



SEWAGE FREE STREETS AND RIVERS

Your Waterways, Your Neighborhood, Your Money, Your Voice

Newark Long Term Control Plan Fact Sheet

What is at Stake

When it rains in Newark, the combined sewer system overflows into nearby waterways and localized flooding can have a combination of sewage and stormwater. This is known as a combined sewer overflow (CSO). Newark, one of 25 CSO permittees, submitted a Long Term Control Plan (LTCP) proposing large water infrastructure projects to reduce and/or eliminate CSOs. As of October 2020, the plan is under review by the New Jersey Department of Environmental Protection (NJDEP) and will be finalized in 2021.

Passaic Valley Sewerage Commission (PVSC) is the sewer treatment plant that treats the combination of sewage and stormwater from Newark along with seven other communities with combined sewer systems in the region. Most of these communities have agreed to work on a regional Long Term Control Plan. They have six additional months to finalize the financing of the regional plan, if they can not come up with an agreement they will revert to municipal-only plans. Many of the projects in the regional and municipal plans will remain the same. This fact sheet reflects the projects that would only be in a regional plan, the projects that would be the same in a regional and municipal plan, and the municipal only projects. The financing for the regional plan has not been decided, so the financing options below reflect the cost of a municipal only plan

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

The Basics

Annual CSO Volume in Newark

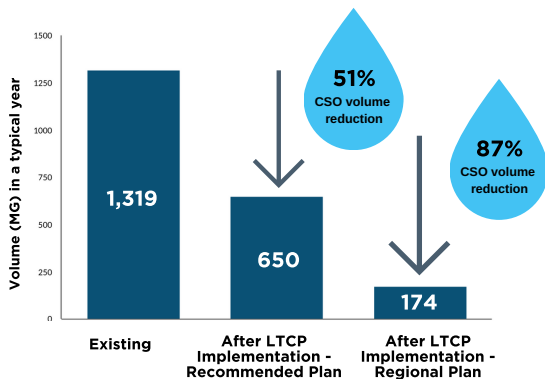


Figure 1. Annual CSO volume (million gallons) in Newark. In a typical year under existing conditions, Newark has an overflow volume of 1,319 million gallons. For the municipal plan only, the anticipated overflow volume after LTCP implementation is 650 million gallons, representing a volume reduction of 51%. For the PVSC regional plan, the anticipated overflow volume after LTCP implementation is 174 million gallons, representing a volume reduction of 87%.

Newark Projects by Capital Cost

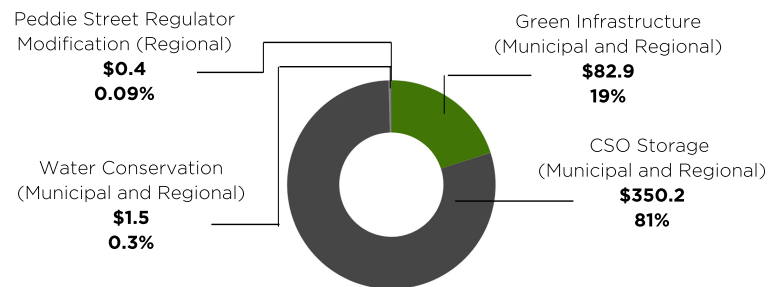
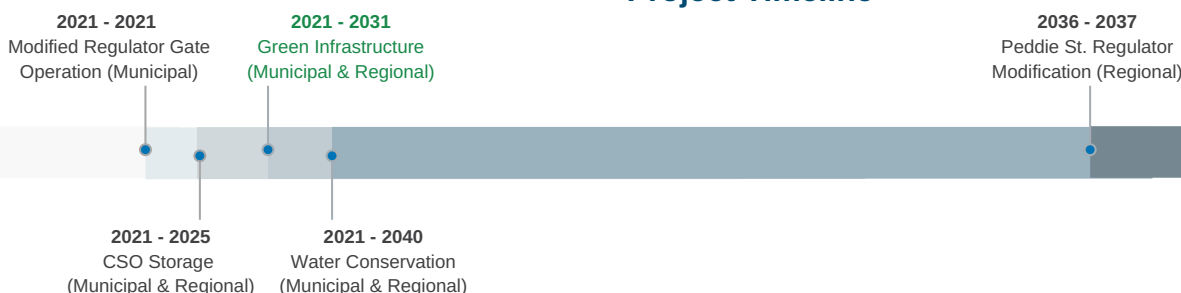


Figure 2. Newark recommended plan projects by capital cost (\$ million), with relative percentages by cost. Collectively, the Newark recommended plan would cost \$435 million. Including 20-year operations and maintenance costs, the plan would cost \$450 million. Note that these costs are based on the individual municipal plan, as opposed to the PVSC regional plan. Asterisks indicate projects that are not included in the PVSC regional plan. Refer to Table 2 in the appendix for a full list of Newark's recommended projects and costs.

Project Timeline





Green Infrastructure

Two options for green infrastructure (GI) are proposed in the Long Term Control plan: tree pits and rain gardens. Since the target GI build out of 5% of impervious area is not achieved by the lowest cost option (tree pits), Newark will likely decide to utilize a combination of the two technologies.



Financing

The plans would be funded by proposed rate increases and potentially other financing such as bonds and loans. The plan includes an option to revise and reschedule the proposed projects in the report based on emergent economic conditions beyond the permittees' control. The proposed plan would be completed within 20 years.



Public Participation

Public participation is included as a factor that influenced the selection of alternatives. The public's desire for GI is noted as is the potential for GI jobs through the Newark Workforce Development Board. Community meetings held in Newark are mentioned in PVSC's regional report and Newark participated in the regional and municipal Supplemental CSO Team meetings.



Environmental Justice Considerations

Environmental justice is not mentioned in the report.



Climate Change Considerations

Climate change is not mentioned in the report.



How to Submit Comments

- Download and Review Long Term Control Plans at <https://www.nj.gov/dep/dwq/cso-ltcsupmittals.htm>
- 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

- [City of Newark Water and Sewer utilities](#)
- CSO contact: HDR Professional Associate Francisco Brillhante, francisco.brilhante@hdrinc.com
- [Long Term Control Plan submittals](#)
- [Jersey Water Works CSO Review page](#)

For more information, visit <https://sewagefreenj.org>

Appendix

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

| | |
|---|--|
| Outfalls | 18 |
| Annual overflow volume — existing conditions | 1,319 MG |
| Annual overflow volume — after implementation | ¹ 649.9 MG ² 173.6 MG |
| Percent overflow volume reduction | ¹ 50.7% ² 86.8% |
| Percent capture after implementation, as reported in the plan (min. of 85% required) | ¹ 87.7% ² 96.3% |
| Project costs | \$435 million |

MG = million gallons

1 = Recommended Plan (Municipal and Regional)

2 = PVSC Regional Plan

Table 2. Newark LTCP Project Costs, CSO Reduction Volume, and Implementation Schedule

| Project | Capital Cost (\$ million) | Start Year | End Year |
|---|--------------------------------------|-----------------------|---------------------|
| Modified Regulator Gate Operation (Municipal) | 0 | 2021 | 2021 |
| CSO Storage (Municipal & Regional) | 350.2 | 2021 | 2025 |
| Green Infrastructure (Municipal & Regional) | 82.9 | 2021 | 2031 |
| Water Conservation (Municipal & Regional) | 1.5 | 2021 | 2040 |
| Peddie St. Regulator Modification (Regional) | 0.4 | 2036 | 2037 |
| Total | 435 | 20 years | |

*For the recommended plan (municipal & regional)

MG = million gallons