

2025-2034 Proposed Capital Investment Plan Overview



Utilities



The mission of Bellevue Utilities is to actively support public health and safety, quality neighborhoods, and a healthy and sustainable environment and economy by effectively managing drinking water, wastewater, storm and surface water and solid waste.

Rates pay for more than water

- Bellevue Utilities provides essential high-quality drinking water, wastewater, and surface and storm water services that meets the needs of our growing community.
- When Bellevue residents pay their utility bill, they also support the system that delivers their services. On average, about one-third of each rate dollar pays for capital investments.

Your utility rates support:

- Delivery of high-quality drinking water
- Environmental protection of our streams, lakes, and wetlands
- Flood control management
- Wastewater infrastructure to prevent hazard sewage overflows


What is the Capital Investment Plan (CIP)

- This 10-year Plan is updated every two years as part of the city's biennial budget process.
- The Plan includes Water, Wastewater, and Stormwater Improvement Projects
- Activities in the Plan include planning, design, and construction for projects that support the following needs:
 - Renewal and replacement of aging infrastructure
 - Capacity for growth
 - Environmental preservation
 - Operational Efficiencies


Why are Capital Investments Important?

- Maintain reliable services through the renewal/replacement aging utility infrastructure
- Support growth and development of the City
- Provide environmental stewardship
- Ensure excellent utility services


Bellevue Utilities Manages over \$10 Billion of Utility Assets

 **Drinking Water**

- 606 miles of water mains
- 40,000+ water connections
- 24 Reservoirs
- 22 Pump Stations
- 5800+ fire hydrants

 **Sewer**


- 516 Miles Mainline Pipes
- 13,000+ Maintenance Holes
- 120 miles of lateral sewer pipes
- 46 pump and flush stations

 **Storm and Surface Water**

- 408 miles of storm pipes
- 21,385 public storm drains
- 11 regional detention facilities
- 350+ city owned regional facilities



Your Utility Dollars at Work: Major Program Areas in 2025-2034 CIP



Drinking Water

Renewal/Replacement Aging Infrastructure

- Water Main Replacements
- Reservoir Rehabilitation
- Pump Station Rehabilitation
- System Controls
- Pressure Reducing Valves
- Service Lines/Saddles
- Inlet Station Rehabilitation

Capacity for Growth

- West Operating Area Reservoir

Operational Efficiencies

- Operations and Maintenance Facility



Sewer

Renewal/Replacement Aging Infrastructure

- Sewer Pump Station Improvements
- Pipe Rehabilitation/Replacement
- Minor Capital Projects
- Sewer Lake Line Replacement
- System Controls
- Permit Compliance Monitoring
- Wastewater System Capital Planning

Capacity for Growth

- Sewer Extensions-Septic Areas

Operational Efficiencies

- Operations and Maintenance Yard
- Sewer Extensions-Septic Areas



Storm and Surface Water

Renewal/Replacement Aging Infrastructure

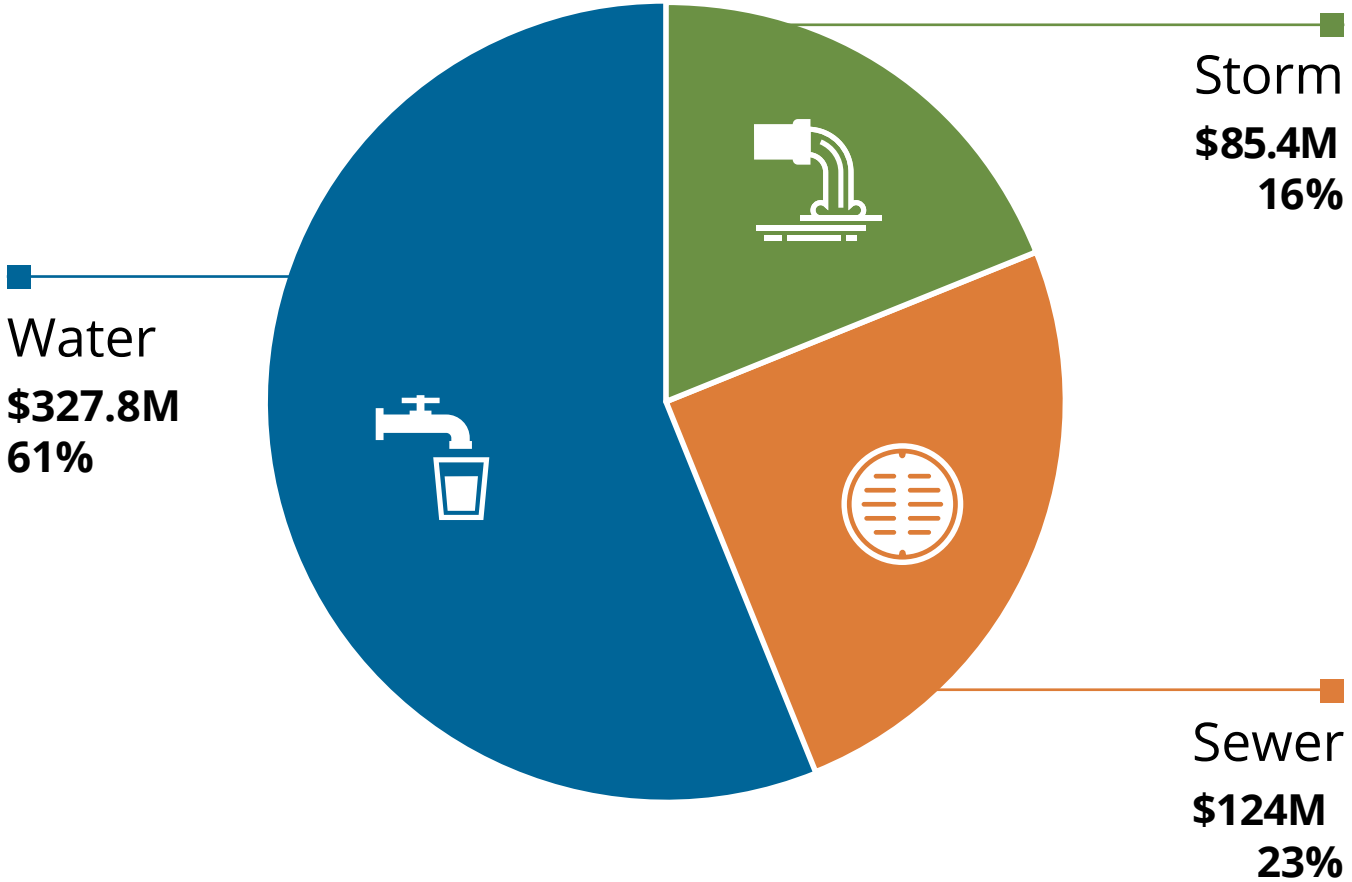
- Infrastructure Rehabilitation
- System Control
- Culvert Replacement

Environmental Preservation

- Flood Reduction
- Permit Compliance Monitoring
- Stream Improvements
- Water Quality
- Storm Water Planning

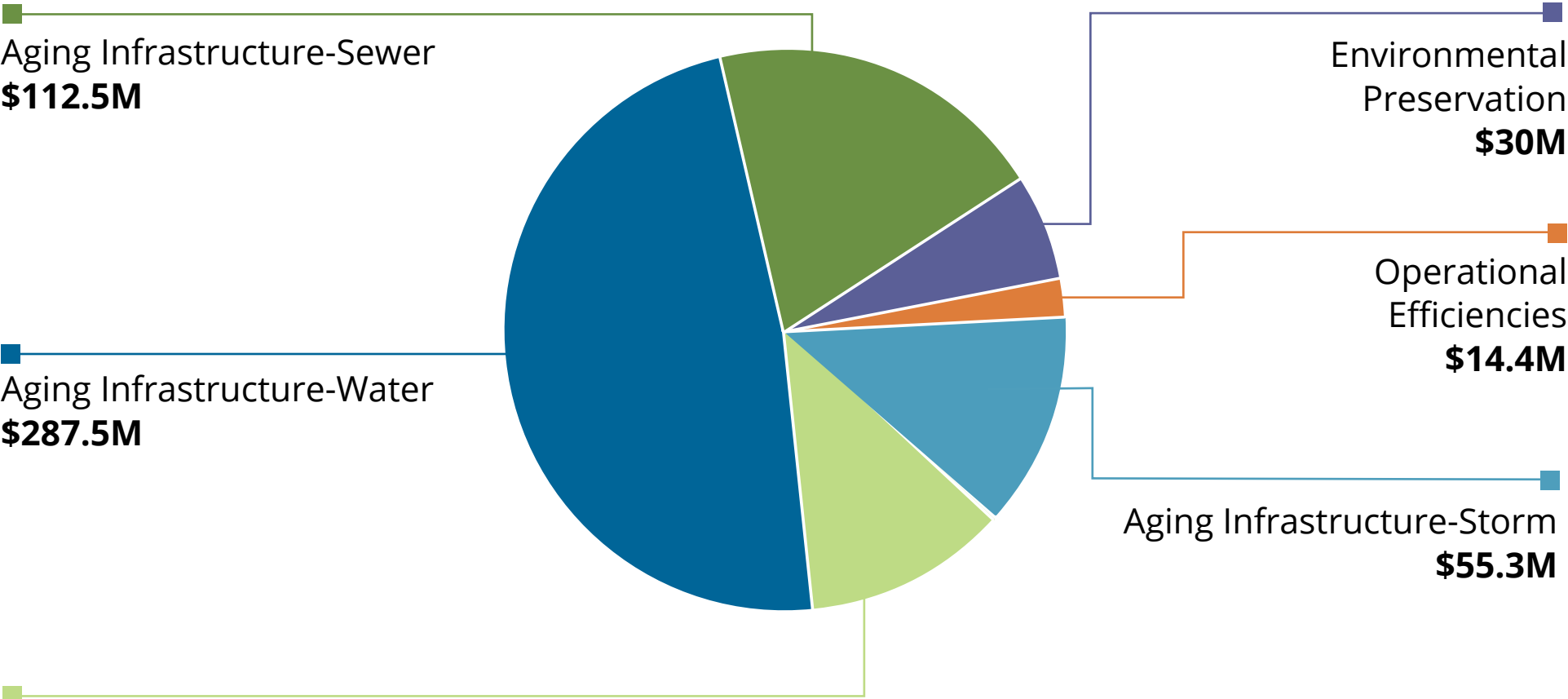
2025-2034 Proposed Capital Investments by Utility

\$537 Million



2025-2034 Proposed Areas of Investment

\$537 Million





Bellevue Utilities water capital investment projects ensure that current and future generations have reliable drinking water services. Below is a list of water projects proposed for 2025 – 2034, totaling \$327,802,000 for the 10-year budget.

Capital Investment Project	Description	Reason	Implementation	Cost
Water Main Replacement	Replace 5 miles of old water pipe each year	Renewal and Replacement	2025-2034	\$187,031,000
Pressure Reducing Valve (PRV) Rehabilitation	Replace 3 PRV stations per year; add pressure and flow monitoring	Renewal and Replacement	2025-2034	\$16,779,000
Minor (Small) Water Capital Improvement Projects	Miscellaneous projects or repairs to resolve deficiencies or improve efficiency	Renewal and Replacement	2025-2034	\$412,000
Reservoir Rehabilitation or Replacement	Replace/rehab drinking water reservoirs that have structural deficiencies and provide recoating for existing reservoirs	Renewal and Replacement	2025-2034	\$12,908,000
Water Pump Station Rehabilitation or Replacement	Rehabilitate or replace one water pump station every other year	Renewal and Replacement	2025-2034	\$29,957,000
Replacement of Large Commercial Water Meter Vaults	Replace vaults for high-volume commercial water meters due to age, access and safety problems	Renewal and Replacement	2025-2034	\$3,962,000
Increase Drinking Water Storage Availability for West Operating Area	Planning, design and construction for future reservoir needed by 2030.	Capacity for Growth	2025-2034	\$34,037,000
Water Supply Inlet Rehabilitation	Rehabilitate water supply inlets from Cascade and SPU transmission pipes	Renewal and Replacement	2025-2034	12,393,000
Maintenance and Operations Facility	Design and construction of new operations and maintenance facility	Operational Efficiency	2025-2034	\$6,249,000
Water System Planning	Evaluate and develop future CIP needs	Renewal and Replacement	2025-2034	\$796,000
SCADA System Upgrade	Upgrade the water system telemetry infrastructure	Renewal and Replacement	2025-2034	\$944,000
170th PI SE Pressure Improvements	Resolve deficient water pressure on 170th PI SE	Renewal and Replacement	2025-2034	\$288,000
Water Pressure and Capacity Improvements	Improve fire flow deficiency in Somerset Highlands neighborhood	Renewal and Replacement	2025-2034	\$5,287,000
Groundwater Well Improvements	Rehabilitate existing groundwater wells for emergency supply	Renewal and Replacement	2025-2034	\$16,759,000



Bellevue sewer capital investment projects ensure that current and future generations have reliable wastewater services. They also help protect the natural environment that we value in the Pacific Northwest. Below is a list of sewer projects proposed for 2025 – 2034, totaling \$124,014,000 for the 10-year budget.

Capital Investment Project	Description	Reason	Implementation	Cost
Sewer Pump Station Improvements	Rehabilitate or replace two sewer pump stations & force mains per year	Renewal and Replacement	2025-2034	\$45,630,000
Sewer System Pipeline Major Repairs	Repair defects found in existing sewer pipes	Renewal and Replacement	2025-2034	\$44,631,000
Minor (Small) Capital Improvement Projects	Miscellaneous projects or repairs to resolve problems or improve efficiency	Renewal and Replacement	2025-2034	\$315,000
Sewer Lake Line Replacement Program	Evaluation and replacement of sewer lake lines in Lake Washington	Renewal and Replacement	2025-2034	\$13,992,000
Sewer System Pipeline Replacement	place segments of sewer pipe that is failing	Renewal and Replacement	2025-2034	\$4,202,000
Operations and Maintenance Facility	Design and construction of new operations and maintenance facility	Operational Efficiency	2025-2034	\$8,115,000
Sewer Planning Program	Evaluate and develop future CIP needs	Renewal and Replacement	2025-2034	\$2,399,000
SCADA System Upgrade	Upgrade the sewer system telemetry infrastructure	Renewal and Replacement	2025-2034	\$1,118,000
Permit Compliance Monitoring	Permit-required monitoring of vegetation survival following improvement projects	Renewal and Replacement	2025-2034	\$198,000
Sewer Extensions in Septic System Areas	Install sewer system in areas of city currently served by septic systems	Capacity for Growth	2025-2034	\$3,414,000



Bellevue Utilities stormwater capital investment projects ensure that current and future generations have reliable storm drainage services. They also help protect the natural environment that we value in the Pacific Northwest. Below is a list of the storm projects proposed 2025 – 2034, totaling \$85,442,000 for the 10-year budget.

Capital Investment Project	Description	Reason	Implementation	Cost
Storm System Infrastructure Rehabilitation	Repair defects found in existing storm water infrastructure	Renewal and Replacement	2025-2034	\$54,442,000
Fish Passage Improvement Program	Remove in-stream barriers to fish migration	Environmental Preservation	2025-2034	\$13,865,000
Stream Channel Modification Program	Improve fish habitat in streams	Environmental Preservation	2025-2034	\$1,902,000
Flood Control Program	Construct improvements to reduce or eliminate flooding caused by the public drainage system	Environmental Preservation	2025-2034	\$10,800,000
Storm Water Quality Retrofits	Infrastructure retrofits to improve/protect water quality in the stream from road runoff	Environmental Preservation	2025-2034	\$2,688,000
Storm and Surface Water Planning Program	Evaluate and develop future CIP needs	Environmental Preservation	2025-2034	\$891,000
SCADA System Upgrade	Upgrade storm water system telemetry infrastructure	Renewal and Replacement	2025-2034	\$387,000
Post-Construction Monitoring and Maintenance Program	Permit-required monitoring of vegetation survival following improvement projects	Environmental Preservation	2025-2034	\$467,000

For More Information

www.BellevueWA.gov/utilities-cip

Questions **질문**
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