



North Hudson Sewerage Authority LTCPs Adams Street and River Road

What is at Stake

When it rains in Hoboken, Union City, West New York, and Weehawken, raw sewage is dumped into nearby waterways and localized flooding can have a combination of sewage and stormwater. This is known as a combined sewer overflow (CSO). The North Hudson Sewerage Authority (NHSA) is the utility responsible for the sewer system in these communities. NHSA, one of 25 CSO permittees, has submitted its draft Long Term Control Plans (LTCPs) for the Adams Street and River Road treatment plants proposing large water infrastructure projects to reduce and/or eliminate CSOs. As of October 2020, the plans are undergoing review by the New Jersey Department of Environmental Protection (NJDEP) and will be finalized in 2021.

Each of the selected options will cost millions of dollars and impact neighborhoods for decades. Please use this fact sheet to assist with developing comments to submit to the New Jersey Department of Environmental Protection.

Annual CSO Volume by Drainage Basin
Adam Street and River Road

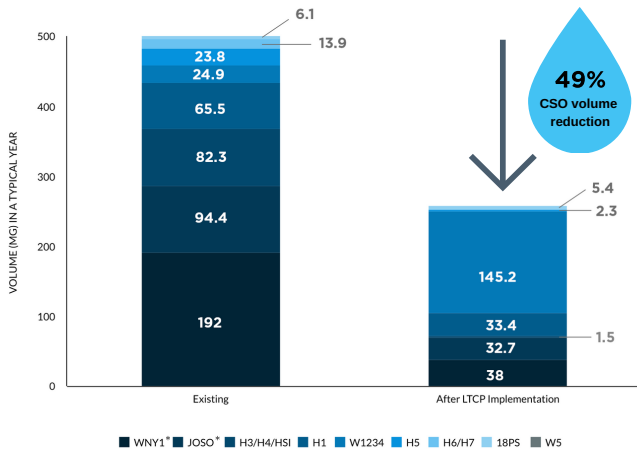


Figure 1. Annual CSO volume (million gallons) by drainage basin for the Adams Street and River Road plants. Asterisks indicate River Road drainage basins and all others are Adams Street drainage basins. In a typical year under existing conditions, both plants have an overflow volume of 727 million gallons. The anticipated overflow volume after LTCP implementation is 259 million gallons, representing a collective reduction in volume of 64%. Refer to Table 1 in the appendix for totals shown by each treatment plant in table form.

River Road WWTP Projects

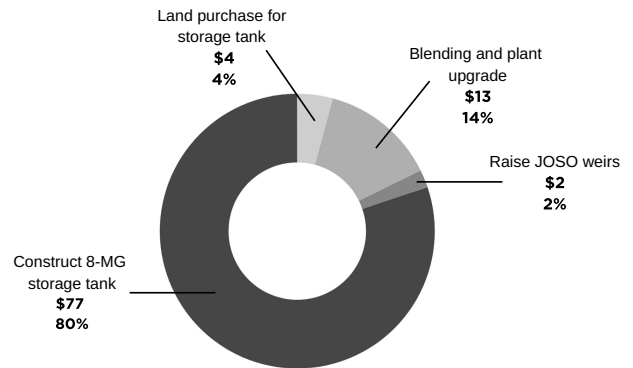
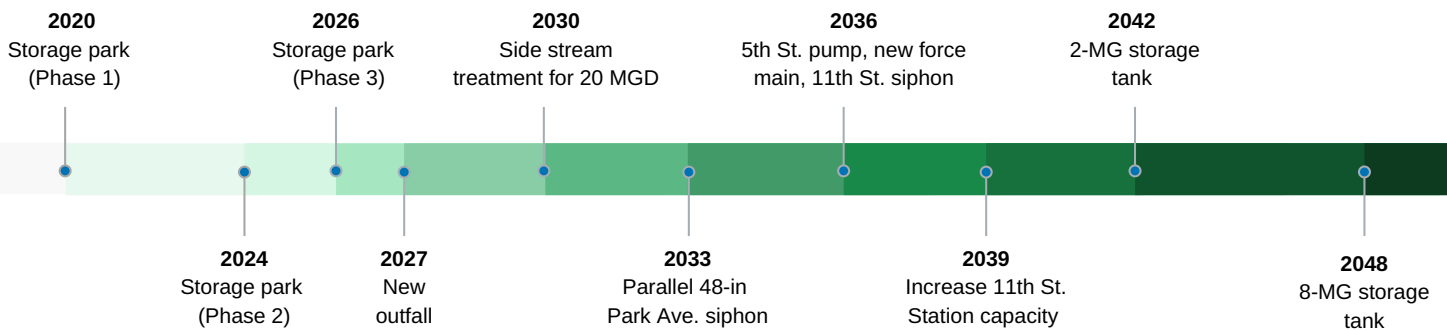


Figure 2. River Road plan projects by construction cost (\$ million), with relative percentages by cost. The River Road plan will collectively cost \$96 million. Refer to Table 2 in the appendix for a full list of River Road and Adams Street projects and associated construction costs.

Project Timeline





Green Infrastructure

The plans call for exclusively gray solutions. They also refer to “supplementary” green infrastructure projects constructed by cities within the authority’s service area, which are not funded by the LTCPs, but will work in parallel with them to further control CSOs. The Adams Street plan refers to the Hoboken Green Infrastructure Strategic Plan, submitted in October 2013, but does not name specific strategies. The River Road plan notes general “green infrastructure practices” at Union City schools and the West New York Parking Authority, as well as bioswales along Park Avenue.



Financing

The plans are being funded by proposed rate increases, bonds, and grants/loans from the New Jersey Infrastructure Bank. The authority plans to increase rates uniformly by 2.0% per year for the next 10 years, followed by 3.0-3.5% increases per year afterwards. Plan implementation will take at least 28 years.



Public Participation

Six public meetings and 10 advisory board meetings were held between 2015 and 2020, but no demographic information was provided on the people who participated. NHSA also posted information online and in newsletters and conducted educational outreach. The feedback from the public included concerns about projects proposed on public property and along the Hudson River, involving in-street construction.



Environmental Justice Considerations

Environmental justice was not mentioned in the plans.



Climate Change Considerations

Precipitation: The Adams Street plan notes that the parallel 11th Street pipeline could convey additional flow to the treatment plant if flows increase due to climate change.

Sea Level Rise: Future LTCP planning will consider the impact of the Rebuild by Design resilience program and, if possible, seek to leverage the improvements where they can be coordinated to complement the flood barrier project.



How to Submit Comments

- Download and Review Long Term Control Plans [here](#).
- Comments on the LTCPs can be submitted to [these](#) NJDEP CSO Team Leaders.
Copy Susan Rosenwinkel
Susan.Rosenwinkel@dep.nj.gov, bureau chief of surface water permitting at NJDEP, and the relevant permittee contact.
- NJDEP will review comments through January 31, 2021.
- After submitting comments to NJDEP and your CSO permit holder, make sure to share your comments with your local officials, environmental commission, and planning/zoning boards.



Additional Information

- North Hudson Sewerage Authority [website](#)
- NHSA Contact Information Richard Wolf, Executive Engineer - RWolf@nhudsonsa.com
General phone number: 201-963-6043

For more information, visit sewagefreenj.org

Appendix

Table 1. NHSA LTCP Basics - Outfalls, Overflows, and Total Costs

	Adams Street Plant	River Road Plant	Both
Outfalls	8	2	10
Annual overflow volume — existing conditions	407.7 MG	286.4 MG	694.1 MG
Annual overflow volume — after implementation	188.6 MG	70.7 MG	259.3 MG
Percent overflow volume reduction	53.7%	75.3%	62.6%
Percent capture after implementation, as reported in the plan (min. of 85% required)	87%	92%	--
Project costs	\$211.3 million	\$96 million	\$307.3 million

*MG = million gallons

Table 2. NHSA LTCP Implementation Schedule

	Project	Construction Cost	Project Start Date
Adams Street	Integrate 1-MG resiliency park storage tank into conveyance system (Phase 1)	\$17.3 million	2020
River Road	Land purchase for storage tank	\$4 million	2021
Adams Street	Integrate 1-MG resiliency park storage tank into conveyance system (Phase 2)	\$4 million	2024
River Road	Increase capacity to 35 MGD through blending and plant upgrade	\$13 million	2025
Adams Street	Integrate 1-MG resiliency park storage tank into conveyance system (Phase 3)	\$16 million	2026
Adams Street	Construct new outfall	\$5 million	2027
River Road	Raise JOSO weirs	\$2 million	2029
Adams Street	Increase capacity by 20 MGD through side stream treatment	\$13 million	2030
Adams Street	Parallel 48-inch Park Avenue siphon	\$28 million	2033
Adams Street	Increase capacity of 5th Street pump station, construct force main, and construct parallel 11th Street siphon	\$30 million	2036
Adams Street	Increase capacity of 11th Street pump station	\$13 million	2039
Adams Street	Construct 2-MG storage tank	\$17 million	2042
River Road	Construct 8-MG storage tank	\$77 million	2045
Adams Street	Construct 8-MG storage tank	\$68 million	2048
	Total	\$307.3 million	≥ 28 years

*MG = million gallons; MGD = million gallons daily