWER IMPROVEMENTS – NORTHWEST GORTON POND

DATE JUNE 17, 2017
PROJECT NUMBER 6342.01
INVOICE NUMBER

PROFESSIONAL SERVICES FROM MAY 21, 2017 TO JUNE 17, 2017

PROJECT SUMMARY:

FINAL DESIGN – PLAN PREPARATION
Completed.

FINAL DESIGN – SPECS & QUANTITIES
Completed this Period.

FINAL DESIGN – PUMP STATION & FORCE MAIN PLANS
Completed this Period.

FINAL DESIGN REIMBURSABLES
No work this period

CONTRACT AMENDMENT #4

FILE REVIEW AND PROJECT RESTART
Completed.

LAND SURVEYS
Completed.

AERIAL MAPPING
Completed

PLAN PREPARATION OF COLLECTION SYSTEM
Splitting Plans into 2 Contract Plan Sets.

CONTRACT SPECS, QUANTITIES & ESTIMATE
No work this period.

(2) PUMP STATION AND FORCE MAIN DESIGN PLANS / DETAILS
Investigated Location of Proposed Pump Stations regarding FEMA Flood Plains.
New FEMA Flood Plain Sketches for Meeting.
Meeting with Warwick Sewer Authority.



Gordon R. Archibald, Inc.
Civil and Environmental Engineers

June 19, 2017

PROGRESS REPORT
BAYSIDE SEWERS PROJECT

Work this Period:

1. WSA and EPA completed and signed the Memorandum of Agreement (MOA).
2. GRA has coordinated and collected service connection cards from approximately 400 homeowners.
3. GRA prepared and sent second notice for service card connection and for the start of archaeological investigations.
4. GRA continues to prepare project base plans.
5. GRA mark proposed test pit locations for dig safe and archaeological investigations.
6. PAL, Inc. began archaeological field investigations.

WSA Construction Project Data Table as of 6-30-17

As Of: 06/30/17

PROJECT STATUS Updated Since Last Report

Projects Included in \$33 Million Revenue Bond Authorization

Project Name	Design Completion Date	Design Percent Complete	Design Certificate of Approval	Construction Certificate of Approval	Order of Approval	Construction Completion Date	Construction Percent Complete
East Natick III (O'Donnell Hill)	Preparing to bid in 2018	97%	N/A	5/16/16	N/A		
Northwest Gorton Pond	Still Planning for 2017	80%	N/A				
Governor Francis III	Preparing to bid in 2017	99%	8/4/2008	12/27/2016	9/19/2016		
Bayside 86A-1 (Tidewater Interceptor)	05/01/15	100%	5/16/2006	7/7/2015	7/7/2015	09/04/15	100%
Bayside 86B (Tidewater Interceptor and Lateral Pressure Sewers)	Still Planning for 2017	35%	5/16/2006				

Projects Included in \$23 Million Revenue Bond Authorization

Project Name	Design Completion Date	Design Percent Complete	Design Certificate of Approval	Construction Certificate of Approval	Order of Approval	Construction Completion Date	Construction Percent Complete
AWT Phosphorus Upgrade	12/31/13	100%	N/A	3/14/2014	4/3/2013		99%
AWT Levee Improvement	12/31/13	100%	N/A	3/14/2014	4/3/2013		95%
Primary Clarifier Rebuild	12/01/16	100%	N/A	3/7/2017	N/A		75%

PROJECT EXPENSES

Projects Included in \$33 Million Revenue Bond Authorization

WSA Construction Project Data Table as of 6-30-17

Project Name	Design Expenditures	Land Acquisition	Construction Expenditures	Inspection Expenditures	Traffic Details Expenditures	Miscellaneous Expenditures	Expenditures to Date	RI Infrastructure Bank Payments	To be Reimbursed by FEMA
East Natick III (O'Donnell Hill)	\$30,537.50	N/A	\$0.00	\$0.00	\$0.00	\$800.00	\$31,337.50	\$7,177.50	N/A
Northwest Gorton Pond	\$267,955.83	N/A	\$0.00	\$0.00	\$1,427.43	\$0.00	\$269,383.26	\$0.00	N/A
Governor Francis III	\$208,794.17	\$3,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$212,294.17	\$45,891.00	N/A
Bayside 86A-1 (Tidewater Interceptor)	\$11,511.25	N/A	\$302,841.88	\$26,793.73	\$1,105.19	\$0.00	\$342,252.05	\$330,740.80	N/A
Bayside 86B (Tidewater Interceptor and Lateral Pressure Sewers)	\$471,357.68	N/A	\$0.00	\$0.00	\$24,094.21	\$103,687.32	\$599,139.21	\$599,139.21	N/A

Projects Included in \$23 Million Revenue Bond Authorization

Project Name	Design Expenditures	Land Acquisition	Construction Expenditures	Inspection Expenditures	Traffic Details Expenditures	Miscellaneous Expenditures	Expenditures to Date	RI Infrastructure Bank Payments	To be Reimbursed by FEMA
AWT Phosphorus Upgrade	\$749,457.85	N/A	\$12,368,222.05	\$1,615,852.82	\$0.00	\$448,190.96	\$15,181,723.68	\$14,970,136.71	N/A
AWT Levee Improvement	\$147,312.96	N/A	\$4,129,099.25	\$408,240.93	\$0.00	\$0.00	\$4,684,653.14	\$0.00	\$3,600,000.00
Primary Clarifier Rebuild	\$42,243.44	N/A	\$76,921.50	\$32,038.00	\$0.00	\$0.00	\$151,202.94	\$0.00	N/A

Cost of Issuance and Debt Service Reserve for all borrowing: \$1,751,432.42
 Total Bond Authorization Utilized: \$17,704,517.64
 Total Bond Authorization Remaining (of \$56 Million): \$38,295,482.36