



CSO!
Clean Solutions for Omaha

Quarterly Report | **2023 Q2**
April – June 2023

Omaha Combined Sewer Overflow Control Program
Implementation Phase



CSO!

Clean Solutions for Omaha

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PROGRAM MISSION

The CSO Program’s mission is to save money for ratepayers and do what is best for the community while meeting the objectives and requirements of the Clean Water Act.

QUARTERLY REPORTING

This is the final publication of the CSO Quarterly Report issued by the CSO Program Management Team. Future information on the CSO program will be provided by the Public Works Department on a periodic basis. The Department is reviewing reporting practices and requirements in a number of areas.

For additional information regarding the Omaha CSO Program, please visit www.OmahaCSO.com or call 402-444-5220. For information about sewer use fees, call 402-444-3908.

ON THE COVER: Forest Lawn Creek Inflow Removal and Outflow Storm Sewer Project construction is underway. Storm sewer tunneling is complete; pavement restoration is underway.



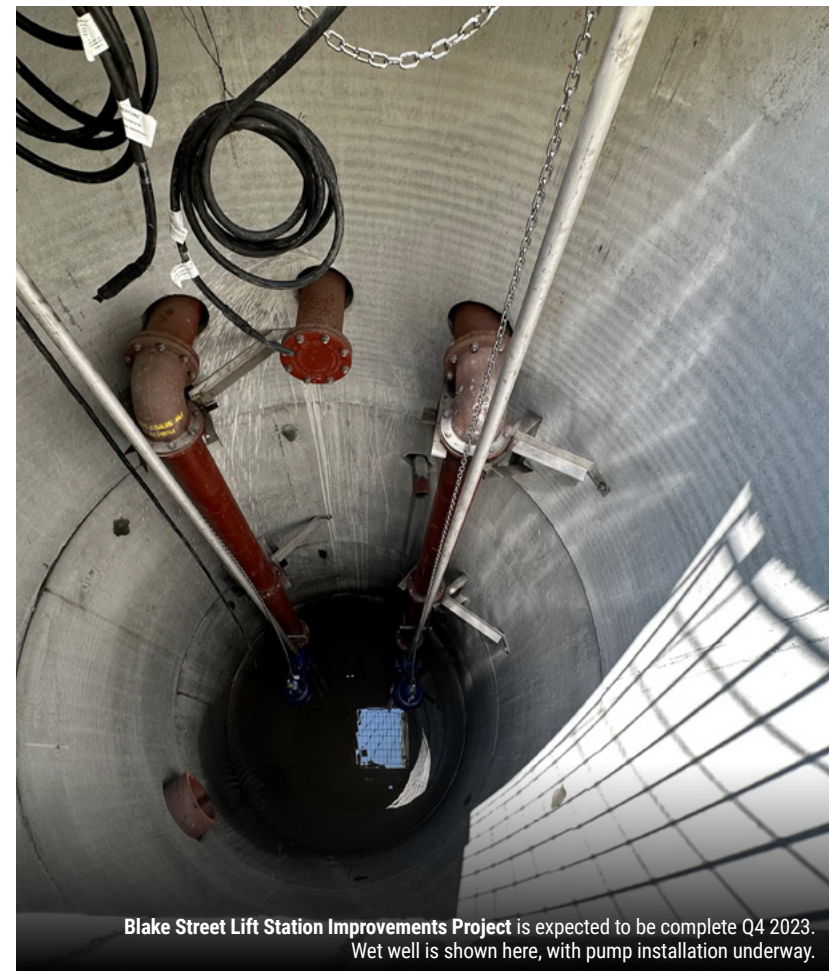
A City of Omaha
Public Works Initiative



Monroe Street Lift Station Improvements Project showing the new grit basin crane and clamshell structure. Relining and repair of influent sewers is underway.



Nicholas Street Sewer Extension, Phase 3B Project construction continues along 16th Street.



Blake Street Lift Station Improvements Project is expected to be complete Q4 2023. Wet well is shown here, with pump installation underway.

2ND QUARTER HIGHLIGHTS



Transition of full execution of CSO Program to City staff took place in Q2 2023 and will be complete in Q3.

- ✂ Bid advertisement for **Cole Creek CSO 202 Phase 2 – 70th Avenue and Spencer Street Project** is expected in Q3 2023 with a Q1 2024 construction start.
- ✂ Bid advertisement for **CSO 212 – 64th Avenue and William Street Project** occurred Q2 2023; construction could start as early as Q4 2023.
- ✂ Consultant negotiations for design efforts are underway for **CSO 119 South Barrel Conversion and Sewer Separation Project**.
- ✂ Preliminary design is in progress for **CSO 204 Phase 4a – 57th Street & Pratt Street and Phase 4b – 56th Street and Bedford Avenue Projects**, with the 30% design documents received Q1 2023.
- ✂ Conceptual design is in progress for **East Cole Creek Interceptor Rehabilitation Project**, with the 10% design documents expected Q3 2023.
- ✂ Conceptual design is underway for **61st and Radial Storm Sewer Project** with the 10% design documents expected Q3 2023.
- 👷 Substantial completion to follow resolution of pump vibration issues for **Riverview Lift Station Improvements Project**.
- 👷 Construction continues for the **Papillion Creek North (PCN) 210 Sewer Separation Project**; additional contracted work is underway.
- 👷 Construction is nearly complete for the **Saddle Creek Retention Treatment Basin Project**; landscaping is underway and start-up testing has begun.
- 👷 **Hickory Street Sanitary Sewer Service Relocation** construction is on-hold; waiting for property owner utilities to be re-established.
- 👍 Substantial Completion was achieved Q1 2023 for the **Missouri River Water Resource Recovery Facility – Transfer Lift Station Pump Replacement Project**.
- 👍 Substantial Completion was achieved Q2 2023 for the **Cole Creek 203 Sewer Separation Project**; landscaping and sodding are underway.

✂ Study & Design

👍 Completed

👷 Bid/
Construction

⚙️ Future Project

CSO PROGRAM MILESTONE ACHIEVEMENTS

With More to Come

The City of Omaha's regional sewer system serves customers in Douglas and Sarpy Counties. Omaha is one of more than 800 communities nationwide that have combined sewer systems. Some systems, including Omaha's, have combined sewer overflows (CSOs) that must be reduced to improve water quality in local rivers and streams.

In 2007, the City of Omaha and Nebraska Department of Environmental Quality – now the Nebraska Department of Environment and Energy (NDEE) entered into an Administrative Consent Order, which required the City to comply with the Clean Water Act and the EPA's Combined Sewer Overflow Control Policy of 1994. This unfunded, federal mandate means that the City needs to capture, treat or eliminate at least 85% of the average annual volume of combined sewage by 2037.

CSO PROGRAM GOALS

The City created a mission statement and identified three goals to achieve the 85% volume capture requirement. The mission statement for the Program is to “save money for ratepayers and do what is best for the community as we meet the objectives and requirements of the Clean Water Act.” The projects identified to provide CSO control need to achieve the following goals: 1) meet regulatory compliance, 2) be economically affordable to ratepayers, and 3) be acceptable to the community.

PROGRAM IMPLEMENTATION

The plan for controlling CSOs was originally included in the 2009 CSO Long Term Control Plan (LTCP), which was approved by NDEE in 2010. The LTCP was updated in

2014 and 2021. Since 2009, Omaha has made significant progress implementing projects and reducing CSOs. From new construction to improvements at existing facilities, these efforts combine to help achieve and maintain Omaha's long-term clean water goals. Improvements have included:

- Numerous sewer separation projects that consist of the construction of a new storm sewer or sanitary sewer to separate stormwater from sanitary flows, conveying stormwater to waterways and directing sanitary sewage to water resource recovery facilities for treatment.
- Separation of high-strength industrial wastewater in areas of South Omaha that is then conveyed to a dedicated Industrial Lift Station and Force Main for subsequent primary and secondary treatment at the Missouri River Water Resource Recovery Facility (MRWRRF).
- Significant improvements to the MRWRRF, including a new municipal headworks and primary clarifier improvements to treat a wet weather capacity of 150 million gallons per day (MGD). All flows in excess of the 64 MGD secondary treatment capacity are directed to the chlorine contact basin for chlorination and dechlorination, during the recreation season, prior to being discharged out of CSO 102.
- Improvements at Monroe and Burt-Izard Lift Stations, as well as construction of the new Riverview, Leavenworth, and Blake Street Lift Stations maximizes the amount of combined sewage conveyed to the MRWRRF during wet weather events.
- Replacement of large pipes like the South Interceptor Force Main provide greater reliability and maximize flows to the MRWRRF during wet weather events.
- High-rate treatment facilities like the Saddle Creek Retention Treatment Basin capture and treat combined sewage at a rate of up to 160 MGD.
- Community enhancements and green infrastructure



benefit both Omaha neighborhoods and the CSO Program. Fontenelle Park, Adams Park, and Spring Lake Park are examples of how new community amenities can also provide significant stormwater detention and decrease the need for more costly storm sewer system improvements downstream.

SIGNIFICANT CONTROLS ACHIEVED

The CSO Program has been managed by Public Works staff and a consultant Program Management Team (PMT). Collectively, 29 LTCP projects, through 50 individual construction contracts, have been completed since 2009. In addition, 14 LTCP projects are currently in design or construction and another 12 future projects are yet to begin. LTCP projects have been divided into multiple construction contracts, allowing for more local and regional general contractors to participate.

The year 2019 was the last time that current wet weather volume capture was required to be formally estimated by the City’s CSO permit. At that time, the Missouri River Watershed was at ~57% and the Papillion Creek Watershed

VOLUME CAPTURE	2002	2019*	2037
Missouri River Watershed	32%	57%	85%
Papillion Creek Watershed	78%	84%	97%

*2019 was the last official estimate of percent capture required by permit.

was at ~84% volume capture. Projects currently underway will increase capture

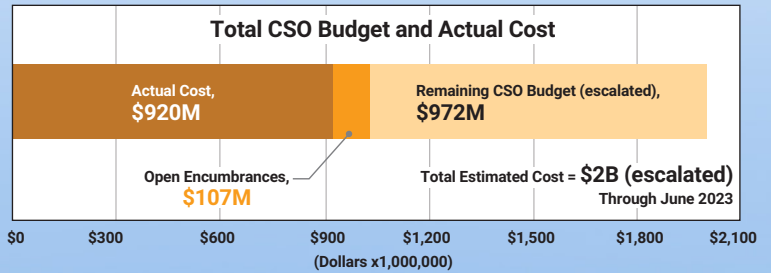
percentages to approximately 71% and 91%, respectively, within the next few years. This includes Saddle Creek Retention Treatment Basin that, once completed in 2023, will increase the capture percentage in the Papillion Creek Watershed beyond the required 85%. It is estimated that volume capture in the Missouri River Watershed has increased to closer to 60% due to projects that have been completed since 2019. LTCP projects that are currently underway or planned will increase volume capture to 85% or above. Refer to page 5, “Goal 1: Regulatory Compliance,” which provides the current status of projects and contracts.

The Program has also focused on engaging small and emerging small businesses (SEBs) in construction contracts and subcontracts. During the past five years (2018–2022), approximately 6% (or \$8M) of total

contracted construction work through the CSO Program has been contracted to SEBs. Adding in the Federal Disadvantaged Business Enterprise categories (DBE), which includes federally funded CSO projects, over 8% of construction subcontracts were awarded to SEBs and DBEs for projects during that same period of time.

IMPLEMENTATION BUDGET VS. ACTUAL

The current estimated total cost of the CSO Program is actually less than what was estimated with the 2009 LTCP when escalation is taken into account. Cost control measures, value engineering, risk mitigation, and other activities have helped control costs. In particular, the Program optimization effort described below reduced estimated Program costs, at the time, by more than \$400M. Controlling overall Program costs has resulted in lower-than-expected customer rate increases and has allowed the City to re-direct funds to other sewer and wastewater infrastructure needs throughout the metro area. The following graphic represents the current budget and actual cost of the Omaha CSO Program and shows over half of the total estimated cost has been either spent or encumbered.



The City developed a ratepayer assistance program at the start of CSO Program implementation to address the known challenges that some ratepayers would have affording higher sewer bills. This assistance program has provided over \$21 million to ratepayers that qualify for the Low Income Heat and Energy Assistance Program (LIHEAP) from their power utility. By coordinating with the existing LIHEAP enrollment process, CSO Program administrative costs have been kept to a minimum.

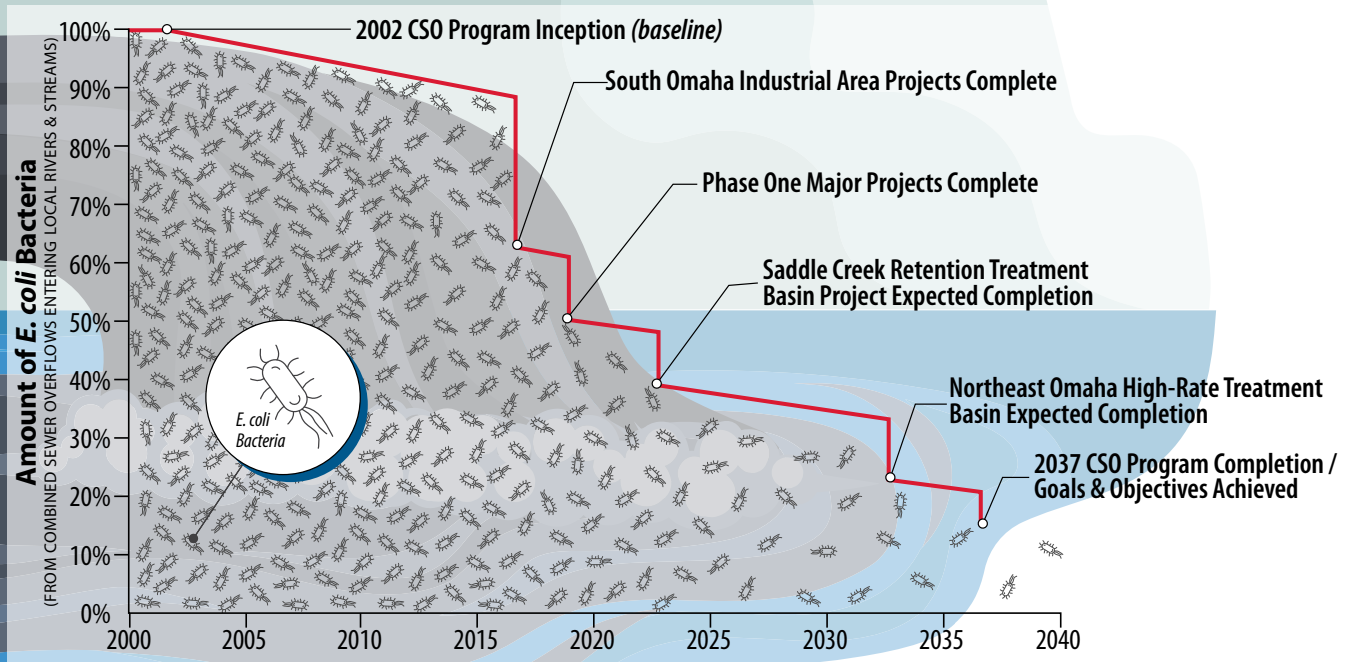
(Continued on page 4)



The Missouri River Water Resource Recovery Facility is located on the west bank of the Missouri River, just south of the South Omaha Veterans Bridge.

E.coli Reductions Over Time

Combined Sewer Overflows (CSOs) are detrimental to receiving bodies of water due to the presence of *E.coli* and other pollutants. This type of wastewater should be directed to a treatment facility. Traditionally, during heavy rainfall events, Omaha's combined system allow both stormwater and untreated sanitary wastewater to be released into streams and rivers. This results in bacterial contaminants (like *E.coli*) deteriorating water quality. By reducing combined sewer overflows, CSO Program efforts continue to significantly reduce our contribution of *E.coli* and other pollutants to our rivers and streams.



This figure is a graphical representation of estimated reductions of *E.coli* loading to local rivers and streams from CSOs over time as a result of CSO Program controls.

(Continued from page 3)

PROGRAM OPTIMIZATION

NDEE has required an update to the LTCP every five years to ensure Omaha's CSO Program's goals, objectives and projects are efficient and cost effective. As part of the last LTCP Update, an extensive optimization effort employed sophisticated technologies and hydraulic modeling to determine the best mixture of projects to achieve 85% volume capture in the Missouri River Watershed. The results of this evaluation were documented in the 2021 LTCP Update and resulted in replacing a planned deep tunnel system with a high-rate wet weather treatment facility and a storage facility that could be implemented at a significantly lower projected cost.

CSO PROGRAM GOING FORWARD

In 2023, management of the CSO Program is fully transitioning to City of Omaha Public Works staff. This includes leading and managing consultants providing design services, contractors providing construction services, and providing overall CSO Program management efforts. So, rather than having a consultant PMT going forward, the City will obtain any needed consultant

assistance through separate contracts. While continuing to advance the CSO Program, Omaha Public Works is shifting to an overall wastewater utility focus, including sewer and water resource recovery facility improvement projects.

The City is in the process of contracting engineering teams for design of the Northeast Omaha High-Rate Treatment Basin and associated projects, which includes five LTCP projects. A future Leavenworth Storage Tank will be designed at a later date. Remaining projects in the Program include sewer separation in the Papillion Creek Watershed that are currently in design or construction, and a few other minor projects in the Missouri River Watershed.

The City of Omaha continues to work with NDEE to achieve CSO Program requirements and is on-track for completion by 2037 as required by the City's Consent Order. This continues to be a team effort between City of Omaha Public Works staff, consultant engineers, contractors, and support from the Omaha Mayor and City Council.



Goal 1: Regulatory Compliance

Meet specific regulatory requirements as identified by the Environmental Protection Agency and Nebraska Department of Environment and Energy.

- Complete implementation of CSO projects within identified schedule.
- Reduce pollutant discharges to the Missouri River and Papillion Creek.



Goal 2: Economic Affordability

Minimize cost impacts to ratepayers by completing CSO projects within or under budget.

Goal 3: Community Acceptance

Maintain continuous public dialogue, provide information and pursue opportunities for multiple benefits in CSO projects.

PROGRAM MISSION

The CSO Program's mission is to save money for ratepayers and do what is best for the community while meeting the objectives and requirements of the Clean Water Act.



Goal 1: Regulatory Compliance

Regulatory Compliance includes two items: 1) implement projects within the identified schedule and 2) reduce pollutant discharges to the Missouri River and Papillion Creek.



PROJECT STATUS:

** These numbers reflect the 2021 Long Term Control Plan Update*

Study & Design	Bid/Construction	Complete	Future
6 Projects	8 Projects	29 Projects	12* Projects
6 Contracts	12 Contracts	50 Contracts	12* Contracts



PROGRAM GOALS

PROJECT DELIVERY SCHEDULE FOR ACTIVE PROJECTS*

LONG TERM CONTROL PLAN PROJECTS	2023	2024	2025	2026	2027
Saddle Creek Retention Treatment Basin (SCRTB)	Active				
Papillion Creek North (PCN) 210 Sewer Separation (Change order is likely extending construction)	Active				
Nicholas Street Sewer Extension – Phase 3B	Active	Active			
Forest Lawn Creek Inflow Removal and Outfall Storm Sewer	Active	Active	Active		
CSO 212 – 64th Avenue William Street	Design/Bidding	Active			
CSO 119 South Barrel Conversion & Sewer Separation***	Design/Bidding	Active	Active	Active	
CSO 202 Phase 2 – 70th Avenue & Spencer Street	Design/Bidding	Active	Active	Active	
East Cole Creek Interceptor Rehabilitation	Design/Bidding	Active	Active	Active	
CSO 204 Phase 4a – 57th Street & Pratt Street	Design/Bidding	Active	Active	Active	Active
CSO 204 Phase 4b – 56th Street & Bedford Avenue (Construction in 2029)	Design/Bidding	Active	Active	Active	
61st and Radial Storm Sewer (Construction completion in 2028)	Design/Bidding	Active	Active	Active	Active
Riverview Lift Station Replacement****	Active				
Blake Street Lift Station Improvements Project****	Active				
Monroe Street Lift Station Improvements	Active	Active			

Design/Bidding
 Construction (from construction notice-to-proceed through substantial completion for sewer separation projects or operationally complete for major CSO projects.)

*Active projects in design and/or construction.
 **Projects related to the CSO Program that enhance the operational reliability of the system.
 ***Project likely delayed; schedule subject to change.
 ****Blake Street Lift Station Improvements was added as a contract change order to the Riverview Lift Station Replacement Project.

SCHEDULE:

The 2021 Long Term Control Plan (LTCP) Update was approved by the Nebraska Department of Environment and Energy (NDEE) in August 2021. The Project Delivery Schedule for the Active Projects (above) is consistent with the approved LTCP Update and the March 31, 2022 letter to NDEE requesting modifications to dates for three projects. The schedule reflects the 10-year extension (included in an Amendment to the City's Consent Order with NDEE) for CSO Program completion. A new CSO permit has yet to be issued.



GOAL 2:
Economic Affordability



The CSO Program actively seeks opportunities to minimize impacts to ratepayers.

City Continues to Look for Program Savings

The City has identified grant funding from the Sewer Overflow and Stormwater Reuse Municipal Grant Program (OSG Program) to assist with CSO Program expenditures. This is grant funding administered by the Nebraska Department of Environment and Energy (NDEE) where EPA is the funding source.

This grant funding is intended to “provide funding for critical stormwater infrastructure projects in communities including combined sewer overflows (CSO) and sanitary sewer overflows.”

The City is currently working with NDEE to secure an approximately \$800,000 OSG grant to assist with CSO Program expenditures. NDEE and the City are discussing the potential uses for this grant within the CSO Program, to identify the best project for these federal funds.

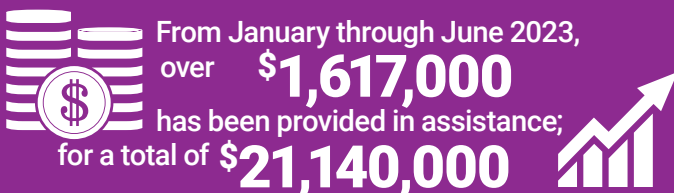
The City received nearly \$750,000 in 2022 from the same grant fund for the Monroe Street Lift Station project for construction expenditures.

RATEPAYER ASSISTANCE

When the Long Term Control Plan was approved, a ratepayer assistance plan was developed to help low income and fixed income households with the sewer rate increases necessary to fund the Program.

Ratepayers are eligible if they receive Low Income Heat and Energy Assistance Program (LIHEAP) from their utility. This has kept administrative costs to a minimum and provided the maximum benefit to those who need it.

For information about the sewer use fee assistance program call **402-444-3908**. To apply for Nebraska LIHEAP, which qualifies you for sewer use fee assistance, call **402-595-1258**.



GOAL 3:
Community Acceptance



The CSO Program supports ongoing dialogue with the public through timely project updates. Close coordination with impacted neighborhoods, businesses and small business contractors is also provided to highlight Program benefits and opportunities.

Outreach Engages Stakeholders, Shares Knowledge with Peers

Since the beginning of the CSO Program, public outreach has been a priority – engaging with impacted residents and property owners in affected areas, educating youth from elementary schools through college, and promoting peer exchanges in the field.

The City and Program Management Team have actively met with area residents, attended neighborhood and local business meetings and hosted public meetings at various times during project design and construction. Outside of meetings, the CSO e-newsletter has been delivered quarterly providing updates to more than 700 subscribers.

Youth outreach has included project site tours, participation in the World O’ Water event, and collaborating with summer school programming, youth organizations and college students to inspire interest in STEM related fields.

The CSO Program has also shared knowledge with industry peers through conference presentations and meetings. The City has regularly presented at the Nebraska Water Leaders Academy, which helps train future water policy leaders. Other audiences have included the Association of Landscape Architects, the Midwest Tunnel Symposium and the Water Environment Federation Collections Systems Conference. Presentations have also been given to the EPA officials, Omaha ACEC (American Council of Engineering Companies), and the Omaha Engineers Club.



Photo taken at an on-site CSO Program project presentation, an example of CSO Program community outreach efforts.



FIGURE 1

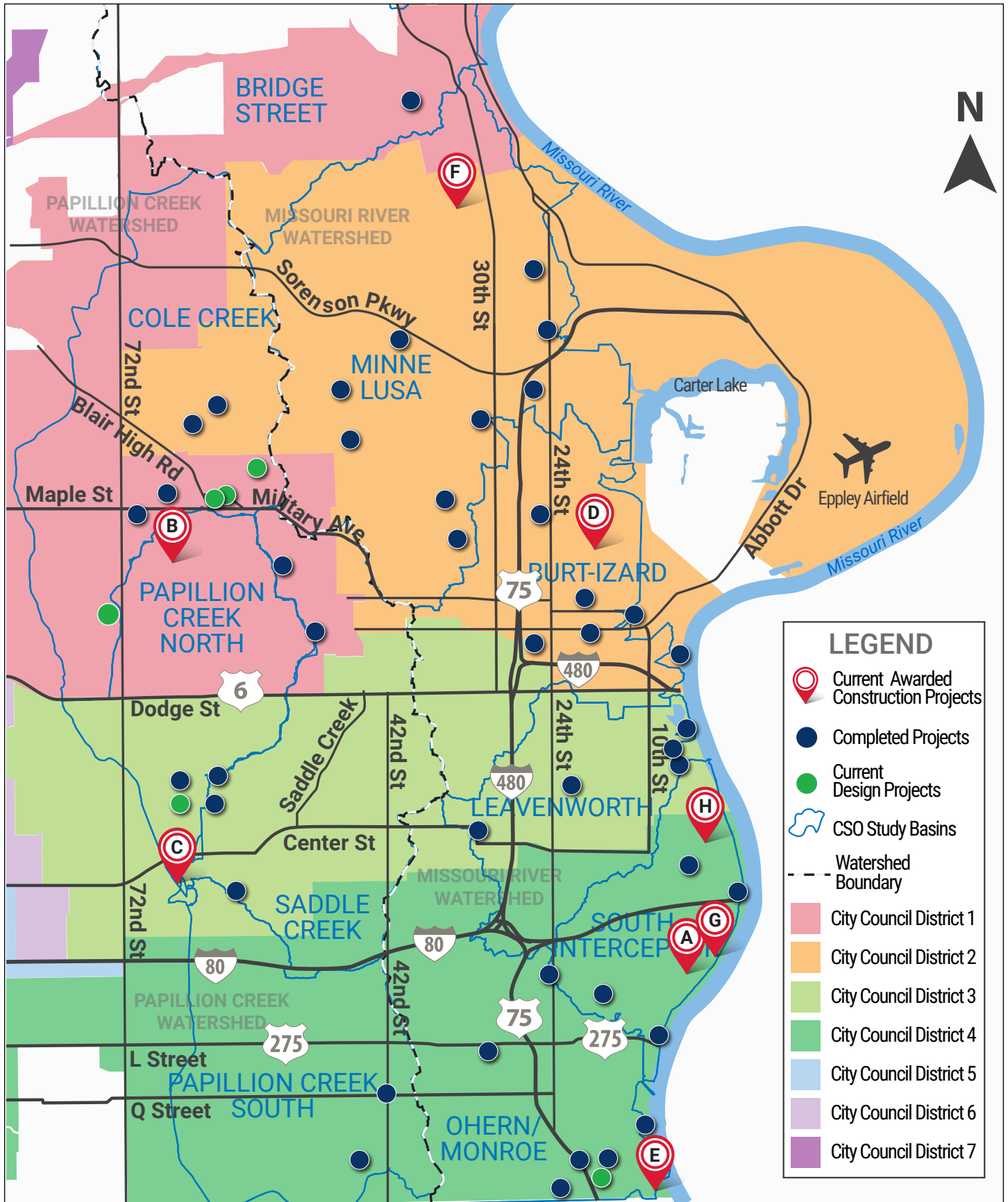


Figure 1 and the corresponding table to the right identify current and completed construction projects.



CURRENT CONSTRUCTION

	KEY	CONSTRUCTION CONTRACTS	CONSTRUCTION MANAGER'S CURRENT ESTIMATE AT COMPLETION REFLECTS CSO FUNDING*	
		Riverview Lift Station Replacement (OPW 52402)	\$25,500,000** 99% Complete	Substantial completion to be reached when pump testing is complete.
		Papillion Creek North (PCN) 210 Sewer Separation (OPW 53320)	\$8,087,000 99% Complete	Diversion structure modifications and pavement work underway.
		Saddle Creek Retention Treatment Basin (OPW 52049)	\$93,500,000 96% Complete	Landscaping is underway and start-up testing has begun.
		Nicholas Street Sewer Extension – Phase 3B (OPW 53753)	\$21,00,000 44% Complete	Construction continues, including pavement construction on 16th between Victor and Lake Street.
		Monroe Street Lift Station Improvements Project (OPW 53082)	\$27,300,000 65% Complete	Performing relining and repair of lift station influent sewers.
		Forest Lawn Creek Inflow Removal and Outfall Storm Sewer Project (OPW 52470)	\$34,400,000 27% Complete	Storm sewer tunneling is complete; pavement restoration is underway.
		Blake Street Lift Station Improvements (OPW 53270)	\$4,291,000** 76% Complete	Pump installation will occur in Q3.
		Hickory Street Sanitary Sewer Service Relocation (OPW 53899)	\$727,000 0% Complete	Construction on-hold; waiting for property owner utilities to be re-established.

*Reflects CSO Funding, does not include other project funding sources.
 **Blake Street Lift Station Improvements was added as a contract change order to the Riverview Lift Station Replacement Project.

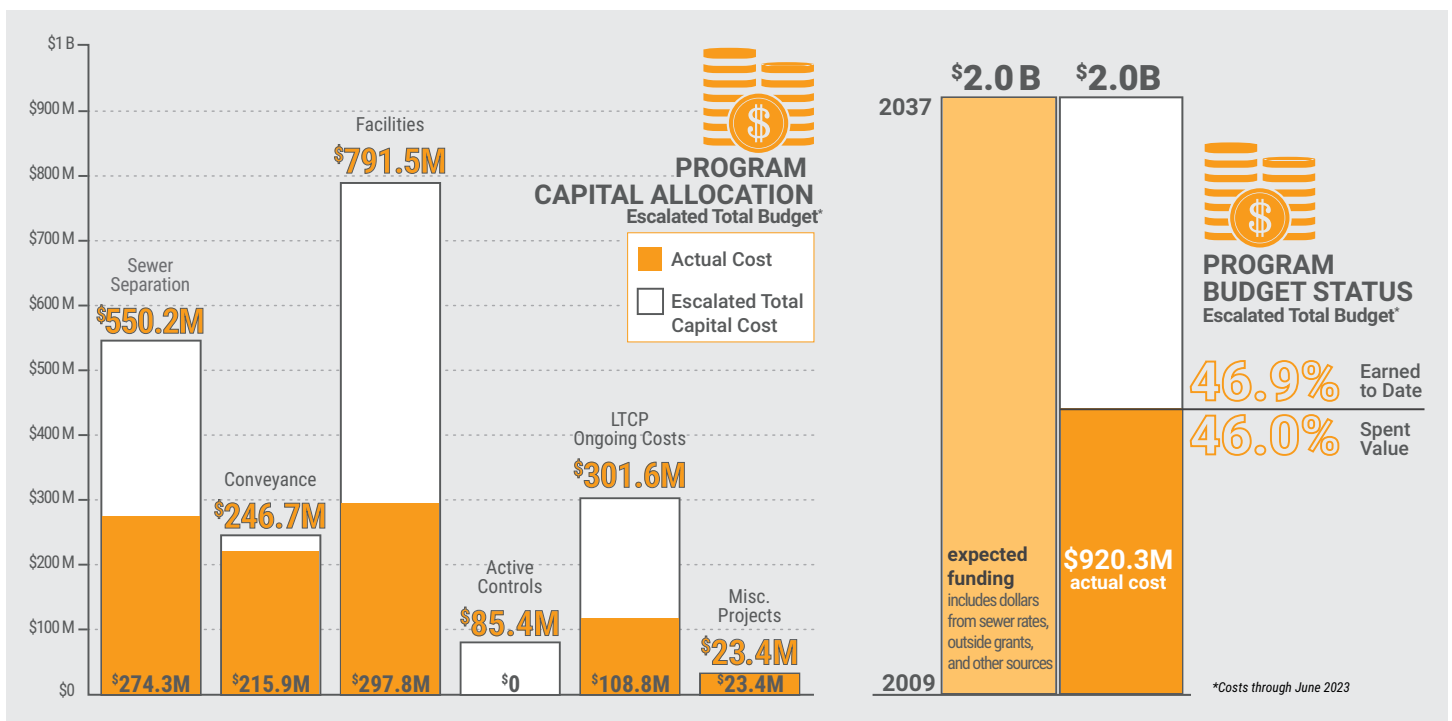


BUDGET DETAILS

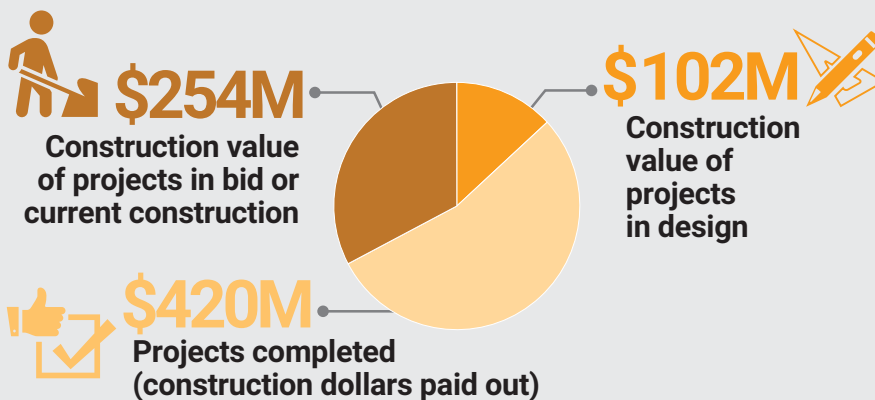


Budget Details

This schedule and costs align with the approved 2021 Long Term Control Plan (LTCP) Update that reflects the ten year time extension. The total Program budget for the project delivery schedule is noted as \$2.0 billion in escalated dollars, which takes into account the estimated effect of inflation for dollars spent between now and Program completion in 2037. The values below reflect the updated total Program budget, as well as the expected funding from the latest rate ordinance.



Estimated CSO Program Construction Costs



Approximately **\$598M** has been paid out for construction activities through June 2023.

COMPANIES ENGAGED

During the past five years,* small and emerging small businesses (SEBs) received just under **\$8M** in contracts and subcontracts, representing over **6.2%** of the total construction work contracted through the City's CSO Program. In addition, approximately **\$13M** in construction subcontracts were awarded to minority and/or women owned businesses as part of the Federal Disadvantaged Business Enterprise (DBE) program, and all of the **\$247M** General Contractor construction contracts were awarded to local Omaha area businesses during that same time.

*2018-2022



ACTIVE DESIGN PROJECT STATUS

Active design projects are defined as those currently in request for proposal phase, study or design (preliminary or final), or planned for construction (bid advertised for not yet under construction). Projects will continue to be divided into multiple design/construction contracts as appropriate. More information about each project can be found on the Program website (www.OmahaCSO.com).

ACTIVE DESIGN PROJECT STATUS OVERVIEW								
Omaha Public Works Project Number (OPW)	City Council District	Project Name	Opinion of Probable Construction Cost ¹	Issued Request for Proposal or Consultant Selection	Study and Preliminary Design	Final Design	Advertised for Bid or Awarded Contract	Comments
53869	1	CSO 202 Phase 2 – 70th Avenue and Spencer Street	\$10–15 Million			✓		Bid advertisement expected in Q3 2023.
51685	3	CSO 212 – 64th Avenue and William Street	\$5–10 Million				✓	Construction could begin as early as Q4 2023.
53149	4	CSO 119 South Barrel Conversion & Sewer Separation	\$10–15 Million		✓			Consultant negotiations underway to finish the project.
53820	1	CSO 204 Phase 4a – 57th Street and Pratt Street	\$35–40 Million		✓			30% design deliverable received in Q1 2023.
		CSO 204 Phase 4b – 56th Street and Bedford Avenue						
54293	1	East Cole Creek Interceptor Rehabilitation	\$5–10 Million		✓			10% design deliverable expected in Q3 2023.
54374	1	61st and Radial Storm Sewer	\$15–20 Million		✓			10% design deliverable expected in early Q3 2023.

1–Current Opinion of Probable Construction Cost, which reflect escalated construction bidding year values.

UPCOMING BID OPPORTUNITIES

Project	CSO 202 Phase 2 – 70th Avenue & Spencer Street
Project Type	Sewer Separation
Bid Advertisement (estimated)	Q3 2023
Begin Construction (estimated)	Q1 2024
Construction Estimate	\$10–15 Million



PROGRAM OVERVIEW

PROGRAM MANAGEMENT OVERVIEW AND ACTIVITIES

The Program Management Team (PMT) has been evaluating regulatory milestone progress and guiding projects toward compliance. PMT success has been measured by achieving Program goals and regulatory milestones at the lowest cost to ratepayers. These efforts will transition from the PMT to City of Omaha Public Works staff in 2023.

Transitioning responsibilities include:

- Maintain and update tools and process development for Program and project delivery.
- Obtain and maintain regulatory and environmental compliance.
- Maintain and update public participation, including www.OmahaCSO.com.
- Facilitate stakeholder education and outreach.
- Identify enhancement opportunities to provide added community benefits.
- Promote green infrastructure and sustainability goals.
- Adapt the Long Term Control Plan (LTCP) to changing conditions.
- Seek opportunities to reduce costs.
- Schedule oversight and tracking.

Recurring Program Quarterly Activities

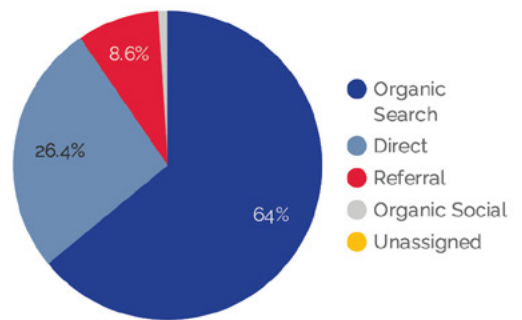
- Meet with Nebraska Department of Environment and Energy and Environmental Protection Agency Region VII to discuss Program status and project details.
- Provide outreach to OPPD, M.U.D. and others to discuss coordination, and minimize costs and disruptions.
- Work closely with City of Omaha Right-of-Way and General Services to coordinate property and easement acquisitions, bid advertisement, contracting processes and schedules.
- Inform key stakeholders, including United States Army Corps of Engineers, Nebraska Department of Transportation, UPRR, BNSF Railway and Nebraska Department of Natural Resources, regarding upcoming projects.
- Coordinate, oversee and monitor project progress to confirm completion within scope, schedule and budget.
- Identify issues that could impact on-time delivery of regulatory milestones.
- Review construction for compliance with all permits and approvals.
- Assist construction managers with understanding environmental requirements to confirm compliance.
- Monitor and coordinate permits.
- Develop and refine plans, protocols, procedures, standards, guidance documents and workflows.
- Monitor construction costs and trends in the Omaha market.

WEBSITE SUMMARY

Use of the Omaha CSO Program’s public website is tracked and Q2 2023 summary information is provided below. This continues to show active public use of the website: www.OmahaCSO.com

Total users	New users	Engaged sessions
476	443	303
Views	Average Engagement Time	
1,051	00:01:22	

Sessions by Acquisition Type



Users per Day



Top Pages / Page Views

	Page title	Views
1.	Home :: Omaha CSO	273
2.	Saddle Creek Retention Treatment Basi...	101
3.	About the Program :: Omaha CSO	82
4.	Project Map :: Omaha CSO	73
5.	Contractors' Corner :: Omaha CSO	50
6.	Public Meetings & Outreach :: Omaha C...	39
7.	Construction :: Omaha CSO	30
8.	Future :: Omaha CSO	29
9.	Forest Lawn Creek Inflow Removal and ...	26
1.	Long term Control Plan :: Omaha CSO	25

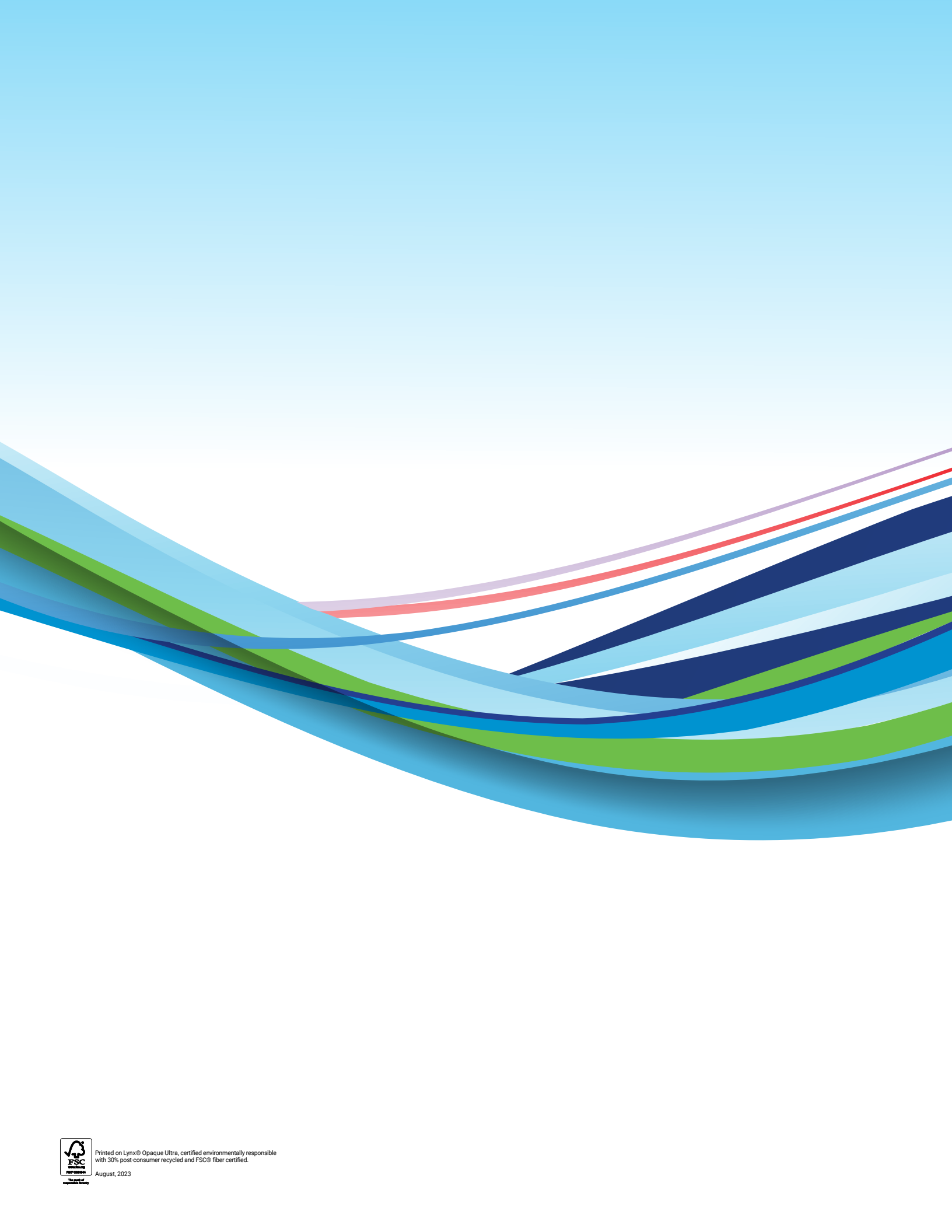


LONG TERM CONTROL PLAN PROJECTS MILESTONE SCHEDULE

The Long Term Control Plan (LTCP) project schedules shown below are consistent with the 2021 LTCP Update approved by the Nebraska Department of Environment and Energy (NDEE) in August 2021. This schedule includes a revised list of projects with committed LTCP milestone completion dates shown as colored boxes in the chart below. On March 31, 2022, the City requested modifications of LTCP/Permit Milestone dates for a few of the projects. While these dates have been agreed upon by NDEE, they are not formally adopted. Revised dates are hatched in the chart below.

Milestone Schedule of Long Term Control Plan Projects*															
Missouri River Watershed Projects	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
MINNE LUSA (ML) BASIN															
Forest Lawn Creek Inflow Removal and Outfall Storm Sewer		█		█											
Minne Lusa Relief Sewer Diversion Modifications						█									
Grace St and North Interceptor DWF Diversion Rehabilitation						█									
CSO 105 Outfall Active Control							█								
BURT-IZARD (BI) BASIN															
Nicholas Street Sewer Extension – Phase 3B			█												
North Downtown Conveyance Sewer – 11th & Izard to 6th & Abbott								█							
11th & Izard Grit and Screening Facility											█				
11th & Izard Active Control											█				
Northeast Omaha RTB – 6th Street & Abbott Drive												█			
21st & Cuming Active Control															█
OHERN-MONROE (OM) BASIN															
CSO 119 South Barrel Conversion and Sewer Separation				█											
SOUTH INTERCEPTOR (SI) BASIN															
Pierce Street Sewer Separation															█
Jones Street to Leavenworth Diversion													█		
Hickory Street Sewer Separation															█
LEAVENWORTH (LV) BASIN															
Leavenworth Basin Storage Tank (CSO 109)															█
Papillion Creek Watershed Projects															
COLE CREEK (CC) BASIN															
East CC Interceptor Rehabilitation				█											
CSO 202 Phase 2 – 70th Avenue & Spencer Street				█											
61st and Radial Storm Sewer						█									
CSO 204 Phase 4a – 57th Street and Pratt Street								█							
CSO 204 Phase 4b – 56th Street and Bedford Avenue										█					
PAPILLION CREEK NORTH (PCN) BASIN															
PCN 210 Sewer Separation	█														
CSO 212 – 64th Avenue and William Street			█												
SADDLE CREEK BASIN															
Saddle Creek Retention Treatment Basin	█														

*Additional projects are being completed within the CSO Program, but are not included in the 2021 LTCP Update schedule. These projects include: Riverview Lift Station Replacement; Blake Street Lift Station Improvements; and Monroe Street Lift Station Improvements. Dates listed in this report may not directly correspond with LTCP dates reflected here. The City works with NDEE to adjust dates as necessary to remain in compliance.



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