



CSO Program Goals

Clean Solutions for Omaha (CSO!) is responsible for improving water quality in area rivers and streams by reducing combined sewage overflows. This is an unfunded federal mandate with three elements—**regulatory compliance**, **economic affordability**, and **community acceptance**.



Goal 1: Regulatory Compliance.

Missouri River Wastewater Treatment Plant (MRWWTP) Improvements were identified as an early action project in the Combined Sewer Overflow (CSO) Long Term Control Plan. The MRWWTP Improvements were constructed in four separate projects due to impacts of the 2011 Missouri River flood. The Improvements include separate industrial headworks (Schedule A) and municipal headworks (Schedule B1). Combined sewer flows that exceed the capacity of the secondary treatment process are directed to a chlorine contact basin (Schedule B2) for disinfection/dechlorination prior to discharge to the Missouri River. Details of each construction project are provided below.

MRWWTP Schedule A includes grit removal facilities, odor control facilities, and primary clarifiers to treat separated industrial (meat-packing) sewage from the South Omaha Industrial Area up to 17.4 million gallons per day. These flows receive subsequent secondary treatment through the existing MRWWTP facilities.

MRWWTP Schedule B1 replaced 50+ year-old north and south inlet headworks facilities with a new municipal headworks (screening and grit removal) and improvements to the existing primary clarifiers to allow for treatment of up to 150 million gallons per day. This project helps protect the plant during high river levels.

MRWWTP Schedule B2 is constructing facilities to disinfect and dechlorinate combined sewage flows (up to 101 million gallons per day) which exceeds the 64 million gallons per day secondary capacity of the MRWWTP. The project also includes chemical storage and feed facilities, odor control biofilters, and other miscellaneous improvements.

Project Status

The Schedule A project was completed in 2014 at a cost of approximately \$20 million.

The Schedule B1 project was placed into service in 2016 and construction was completed in 2017 at a cost of approximately \$62 million. The Schedule B2 project is over 50% complete and is scheduled for completion in May of 2019. The Schedule B2 construction cost is approximately \$51 million.



Goal 2: Economic Affordability.

The Riverview Lift Station Replacement project recently submitted the 60% design deliverables. It underwent a Value Engineering (VE) effort to review and evaluate construction costs to identify savings. The project also had a VE effort at the 30% design submittal. The VE effort identified over \$1 million of construction costs savings at 30% and an additional \$1 million of construction cost savings at 60%. All projects have cost and value engineering reviews at specific stages in the project design and these will continue for this project to provide the best project for the cost, while achieving the stated project goals.

Ratepayer Assistance

Ratepayer assistance is provided to low income households who qualify for the Low Income Home Energy Assistance Program (LIHEAP).

From January through September 2017,

over **\$753,999**
has been provided in assistance;
for a total of **\$6,210,860**

from inception (May 2011)
through September 2017.





**Goal 3:
Community Acceptance.**

Public Engagement Opportunities

The CSO Program provides key opportunities for the public to engage with project teams—during design and construction. The public is typically engaged for the:

- Project design kick-off meeting
- Project 30% design informational meeting with adjacent neighborhood associations
- Project 60-80% design open house
- Engagement of neighborhood champion(s) for neighborhood enhancements when appropriate
- Project pre-construction meeting

Recently, a public meeting was held to update construction at the Fontenelle Park Lagoon Project. A project design kick-off meeting was held for Cole Creek 202/203. An Oct. 24 public meeting is scheduled for the pre-construction process for the Missouri Avenue Sewer Separation. Additionally, Project Teams are always available to attend neighborhood meetings and as requested, to discuss project progress and proposed construction schedules.

Current Program Highlights and Issues*

- Construction continues on the **South Interceptor Force Main North Segment**. Substantial completion is expected in November.
- Bid Advertisement dates for **Lake James to Fontenelle Park Sewer Separation** is expected in November, with the **Burt-Izard Lift Station** date in December. REACH plan room meetings for both of these projects that help raise project awareness with the small business community, will be in November for the sewer separation project and December for the lift station project.
- The **CSO 119 South Barrel Diversions and Sewer Separation** Request for Proposal garnered interest from several engineering consultant companies. These proposals are under review and consultant interviews will likely be scheduled in November.
- A Program update and tour with several representatives of the Nebraska Department of Environmental Quality will be held Oct 23. This is to orient and update the Nebraska Department of Environmental Quality staff on the CSO Program, process and to visit several of the completed project sites.
- Work is underway to prepare the Annual Report required by the Nebraska Department of Environmental Quality (reporting period ended Sept. 30). This report provides information about work completed in the past reporting period and the upcoming reporting period.
- The construction Notice-to-Proceed for **Missouri Avenue Spring Lake Park Sewer Separation Phase 2** is expected on Nov. 1. This construction project is expected to take approximately two years to complete.
- The consultant for the **Monroe Lift Station** is expected to start project conceptual design work in January.

**Looking back and ahead approximately one month.*

Program Status

LONG TERM CONTROL PLAN PROJECT STATUS LIST

Project and Contract Progress Status Overview (Through June 2017)	Future Projects	Study & Design	Bid/ Construction	Complete	Total
Number of Long Term Control Plan Projects	27	10	5	19	61

PROGRAM DETAILS

The Combined Sewer Overflow (CSO) Program permit was modified in June 2017. The number of projects provided in the table reflects the updated information.

COMPANIES ENGAGED

Through December 2016, small and emerging small businesses received over **\$32 million** in construction contracts and subcontracts. That represents **approximately 8%** of the total construction amount contracted through the City's CSO Program.



For More Information...

Visit the Program website: www.OmahaCSO.com
 Email us: info@OmahaCSO.com
 Call the CSO Program Hotline: **402-341-0235**

To report street flooding and sewer backups, call **402-444-5332**.

To see if you qualify for sewer use fee assistance call **402-341-0235** or to apply for Low Income Heat and Energy Assistance, call **402-595-1258**.

The CSO Program is a City of Omaha Public Works Initiative.

