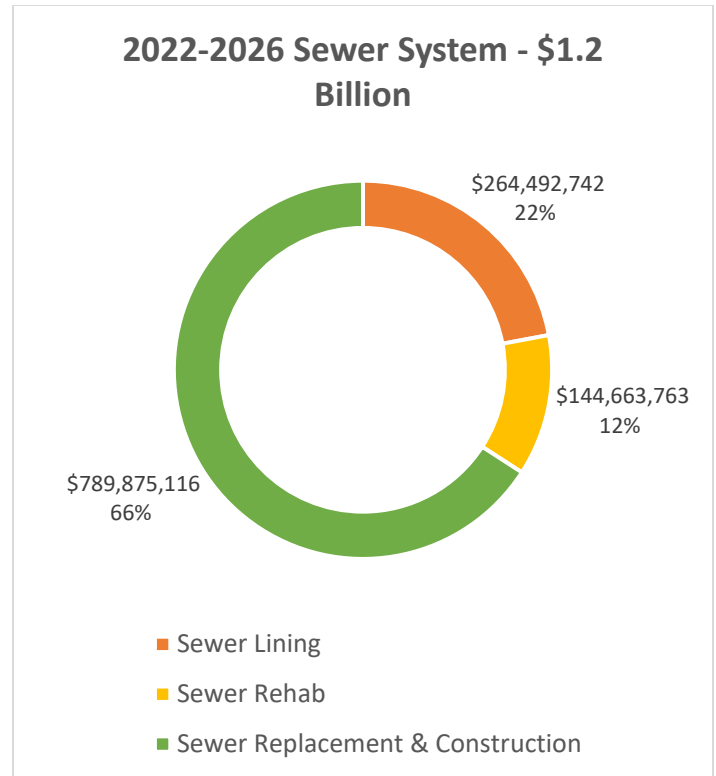


# Sewer System

The Department of Water Management (DWM) is responsible for the Sewer System Program. The City’s sewer system consists of approximately 4,500 miles of sewers, 205,000 collection structures, and 146,000 manholes citywide. The Sewer System Program provides for the replacement of deteriorated or undersized sewers based upon hydraulic evaluation, maintenance and repair records, and hydraulic evaluation. Construction costs are about \$5 million per mile for most larger sewers; however, sewers in the Central Business District can cost substantially more to reconstruct. Sewer lining and rehabilitation of large diameter sewers are also listed in this program. The City has been diligently working to rebuild or reline over 699 miles of sewer main and reline 95,000 sewer structures.

The Sewer System Program over the next five-years represents approximately 9.4% percent of the CIP at \$1.2 billion. The program will be funded with \$91.9 million from sewer fees revenue, \$748.0 million of proceeds from sewer revenue bonds, and \$362.7 million of state proceeds from the Illinois



Environmental Protection Agency state revolving fund loan program.

In 2022, DWM plans to rehabilitate 64 miles of sewer mains and install 8,200 sewer structures. Also, a Private Drain Pilot is currently in progress to identify potential technologies for private drain rehabilitation and replacement and to vet these technologies against an array of site-specific conditions and stakeholder concerns.

## Sewer Lining

Sewer System Programmatic Funding				
Funding Type	2022 (\$)	2022 (%)	2022-2026 (\$)	2022-2026 (%)
Bond	\$ 107,541,367	38.82%	\$ 744,432,867	62.09%
City	\$ 53,405,733	19.28%	\$ 91,865,134	7.66%
State	\$ 116,050,997	41.90%	\$ 362,733,620	30.25%
<b>Total</b>	<b>\$ 276,998,097</b>		<b>\$ 1,199,031,621</b>	

Sewer Lining utilizes cured-in-place and geopolymer lining technologies that rehabilitate older and damaged sewers to improve the structural integrity without excavation. The 2022-2026 Sewer Lining Program is \$264.5 million.

### **Sewer Rehabilitation**

Sewer Rehabilitation improvements include proactively lining manholes and catch basins, cleaning out sewer assets, and repairing defective private drain connections. The 2022-2026 Sewer Rehabilitation Program is \$144.7 million.

### **Sewer Replacement/Construction**

Sewer Replacement/Construction replaces deficient sewers with new larger pipes to reduce the likelihood of basement backups. The 2022-2026 Sewer Replacement/Construction Program is \$789.9 million.

