



CAPITAL DISTRICT  
**Regional  
Planning  
Commission**

One Park Place, Suite 102 | Albany, New York 12205  
(518) 453-0850 | (518) 453-0856, fax | www.cdrpc.org

September 13, 2019

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Ryan Waldron, P.E.  
Wastewater Permits Section  
Division of Water  
NYSDEC  
625 Broadway, 4<sup>th</sup> Floor  
Albany, NY  
12233-3506

Re: Albany Pool Communities First Term Semi-Annual Report, 2019

Mr. Waldron,

As the designated Program Coordinator on behalf of the Albany Pool Communities CDRPC herewith submits to the Department the Albany Pool Communities 2019 First Term Semi-Annual Report. This Semi-Annual Report sets forth the status of progress made by the Pool Communities and two County Sewer Districts in complying with the milestones set forth in the Order between January 1, 2019 and June 30, 2019.

If you have questions about this report, please do not hesitate to contact me.

Best,

Martin Daley  
Director of Water Quality Programs/ Albany Pool Communities CSO LTCP Project Manger

Albany Pool Communities  
Combined Sewer Overflow Long Term Control Plan

CSO Order on Consent  
DEC Case #CO 4-20120911-01

SEMI-ANNUAL STATUS REPORT

**First Term, 2019**  
**(January 1, 2019 – June 30, 2019)**

**September 13, 2019**

## 1.0 INTRODUCTION

The Albany Pool Communities Combined Sewer Overflow Long Term Control Plan Order on Consent (DEC Case #CO 4-20120911-01) was entered into by the Albany Pool Communities (APCs), Albany County Water Purification District, the Rensselaer County Sewer District (Collectively the Respondents) and The New York State Department of Conservation (DEC) on January 15<sup>th</sup>, 2014. Six municipalities in the greater Albany area of New York State make up the Albany Pool Communities and consist of the Cities of Albany, Cohoes, Rensselaer, Troy and Watervliet, and the Village of Green Island. Pursuant to the Order, Respondents shall submit written Semi-Annual Status Reports to the Department. The Semi-Annual reports shall describe the actions that have been taken toward achieving compliance with this Order during the past 6-month period. This Semi-Annual Report sets forth the status of any progress made by the Pool Communities and two County Sewer Districts in complying with the milestones set forth in the Order between **January 1, 2019 and June 30, 2019**.

## 2.0 CRITICAL EVENTS THIS TERM

None.

## 3.0 MAJOR ACTIONS THIS TERM

The “Beaver Creek Clean River Facility” Basis of Design Report by the Albany Pool Joint Venture Team was submitted to EFC and NYSDEC for review. The Albany Water Board and the Albany County Water Purification District are entering into a Memorandum of Agreement in regard to replacement of the screens at the South Plant as part of the project. This Memorandum of Agreement was approved by the Albany Water Board and the Albany County legislature and is expected to be fully executed in September 2019. The APJVT will complete detailed design by the end of 2019. The Albany Water Board intends to advertise for bids and award a contract in 2020. The Albany Water Board has applied for a NYSDEC WQIP grant of \$10 million for this project.

## 4.0 PERFORMANCE AGAINST ORDER DEADLINES

Additional details on project development can be found in the project sheets, Appendix A.

**Table 1 – Milestones Certified this Term (January 1, 2019 – June 30, 2019)**

Unique Identifier	Item Description	Responsible Party (LTCP)	Project Location	Action Required	LTCP Milestone Date	Milestone Met	Status
GI-06	Documentation/Reporting of New Public and Private Green Projects	APCs	N/A	Task Completion	3/1/9	3/1/19	Task has been completed. Summary

							report provide in Second Term, 2018 semi-annual report
AWP-07	Hudson River Water Quality Public Advisory	APCs	N/A	Task Completion	4/1/19	3/28/19	Task completed. New website is live and collateral materials have been distributed.
SSS-09	Mereline Combined Sewer Storage	APCs	Albany	NTP to Construction	4/1/19	3/27/19	Project is on schedule
SSS-08	123 <sup>rd</sup> St. Stream Separation	APCs	Troy	NTP to Construction	4/1/19	3/29/19	Project is on schedule
PIW-02	Evaluation of Secondary Clarification Improvements	RCSD	RCSD	Task Start date	6/1/19	4/4/19	Project is on schedule

## 5.0 DEADLINES FOR UPCOMING REPORTING PERIOD AND ASSOCIATED ISSUES

Table 2, below, reflects the activities and deadlines established in Appendix B of the Order during the upcoming six-month reporting period. No issues or delays are anticipated. More details on project status can be found in the project sheets, Appendix A of this report.

**Table 2 – Milestones next Term (July 1, 2019 – December 31, 2019)**

Unique Identifier	Item Description	Responsible Party (LTCP)	Project Location	Action Required	LTCP Milestone Date	Status
STCF-01	Floatables Control Facility for CSO 026 Outfall (Regulators Maiden, Stueben and Orange)	APCs	Albany	Construction Completion Date & Operational Start Up Date	12/15/19	Project is on schedule
STCF-02	Floatables Control Facility for CSO 030 Outfall (Regulators Quackenbush,	APCs	Albany	Construction Completion Date &	12/15/19	Project is on schedule

	Jackson and Livingston)			Operational Start Up Date		
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## 6.0 DESCRIPTION OF ADDITIONAL WORK PERFORMED

Project sheets for Compliance Schedule projects that have been completed, or are active during this reporting period are included with this report as **Appendix A**.

## 7.0 COMMUNITY RELATIONS

CDRPC has transferred the CSO program to a stand-alone website, [albanypoolcso.org](http://albanypoolcso.org). This website has a more user-friendly layout as well as a cohesive brand and materials for communicating with the public. A limited set of graphical information is provided to the public, including carefully selected metrics from the PCCMP reports, which remain available. This communicates a clear and effective yardstick on the CSO impacts on the Hudson and the progress of the CSO program. A brochure has been developed and was distributed to the communities. It also conveys static program elements – including baseline and end of program goals. An Annual Report template has been completed, this will be part of the year-end report and we anticipate releasing it in the fall to coincide with the Floatables Control Facility completion – a major milestone. This will also supplement the annual report made to NYSDEC but will be streamlined in effort to make it more user-friendly for the general public.

CDRPC staff attends monthly MS4 working group meetings for both Albany and Rensselaer County, informing coalition members on the progress of the LTCP. CDRPC is also a participant of the Albany County Water Quality Working Group, a body that also meets monthly, to share program progress.

I certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that this document and its attachments were prepared under my direction or supervision in a manner designed to ensure that qualified and knowledgeable personnel properly gather and present the information contained therein. I further certify, based on my inquiry of those individuals immediately responsible for obtaining the information, that I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

City of Rensselaer  
Municipality / Entity

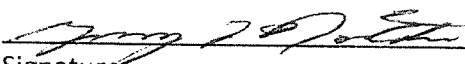
  
Signature

MARK HENDRICKS  
Name

ENGINEERING AIDE  
Title

9/12/19  
Date

City of Cohoes  
Municipality / Entity

  
Signature

George N. Smith  
Name

CITY ENGINEER  
Title

9/12/19  
Date

City of Troy  
Municipality / Entity

  
Signature

Chris Whelan  
Name

Superintendent  
Title

9/12/19  
Date

City of Albany  
Municipality / Entity

  
Signature

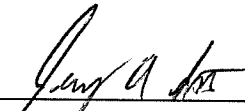
William D. Simcoe  
Name

Deputy Commissioner  
Title

9-12-19  
Date

City of Watervliet  
Municipality / Entity

Village of Green Island  
Municipality / Entity

  
Signature

Sean E. Ward  
Signature

Jeremy A. Smith  
Name

Sean E. Ward  
Name

General Manager  
Title


Executive Assistant to the Mayor  
Title

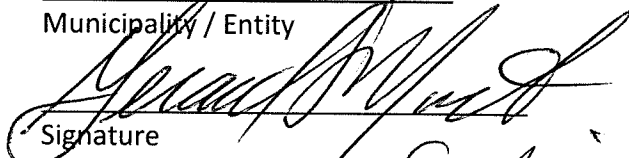
9/12/19  
Date

September 11, 2019  
Date

Albany County Water Purification District  
Municipality / Entity

Rensselaer County Sewer District  
Municipality / Entity

  
Signature

  
Signature

Timothy S. Murphy  
Name

GERARD S. Moscinster  
Name

Project Developer  
Title

Admin. Director  
Title

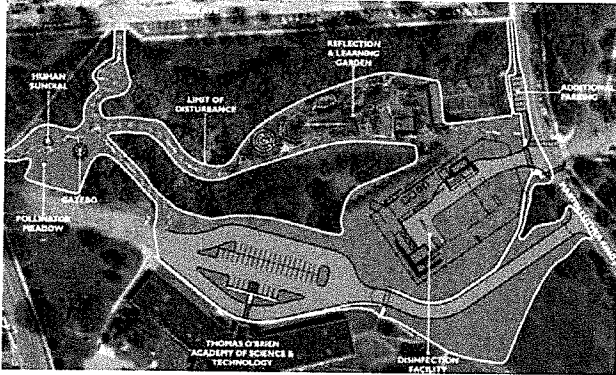
9-12-19  
Date

9/12/19  
Date

## **Appendix A: Project Sheets**



**STCF-03**  
**Beaver Creek Clean River Project**  
**(AKA "Big C" Disinfection and Floatables Control Facility)**  
**City of Albany**



**Project Description:**

The proposed satellite treatment facility provides CSO controls for flows up to 75 mgd to reduce floatable and fecal coliform discharges to the Hudson River. The "Big C" Disinfection Project would provide treatment consisting of screening and disinfection for an additional ~285MGal on an average annual basis.

**Purpose:**

The project provides a cost-effective, regional solution to enhance the "recovery time" for the Hudson River during periods of combined sewer overflows; and contributes to the treatment of greater than 85% of all wet weather flows from a regional perspective.

**Contact Information:**

Albany Water Board  
 William Simcoe  
 (518) 434-5300 / [wsimcoe@albanyny.gov](mailto:wsimcoe@albanyny.gov)

Consent Order Milestones	Date Milestone Met
Begin Preliminary Design Report: 8/1/15	7/8/2015
Completed Preliminary Design Report: 8/1/16	8/1/2016
Begin SEQR & Eminent Domain Process: 2/1/17	1/12/15 and 1/20/2017
Completed SEQR & Eminent Domain Process: 2/1/21	
Begin Final Design: 12/15/18	12/7/2018
Completed Final Plans & Specifications: 10/1/20	
NTP to Construction: 4/1/21	
Construction Completion Date: 12/15/22	

SPEDES Permit #	NY-0025747
LTCP Projected Project Cost	\$45,000,000
Total Construction Cost	\$1,309,102.95 (to date)
Owned By	Albany Water Board
CSO Outfall No.	A-16
Grant Funding or other sources	NYSEFC IMG: \$10,000,000 and NYSEFC CWIIA Grant: \$989,177
Annual Volume Captured (Mgal)	TBD
Annual Percent CSO Reduction (%) (Pool-Wide)	TBD

## Project Status:

**5/14/15:** Preliminarily examining of the last leg of the Beaver Creek for options to consider siting of the facility.

**10/08/15:** The water board is reviewing a scope and fee proposal from the JVT for the preliminary design report.

**1/14/16:** The Albany Water Board has retained the APJVT to begin the preliminary design of the facility.

**4/14/16:** Work is underway to evaluate potential locations, disinfection, and screening technologies. Characterizing wet weather flow in and to the Beaver Creek will begin shortly.

**7/14/16:** The Albany Water Board has made significant headway and met with DEC to review progress.

**10/16/16:** A preliminary design report for this facility was submitted to DEC on 8/1/16.

**3/1/17:** The Albany Water Board is presently working with the City of Albany leadership. Their consultants continue to advance the public education and outreach program for the project. There was a meeting at the offices of the City of Albany Department of Water & Water Supply on January 20<sup>th</sup>, 2017, in regard to this project. Attending were Mayor Kathy Sheehan, the Mayor's Chief of Staff Brian Shea, Council Member Richard Conti, Council Member Cathy Fahey, Commissioner Joe Coffey, Deputy Commissioner Bill Simcoe and Mike Miller of CHA. The next step in the outreach process is to identify additional stakeholders and community leaders and reach out to these individuals and organizations. A certificate and memo for the milestone "Begin SEQR and Eminent Domain Process" has been submitted to the Department.

**6/1/17:** Preliminary layout for piping and structure is complete. The AWB has submitted this project to the State Intended Use Plan and is pursuing WIIA and IMG funding.

**9/1/17:** WIIA and IMG funding applications have been submitted for this project.

**1/11/18:** The City was awarded funding through the NYSEFC WIIA and IMG grant programs for this project. The 30% engineering plan will be completed in the first quarter of 2018. Public presentations will occur in the first quarter of 2018.

**3/1/18:** No update at this time.

**2/13/19:** The City has set up a project website at <https://www.albanyny.gov/Government/Departments/WaterAndWaterSupply/BeaverCreekCleanRiverProject.aspx>. The website contains access to presentations, FAQs, images and a video walk through of GI proposed for the Park. A community advisory committee was established and met regularly to advise the Water Board and provide feedback. A series of public meetings were held at the Thomas O'Brien School and at Neighborhood Association Meetings. The City revised the original park plan slightly to incorporate modifications that address community

concerns about truck traffic, visual impact and storage of screenings. The City and County are working an agreement that would allow for the Beaver Creek facility to send floatables through a bypass to the 3<sup>rd</sup> avenue dedicated, separated storm line, bypassing the regulator, and going straight to the plant – where they will be screened out by new, more restrictive screens owned by the county but installed by the city. This proposal would allow for the primary above ground park building to be significantly reduced in size, the elimination of storage and trucking of screenings from the park and a significant increase in screening for all of the flow coming into the District's south plant – not just screening of "Big-C" flow. The Water Board has continued to make adaptations to the proposed park improvements and GI infrastructure in response to community input. The project is advancing well ahead of the Order's mandated deadlines.

**9/1/19:** The Basis of Design Report by the Albany Pool Joint Venture Team was submitted to EFC and NYSDEC for review. The Albany Water Board and the Albany County Water Purification District are entering into a Memorandum of Agreement in regard to replacement of the screens at the South Plant as part of the project. This Memorandum of Agreement was approved by the Albany Water Board and the Albany County legislature and is expected to be fully executed in September 2019. The APJVT will complete detailed design by the end of 2019. The Albany Water Board intends to advertise for bids and award a contract in 2020. The Albany Water Board has applied for a NYSDEC WQIP grant of \$10 million for this project.

**SSS-09**  
**Mereline Combined Sewage Storage**  
**City of Albany**

Consent Order Milestones	Date Milestone Met
Completed Plans & Specifications: 10/1/18	7/27/17
NTP to Construction: 4/1/19	3/17/19
Construction Completion Date: 12/15/20	
Operational Start-Up Date: 12/15/20	

**Project Description:**

Connection of catch basins in the Mariette Place vicinity to a storage facility to reduce peak flows conveyed to the CSS.

**Purpose:**

Reduces local flooding and reduces both the incidence and frequency of combined sewer discharge to the surface, as well as reducing the frequency and intensity of CSO events.

**Contact Information:**

Albany Water Board  
 William Simcoe  
 (518) 434-5300 / [wsimcoe@albanyny.gov](mailto:wsimcoe@albanyny.gov)

SPDES Permit #	NY-0025747
LTCP Projected Project Cost	\$640, 000
Total Construction Cost (minus in-kind)	\$43,306.25 (to date)
Owned By	City of Albany
CSO Outfall No.	A-13
Grant Funding or other sources	None
Annual Volume Captured (Mgal)	TBD
Annual Percent CSO Reduction (%) (Pool-Wide)	TBD

**Project Status:**

**7/14/16:** The Albany Water Board is reviewing the scope of the project with Barton & Loguidice engineering.

**3/1/17:** This project is advancing ahead of schedule. The City is looking to incorporate Green Infrastructure elements in to this project.

**9/15/15:** At this time engineering proposals have been provided by Barton and Loguidice.

**1/11/18:** The Engineering contract was awarded to Barton and Loguidice on 10/11/17.

**3/1/18:** No update at this time.

**9/10/18:** The project is on schedule for on time plan and spec submittal.

**2/13/19:** The project has been advertised for bids and a bid date was set for March 5<sup>th</sup>.

**9/1/19:** The construction contract was awarded in March of 2019. Construction is underway. Completion is anticipated by the summer of 2020.

## BMP-10 Outside Community Metering Troy, NY

**Project Description:**

Monitoring of flows from outside communities to track I/I impacts on interceptor capacities; include up to 8 connections to Troy system. SCADA connections included to Troy and RCSD for automated reporting of metered flows.

**Purpose:**

Provides supporting data to encourage outside communities to address I/I issues; while tracking available capacity for future development as well as potential billing purposes.

Consent Order Milestones	Date Milestone Met
Completed Plans & Specifications: 10/1/17	9/29/17
Construction Start Date: 4/1/18	3/29/18
Construction Completion Date: 12/15/18 <i>(Forbearance granted until 6/30/19)</i>	6/21/2019
Construction Completion Date: 12/15/18 <i>(Forbearance granted until 6/30/19)</i>	6/21/2019

**Contact Information:**

Chris Wheland  
City of Troy Public Utilities  
(518) 237-0438 / Chris.Wheland@troyny.gov

SPDES Permit #	NY-009 9309
LTCP Projected Project Cost (Millions)	\$2.07
Total Construction Cost (minus in-kind)	TBD
Owned By	City of Troy
Affected Waterbodies	Hudson River
Grant Funding or other sources	None
Annual Volume Captured (Mgal)	N/A
Annual Percent CSO Reduction (%) (Pool-Wide)	N/A

## **Project Status:**

**9/15/17:** Plan and spec submission is on schedule.

**1/11/17:** Plan and specs were submitted to NYSDEC on September 29, 2017. DEC approved the plan and spec on 11/10/17. The City is preparing to bid the project.

**9/10/18:** The project was awarded to the contractor, Luizzi Bros. The project is on schedule. Structure delivery is anticipated the week of the September 10th. Installation will occur in September and October.

**2/9/18:** Four of the five metering structures were installed by the Order deadline. As part of the design, CDM Smith had MJ Engineering and Land Surveying, P.C. complete a utility survey of the proposed meter vault location on Hoosick Street. Utilities (primarily gas, water and storm sewers) were identified within proximity of the proposed meter vault; however there appeared to be sufficient clearance to install the meter structure in this preferred location. The location included in the design was outside the limits of Hoosick Street travel lanes. When Dig Safe was called to mark out the meter vault locations on September 19, 2018, the mark-outs identified two 6-inch gas lines and a Verizon duct bank installed in the same path as the City's sewer. The City orally communicated their concern for a potential delay at the October 11<sup>th</sup> quarterly meeting with DEC. At this time, it was not certain a delay would occur, and the City communicated that if, after further evaluation, project modifications would be needed, and a delay was eminent, that they would be requesting a modification to the Order deadline due to the unforeseen circumstances and expressed that the project's potential delay would have no impact on water quality on the receiving water. On October 19, 2018 the city of Troy had the contractor hydro excavate to determine exact locations of the gas mains and duct bank. The hydro excavation proved that the utilities are in direct conflict with the proposed metering vault. The City recognizing that the need to relocate the structure underneath the street's travel lanes would require lengthy coordination with NYSDOT for winter construction that the Agency rarely permits. The City submitted a modification request for the completion deadline for this single metering structure to the Department on October 24, 2018. The City requested additional time to relocate the structure, coordinate with NYSDOT and mobilize the contractor for a new target completion and operational start-up date of June 30, 2019. The Department declined the request to modify the deadline but did grant forbearance in consideration of the City meeting the June 30<sup>th</sup> deadline. The Department requested revised plan and spec from the City for the Hoosick St. metering structure. The revised plan and spec were submitted to DEC on January 3, 2019 and approved by the Department on February 8, 2019. The city has submitted for a permit from NYSDOT for the work and is awaiting a response. Once approved and weather permitting the city and contractor will move forward with completion of the last meter installation.

**4/25/19:** Metering will be transferred to the RCSD. Flow from the metering locations will be monitored and totalized in a control panel at the Troy WTP. Monthly reports will be generated summarizing the daily minimum, average and maximum flows in addition to monthly totals and transmitted to RCSD.

**6/26/19:** NYSDOT issued the permit for installation in Hoosick street and the fifth and final meter was installed the week of June 17<sup>th</sup>. National Grid energized the meter and **the project is complete.**

**SSS-08**  
**123<sup>rd</sup> Street Sewer Separation**  
**Troy, NY**

**Project Description:**

Divert unnamed stream from combined sewer.

**Purpose:**

Removal of inflow from CSS to increase conveyance of wet-weather flows, and reduce the frequency and volume of CSOs.

**Contact Information:**

Chris Wheland  
 City of Troy Public Utilities  
 (518) 237-0438 / Chris.Wheland@troyny.gov

Consent Order Milestones	Date Milestone Met
Completed Plans & Specifications: 10/1/18	10/1/18
NTP to Construction: 4/1/19	4/1/19
Construction Completion Date: 12/15/20	
Operational Start-Up Date: 12/15/20	

SPDES Permit #	NY-009 9309
LTCP Projected Project Cost (Millions)	\$4.54
Total Construction Cost (minus in-kind)	\$0
Owned By	City of Troy
Affected Waterbodies	Hudson River
Grant Funding or other sources	None
Annual Volume Captured (Mgal)	TBD
Annual Percent CSO Reduction (%) (Pool-Wide)	TBD

**Project Status:**

**9/15/17:** No update at this time.

**1/9/18:** CDM Smith is developing plans and specifications to comply with the 10/1/18 deadline.

**3/1/18:** The City will be holding a design meeting on March 5.

**9/10/18:** Project is on schedule for plans and specs submittal. Borings are complete, and design is at 75%.



**2/13/19:** The city submitted plans and specs to the Department on 10/1/18. The Department provided comments on the plans to the City on 11/28/18. The city and CDM Smith have reviewed the comment and there is not a concern of the 30" stormwater line going to a 24" inch line due to the current flows and the pitch of the 24 inch line. CDM had a verbal discussion with DEC. The SEQRA short form has been submitted along with the application to DEC and Army Corp of Engineers. The city is also in contact with the Albany Dioceses to obtain an easement on a portion of the St. John's Cemetery where the inlet structure will be located.

**9/1/19:** Project has been bid and awarded to New Castle Paving. Due to restrictions on land clearing due to bat population, project is anticipated to start in October 2019 and be completed by the end of 2019( weather permitting). This is well before the deadline of December 30, 2020.

## SSS-10 Columbia Street Phase II Separation Cohoes

**Project Description:**

Continuation of the sewer separation and rehabilitation work along Columbia Street.

**Purpose:**

Reduction of stormwater flows and infiltration to the CSS, thereby reserving conveyance capacity with the CSS and reducing the frequency and intensity of CSO events.

**Contact Information:**

City of Cohoes  
Gary Nathan, PE  
(518) 233-2131 / gnathan@ci.cohoes.ny.us

Consent Order Milestones	Date Milestone Met
Completed Plans & Specifications: 10/1/22	
NTP to Construction: 4/1/22	
Construction Completion Date: 12/15/22	
Operational Start-Up Date: 12/15/22	

SPDES Permit #	NY-003 1046
LTCP Projected Project Cost:	\$3,800,000
Total Cost:	TBD
Total Construction Cost (minus grant and in-kind)	
Owned By	City of Cohoes
CSO Outfall	C-008, 015
Grant Funding or other sources	NYSEFC EPG \$72,000
Annual Volume Captured (Mgal)	TBD
Annual Percent CSO Reduction (%) (Pool-Wide)	TBD

**Project Status:**

9/1/19: ...Engineering Report accepted by EFC on 07-08-19

**PIW-02**  
**Evaluation of Secondary Clarification Improvements**  
**Rensselaer County Sewer District (RCSD)**

**Project Description:**

Re-evaluate the wet-weather capacity of the WWTP to determine if secondary clarification improvements are needed for future growth and peak wet-weather flow of 63.5 MGD. Evaluate various options including enhanced secondary clarification and/or equalization tanks at the plant and/or pump stations.

**Purpose:**

Reduce bacteria load to Hudson River, improve water quality during the seasonal disinfection period.

**Contact Information:**

Gerry Mosckinski  
 RCSD  
 (518) 283-2235 / GMoscinski@rensco.com

Consent Order Milestones	Date Milestone Met
Task Start Date: 6/1/19	4/4/19
Task Completion Date: 6/1/20	

SPEDES Permit #	NY 008 7971
LTCP Projected Project Cost:	\$50,000
Owned By	RCSD
Total Construction Cost (minus in-kind)	TBD
Affected Water Bodies	Hudson River
Grant Funding or other sources	
Annual Volume Captured (Mgal)	N/A
Annual Percent CSO Reduction (%) (Pool-Wide)	N/A

**Project Status:**

2/1/19: Working with CDM Smith on revising previous capacity evaluation completed in 2011.

9/1/19: Resolution G/243/19 passed by County Legislature June 11, 2019. Awaiting Execution of Contract

## **Appendix B: Population Projections**

<b>Population Trends - 2018</b>				
<b>Community</b>	<b>July, 2017</b>	<b>July, 2018</b>	<b>Change in Population</b>	<b>Percent Change in Population</b>
<b>Albany</b>	98,251	97,279	-972	-0.99%
<b>Troy</b>	49,565	49,374	-191	-0.39%
<b>Cohoes</b>	16,875	16,655	-220	-1.30%
<b>Watervliet</b>	10,131	9,986	-145	-1.43%
<b>Rensselaer</b>	9,264	9,212	-52	-0.56%
<b>Green Island</b>	2,604	2,576	-28	-1.08%
<b>Pool-Wide</b>	186,690	185,082	-1,608	-0.86%

Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2018  
2018 Population Estimates