

## Working together:



The Hudson River has always been the thread from which the entire Capital Region's economic and social progress is woven. We share this river. A clean, vibrant river is vital to attract development and economic benefits for all.

Reducing the volume and frequency of untreated sewage discharges into the Hudson will provide new opportunities for communities to showcase our greatest asset – a river so captivatingly attractive it spawned an arts movement and inspired the modern environmental movement.

## The Albany Pool:

The cities of Albany, Troy, Cohoes, Rensselaer, Watervliet, and the Village of Green Island make up the partner communities in the Albany Pool. Among the six communities there are nearly 100 Combined Sewer Overflow (CSO) discharge points. The Albany and Rensselaer County Sewer Districts are connected to the CSO program through their State Pollution Discharge Elimination System (SPDES) permits, and are cooperating with the Pool communities in implementation of the Long Term Control Plan (LTCP) for the abatement of CSOs.

## Program Coordination:

The Capital District Regional Planning Commission (CDRPC) is a regional planning and resource center serving Albany, Rensselaer, Saratoga, and Schenectady counties. CDRPC serves the best interests of the public and private sectors by promoting intergovernmental cooperation; communicating, collaborating, and facilitating regional initiatives; and sharing information and fostering dialogues on solutions to regional problems.

The Capital District Regional Planning Commission is the entity aiding in the implementation of the plan and coordination of the communities, acting both as a resource and a facilitator.

## Contact Us

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# ALBANY POOL COMBINED SEWER SYSTEM LONG-TERM CONTROL PLAN

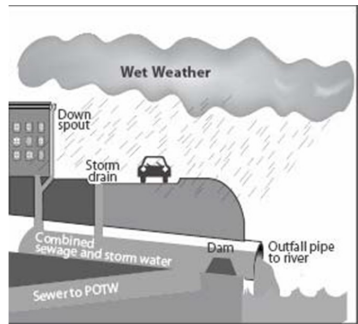
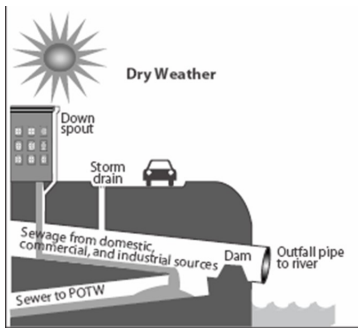


## Cleaning up the Hudson, Together



## What is a CSO?

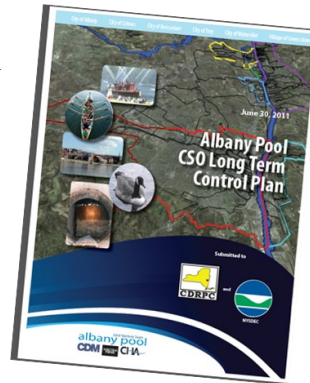
Combined sewer systems are sewers that are designed to collect rainwater runoff, domestic sewage, and industrial wastewater in the same pipe. Most of the time, combined sewer systems transport all of their wastewater to



a sewage treatment plant, where it is treated and then discharged to a water body. During periods of heavy rainfall or snowmelt, however, the wastewater volume in a combined sewer system can exceed the capacity of the sewer system or treatment plant. For this reason, combined sewer systems are designed to overflow occasionally and discharge excess wastewater directly to nearby streams, rivers, or other water bodies.

## What is a Long-term Control Plan?

Beginning in 2007, the Pool Communities began working together to develop a joint Long Term Control Plan. The plan was created to study the current health of the Hudson, identify programs and projects that will aid in the clean-up of the river, and through a sophisticated modeling system and post construction testing program, demonstrate the effectiveness of the program.



Working with the Department of Environmental Conservation, the Pool will implement more than 50 projects and programs that will significantly improve the water quality of the Hudson River and its tributaries.

## Investment (millions):

- Disinfection: \$9.66
  - Waste Water Treatment Process Improvements: \$3.62
  - System Optimization: \$35.26
  - Sewer Separation and Storage: \$22.9
  - Green Infrastructure Program: \$5.08
  - Satellite Treatment and Floatables Control: \$55.87
  - Tributary Enhancements: \$2.13
  - Additional Pool-Wide Projects: \$2.01
- = \$136.53 million over 15 Years**

## Our Goal:

Areas of Concern	Today	End of program
Untreated CSO Volume (Millions of gallons)	1236	610
Number of Events	65	65
Wet Weather Flow Treated (Millions of gallons)	2827	3453
Pool-Wide Percent Capture	69.5%	85%
CSO Flow Receiving Floatables Capture	27	454
Pool-Wide Treatment & Floatables Capture	70.1%	88.8%
Disinfection at Treatment Plants	No	Seasonal
Fecal Coliform Water Quality Standard Violations	30	0

## Next steps:

Implementation of the Albany Pool Communities' LTCP is already underway. Today, the communities are formalizing the intermunicipal agreement that will guide the shared implementation of programs and projects, and the communities are working to establish a Local Development Corporation that will take on the role of administrator.

As the program is implemented, further sampling and analysis of the Hudson and its tributaries will take place, allowing the Pool Communities to measure the ongoing success of the program.