

# **Bellevue Utilities**

## **2025-2034**

### **Capital Investment Program (CIP)**

### **Proposed Budget**

## **Environmental Services Commission**

## **Presentation**

Linda De Boldt, Assistant Director, Engineering  
Birol Shaha, CIP Portfolio Manager, Engineering

April 4, 2024



# Direction Needed from Commission

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- No action required
- Informational briefing on 2025-2034 Utilities CIP Budget



# Agenda

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1. Utilities Capital Investment Plan (CIP) Overview
2. Proposed 2025-34 Utilities CIP
  - Budget Development Process
  - Changes from previous CIP
  - Investment Areas
  - Fund/Programs
    - Water
    - Sewer
    - Storm
3. Discussion and Q&A



# Roles - Capital Projects and Programs



## Staff

### Policy Implementation

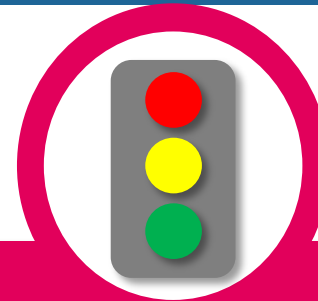
- Implement Council vision/directions
- Align projects to vision
- Develop projects using Asset Management



## ESC

### Policy Recommendation

- Review proposed programs and budget
- Request information
- Provide feedback
- Policy recommendations to Council



## Council

### Policy Decisions

- Review and approve CIP/Budget
- Direct program changes
- Approve contract award for projects
- Approve budget changes



# CIP Overview

## **What?**

- 10-year Capital Investment Plan
- Water, Wastewater, and Stormwater Funds
- Multiple programs and associated projects

## **When?**

- Updated every 2-years as part of biennial budget process

## **Why?**

- Renew/replace aging utility infrastructure
- Support growth and development
- Provide environmental stewardship
- Ensures compliance with regulations
- Ensure excellent utility services



PHOTO: DAVID JOHANSEN VASQUEZ



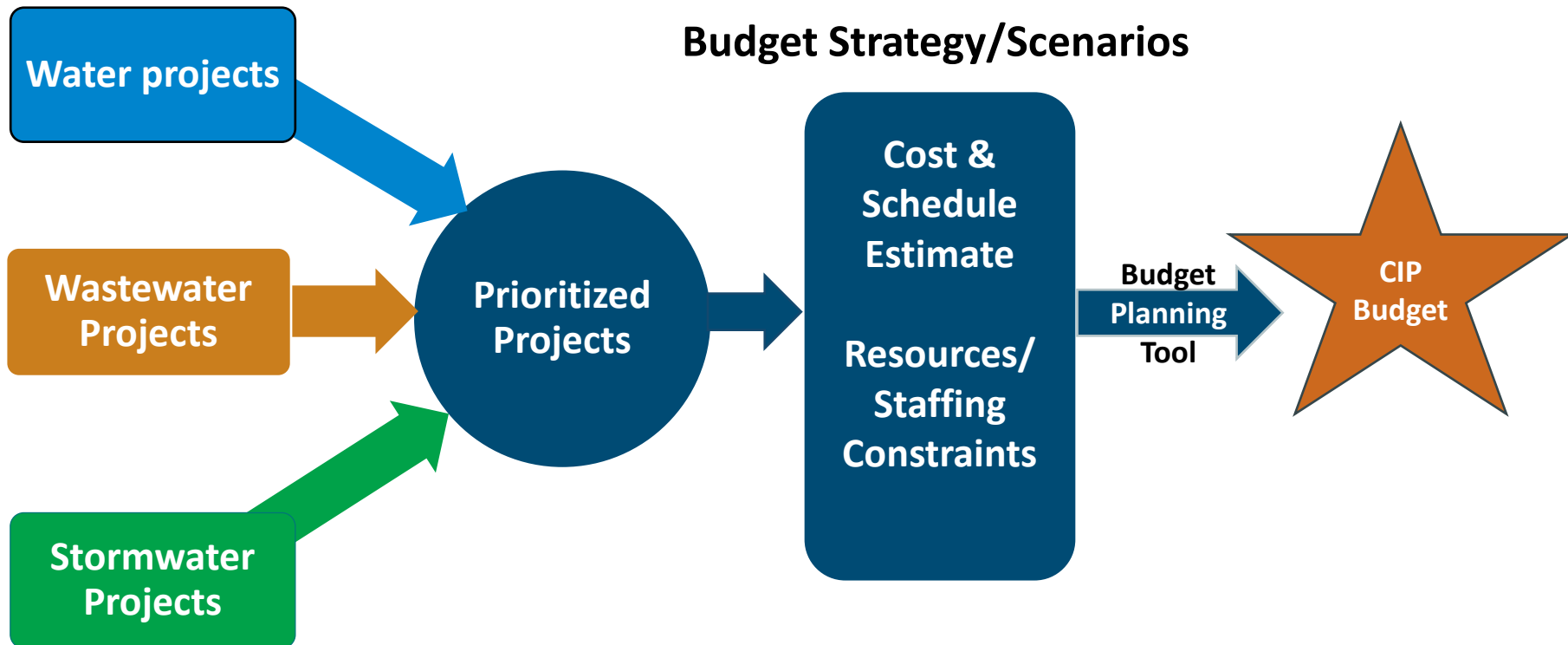


Drinking Water	Wastewater	Storm and Surface Water
<ul style="list-style-type: none"> <li>▪ 606 miles of water mains</li> <li>▪ 40,000+ water connections</li> <li>▪ 24 Reservoirs</li> <li>▪ 22 Pump Stations</li> <li>▪ 5800+ fire hydrants</li> </ul>	<ul style="list-style-type: none"> <li>▪ 516 Miles Mainline Pipes</li> <li>▪ 13,000+ Maintenance Holes</li> <li>▪ 120 miles of lateral sewer pipes</li> <li>▪ 47 pump and flush stations</li> </ul>	<ul style="list-style-type: none"> <li>▪ 408 miles of storm pipes</li> <li>▪ 21,385 public storm drains</li> <li>▪ 11 regional detention facilities</li> <li>▪ 350+ city owned regional facilities</li> </ul>

# Bellevue Utilities Manages \$10 Billion of Utility Assets



# CIP Budget Development Process



# Community Survey on Priority

- Public input early in the budget process
- Six survey questions that aimed to gauge priorities qualitatively

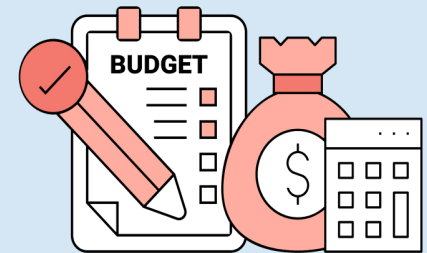
PRIORITIZATION CRITERIA	Staff Weighting	Staff Prioritization Rank	Community Prioritization Rank
Reliable Infrastructure	25%	2	1
Regulatory/Legal Compliance and Employee Safety	32%	1	3-4
Level of Service / Capacity Enhancement	18%	3	2
Project Schedule / Agency Coordination	8%	5	5
Environmental Stewardship	10%	4	3-4
Service Equity	7%	6	6



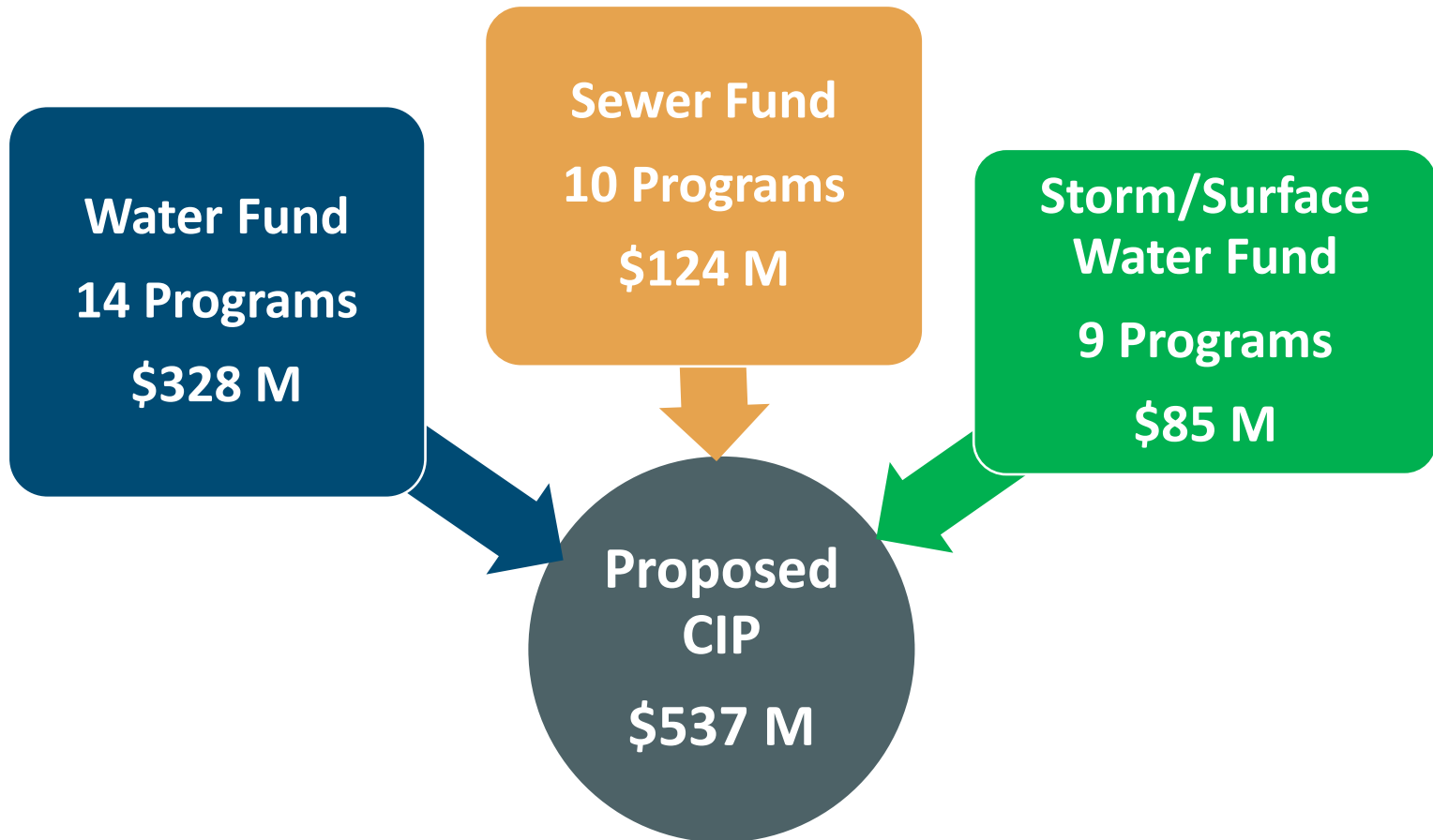


# 2025-2034 CIP Budget Approach

- Over 270+ projects identified, prioritized, programmed
- Preliminary budget developed in 2023 dollars and inflated with 3% per year
- Proposed CIP Budget adjusted with carryforward from previous budget cycle
- Transition to 10-year CIP from 7-year CIP



# Utilities Capital Investment Plan (CIP) Proposed 2025-2034



# Major CIP Change Drivers

**10-year CIP Period –  
Addition of new projects**

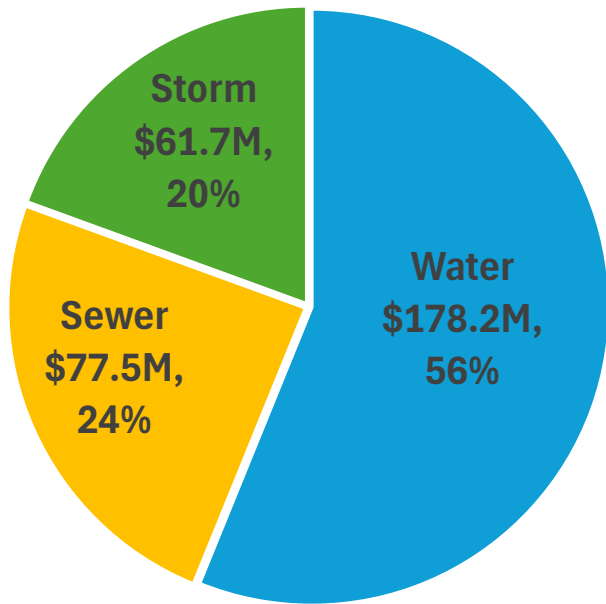
**Increased construction  
costs due to contractor  
labor shortages and higher  
material price**

**Project delays due to permit  
and easement acquisition  
challenges**

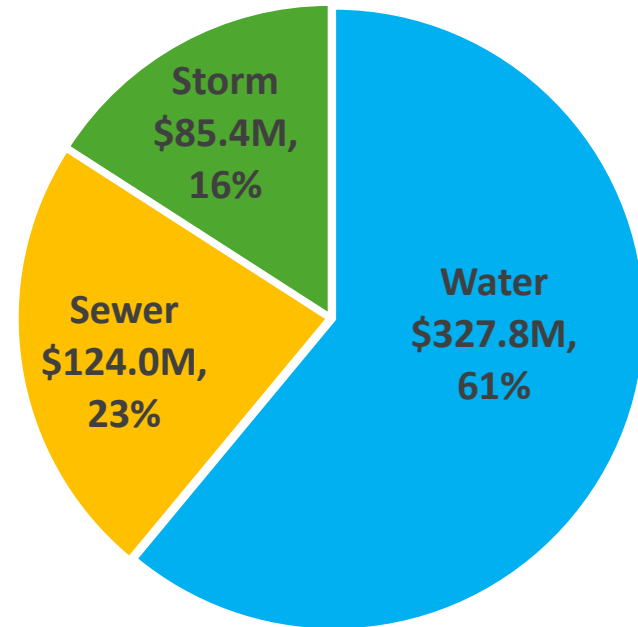


# CIP by Fund 2023-2029 vs. 2025-2034

2023-2029 CIP Budget (Adopted)  
\$317 M

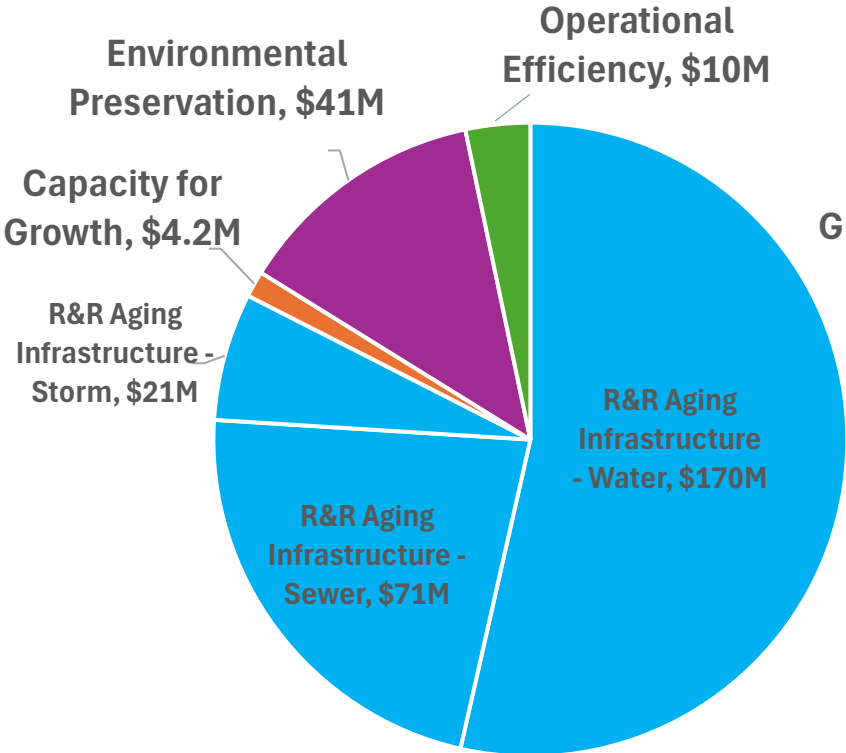


2025-2034 CIP Budget (Proposed)  
\$537 M

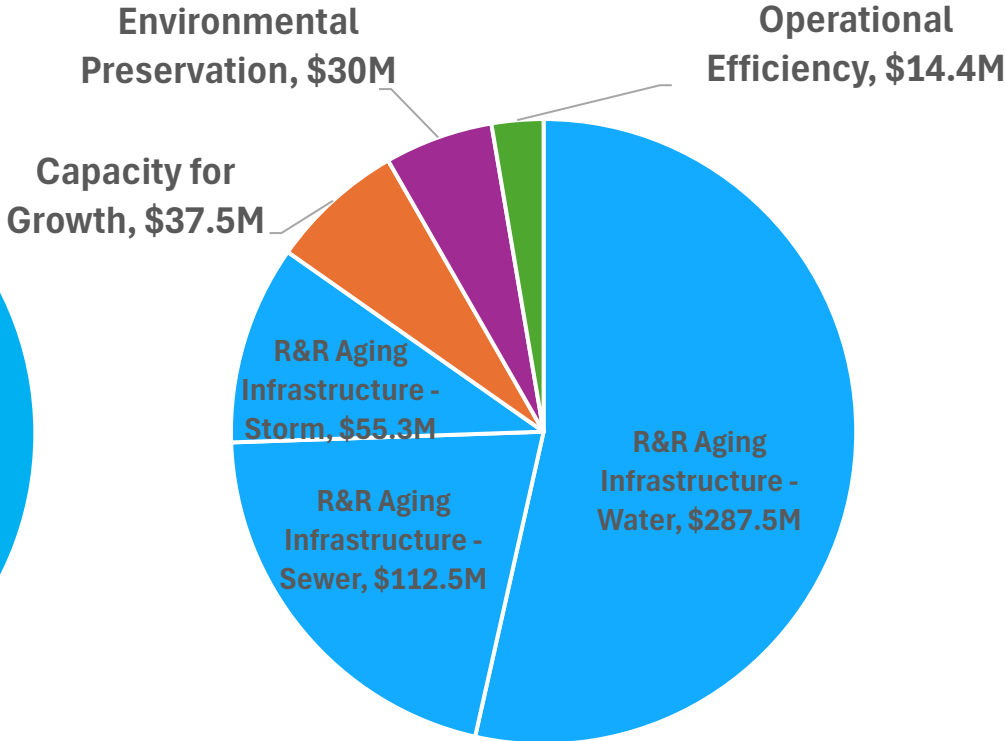


# CIP by Area of Investment 2023-2029 vs 2025-2034

**Adopted 2023-2029**  
CIP: \$317M



**Proposed 2025-2034**  
CIP: \$537M



# Water Fund

*Provide a reliable supply of safe, secure, high-quality drinking water that meets all the community's water needs in an environmentally responsible manner*



# 2025-2034 Proposed Water CIP

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31	2025- 2034 Total
Adopted 2023-29 CIP (\$M)	21.00	22.85	31.03	26.93	24.41	24.04	27.95	-	-	-	-	-	178.22	
Proposed 2025-34 CIP (\$M)	-	-	13.00	27.16	37.38	38.74	36.96	34.48	32.31	39.54	34.16	34.06	220.05	327.68
Difference (\$M)	(21.00)	(22.85)	(18.03)	0.23	12.97	14.70	9.01	34.48	32.31	-	-	-	41.83	-

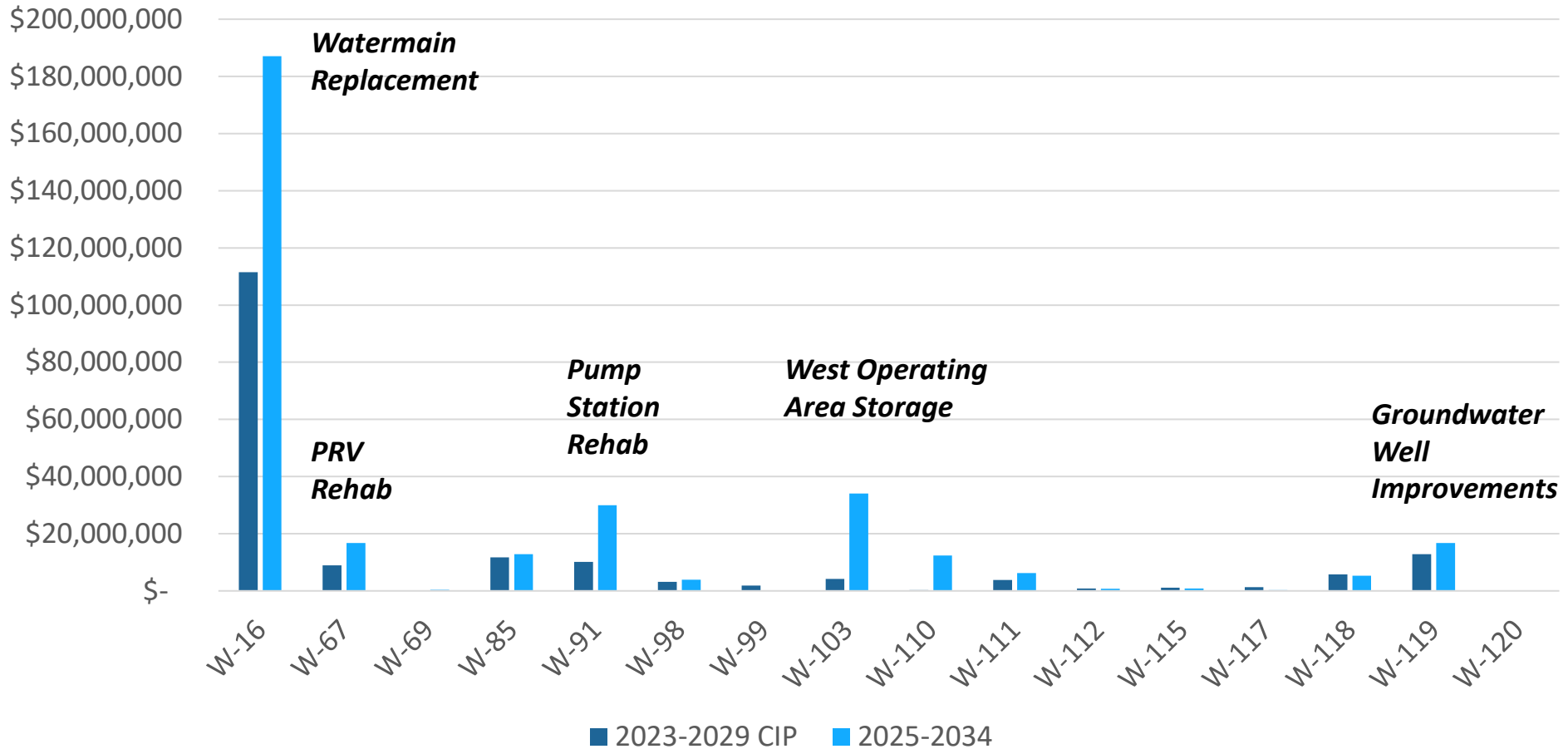
## Key Drivers for Water 2023-2031 Change:

- Watermain Replacement Program: Cost increases for water main replacement program
- West Operating Area Storage: Was design only, now design and construction (added \$34M)
- Reservoir Program : Kirkland South Reservoir now proposed as new, larger reservoir
- Pump Station Program: Added construction funding for Clyde Hill PS and Somerset 2 PS project
- Project delays extend work into 2025-2031 (previously '22-24 now '25-27)



# Water Fund: Budget by Program

Adopted 2023-2029 CIP (7-year) compared to Proposed CIP 2025-2034 (10-year)



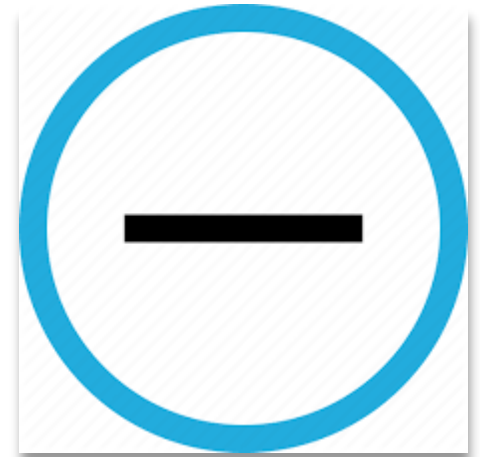


# Existing Programs

## *No Additional Budget Requests*

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- W-99 Water Service Line and Saddle Replacement
- W-105 NE Spring Boulevard Corridor
- W-108 Advanced Metering Infrastructure
- W-120 Project & Portfolio Management System



# Existing Programs

## *with Minor Budget Changes*

CIP Plan	Description	Proposed 2025-2034 Budget	Budget Change '23-29 vs '25-31 (\$M)
W-69	Minor CIP	\$0.41 M	(\$0.20 M)
W-98	Large Commercial Meter Vault Replacement	\$3.96 M	\$0.76 M
W-112	Water System Capital Planning	\$0.80 M	(\$0.09 M)
W-115	SCADA Upgrades	\$0.94 M	(\$0.22 M)
W-117	170 <sup>th</sup> Place Pressure Improvements	\$0.29 M	(\$1.08 M)
W-118	Water Pressure and Capacity Improvements <i>(titled as Somerset Highlands Capacity Improvements in 2023-2029 CIP)</i>	\$5.29 M	\$0.49 M



# Water Fund

## W-16 Water Main Replacement

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	'23-29 vs '25-31	'25-34 Total
Adopted 2023-29 CIP (\$ M)	11.95	12.53	19.45	16.16	17.35	16.33	17.76	-	-	-	-	-	111.53	-
Proposed 2025-34 CIP (\$ M)	-	-	9.97	20.45	21.64	19.44	17.86	18.40	18.95	19.52	20.10	20.71	126.71	187.03
Difference (\$M)	(11.95)	(12.53)	(9.48)	4.29	4.29	3.11	0.10	18.40	18.95	-	-	-	15.18	-

- Goal of replacing 5 miles/year, with focus on AC pipe and increasing fire flow to neighborhoods.
- The average annual cost to replace 5 miles of water main increased from \$16M to \$19M
- Project delays from 2022-2024 result in increase in 2026-2027
- Includes watermain replacement due to transportation projects (WSDOT and City of Bellevue projects)

610 miles of watermains



# Water Fund *W-67 Pressure Reducing Valves (PRV) Rehab.*

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	'23-29 vs '25-31	'25-34 Total
Adopted 2023-29 CIP (\$ M)	0.80	0.82	1.09	1.35	3.12	0.95	0.80	-	-	-	-	-	8.93	-
Proposed 2025-34 CIP (\$ M)	-	-	-	0.45	1.83	1.89	1.95	2.01	2.07	2.13	2.19	2.26	10.20	16.78
Difference (\$ M)	(0.80)	(0.82)	(1.09)	(0.90)	(1.29)	0.94	1.15	2.01	2.07	-	-	-	1.27	-

- Pressure Reducing Valves (PRVs) are needed to maintain the 69 pressure zones throughout the City
- Funding levels continue to replace average of 3 PRVs per year
- Labor shortages and supply chain problems have increased costs by 15-20%

69 pressure zones  
145 PRVs



# Water Fund

## W-85 Reservoir Rehab/Replacement

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	'23-29 vs '25-31	'25-34 Total
Adopted 2023-29 CIP (\$ M)	0.75	3.49	1.26	1.09	0.79	3.63	0.71	-	-	-	-	-	11.72	-
Proposed 2025-34 CIP (\$ M)	-	-	-	1.16	1.68	1.74	0.40	0.47	2.64	2.72	0.85	1.25	8.09	12.91
Difference (\$ M)	(0.75)	(3.49)	(1.26)	0.08	0.89	(1.89)	(0.31)	0.47	2.64	-	-	-	(3.63)	-

- Construction delay for of Horizon View 2 Reservoir Replacement and Clyde Hill 465 Improvements due to long material procurement times
- Kirkland South Reservoir scope increased from rehab to replacement
- Adjusted schedule for two seismic retrofit projects (Clyde Hill 390 and Clyde Hill 340 reservoirs)
- New Projects: Somerset 2 Reservoir, Cherry Crest Roof Improvements

24 water reservoirs



# Water Fund

## W-91 Water Pump Station Rehab

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	'23-29 vs '25-31	'25-34 Total
Adopted 2023-29 CIP (\$ M)	4.46	2.68	1.79	\$0.41	0.42	-	0.42	-	-	-	-	-	10.18	-
Proposed 2025-34 CIP (\$ M)	-	-	\$0.93	\$0.72	0.63	0.75	3.14	4.61	5.19	6.05	2.08	5.86	15.97	29.96
Difference (\$ M)	(4.46)	(2.68)	(0.86)	\$0.31	0.21	0.75	2.72	4.61	5.19	-	-	-	5.79	-

- Horizon View #2 Pump Station cost increase
- Construction delay of Cougar Mountain 1 and Horizon View 2 due to long material procurement time
- Funds added for design and construction of Somerset 2 PS rehabilitation
- Clyde Hill PS schedule adjusted to coordinate with Clyde Hill 390 Reservoir (2027 Start)
- Pump Station condition assessment to assess and prioritize future needs

22 pump stations



# Water Fund

## *W-103 West Operating Area Storage*

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	'23-29 vs '25-31	'25-34 Total
Adopted 2023-29 CIP (\$ M)	-	-	0.40	1.10	1.76	0.96	-	-	-	-	-	-	4.22	-
Proposed 2025-34 CIP (\$ M)	-	-	0.72	1.48	3.04	12.52	10.75	5.53	-	-	-	-	34.04	34.04
Difference (\$ M)	-	-	0.32	0.38	1.28	11.56	10.75	5.53	-	-	-	-	29.82	-

- Increased density in Bel-Red and Downtown driving need for more water storage by 2030
- Project includes a new 6 MG reservoir, pump station, and approximately one mile of transmission main.
- Added construction funding in 2028-2030. Previously funded design phase only.



# Water Fund

## *W-110 Water Supply Inlet Rehab*

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	23-29 vs '25-31	'25-34 Total
Adopted 2023-29 CIP (\$ M)	0.18	0.13	-	-	-	-	-	-	-	-	-	-	0.30	-
Proposed 2025-34 CIP (\$ M)	-	-	-	-	-	0.25	0.47	0.50	0.88	3.17	3.14	3.98	2.10	12.39
Difference (\$ M)	(0.18)	(0.13)	-	-	-	0.25	0.47	0.50	0.88	-	-	-	1.79	-

- Renewal and replacement of water supply Inlet stations
- New projects:
  - Water Inlet Station Condition Assessment
  - Factoria Inlet 11 Replacement (2029 start)
  - Eastgate Inlet Replacement (2030 start, coordinated with Parksite PS)





# Water Fund

## *W-111 Operations and Maintenance Yard*

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	23-29 vs '25-31	'25-34 Total
Adopted 2023-29 CIP (\$ M)	-	-	2.47	1.40	-	-	-	-	-	-	-	-	3.87	-
Proposed 2025-34 CIP (\$ M)	-	-	-	-	2.84	0.34	0.49	1.27	1.31	-	-	-	6.25	6.25
Difference (\$ M)	-	-	(2.47)	(1.40)	2.84	0.34	0.49	1.27	1.31	-	-	-	2.38	-

- Planning, acquisition, design, and construction of new operations and maintenance yard
- Challenges with land acquisition have delayed work. Land acquisition now scheduled in 2027.



# Water Fund

## *W-119 Groundwater Well Improvements*

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	23-29 vs '25-31	'25-34 Total
<b>Adopted 2023-29 CIP (\$ M)</b>	-	-	<b>0.36</b>	<b>1.92</b>	<b>0.92</b>	<b>1.73</b>	<b>7.90</b>	-	-	-	-	-	<b>12.83</b>	-
<b>Proposed 2025-34 CIP (\$ M)</b>	-	-	<b>0.10</b>	<b>0.50</b>	<b>1.44</b>	<b>0.36</b>	<b>0.73</b>	<b>1.01</b>	<b>1.26</b>	<b>5.85</b>	<b>5.51</b>	-	<b>5.40</b>	<b>16.76</b>
Difference (\$ M)	-	-	(0.26)	(1.42)	0.52	(1.37)	(7.17)	1.01	1.26	-	-	-	(7.43)	-

- Improvements to groundwater wells recommended in Emergency Water Supply Master Plan
- Schedule for Improvements at Crossroads Wells delayed by 2 years (construction in 2032-2033)
- Emergency well siting study



# Sewer Fund



*Provide a reliable wastewater system that ensures public health and safety and protects the environment*



# 2025-2034 Proposed Sewer CIP

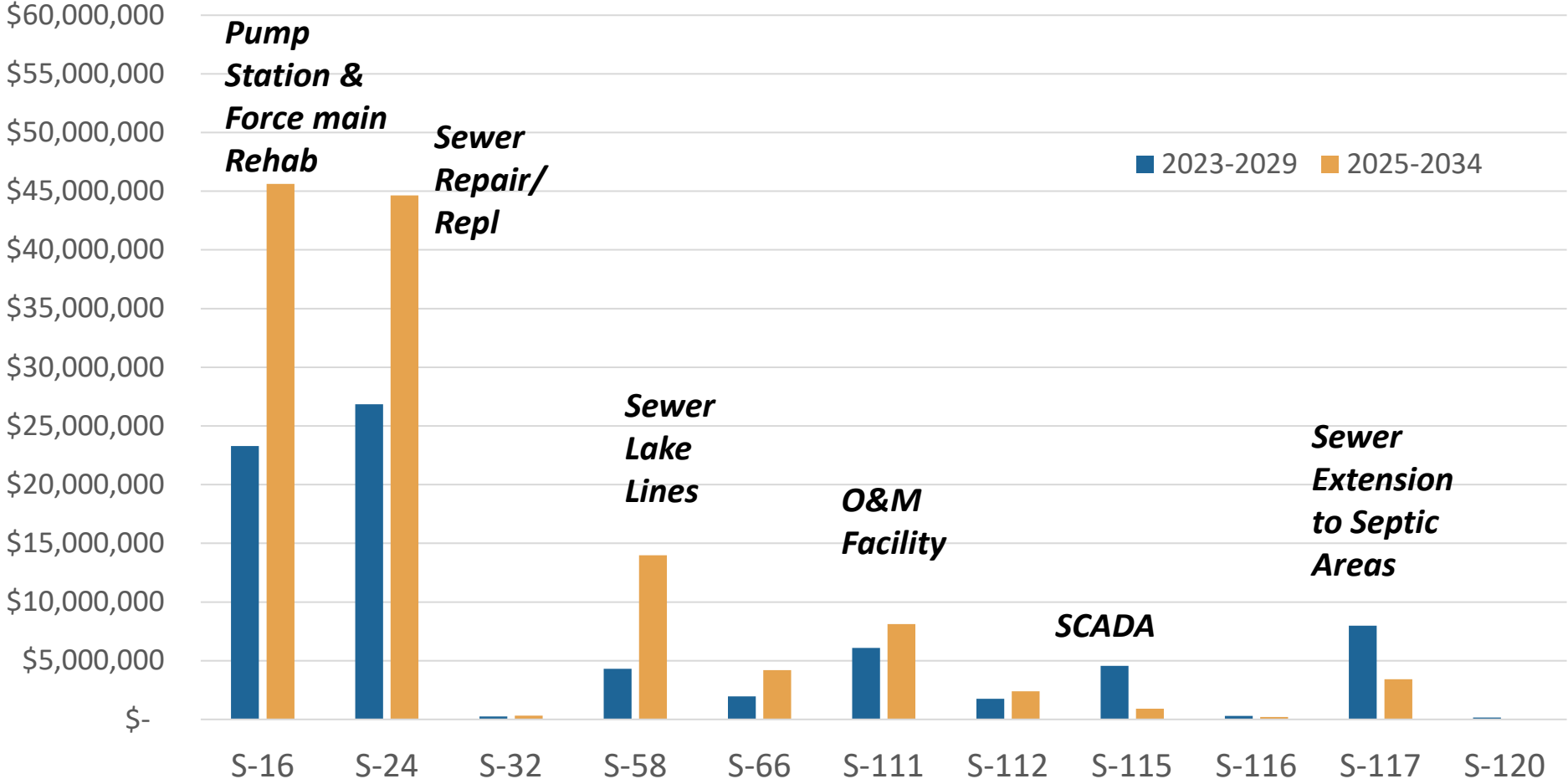
	Adopted		Proposed										Total	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	'23-29 vs '25-31	2025- 2034 Total
Adopted 2023-29 CIP (\$ M)	7.86	9.13	19.43	16.84	11.48	6.59	6.20						77.53	-
Proposed 2025-34 CIP (\$ M)			1.47	8.75	11.91	14.78	15.00	12.18	24.71	15.25	13.60	6.37	88.80	\$124.01
Difference (\$ M)	(7.86)	(9.13)	(17.96)	(8.09)	0.43	8.19	8.80	12.18	24.71				11.27	

## Key Drivers for Wastewater Changes:

- New pump station and force main construction projects
- Increased funding for sewer pipeline repair and replacement
- Updated cost estimate for Operation and Maintenance Facility
- Increase funding for Lakeline Program

# Sewer Fund: Budget by Program

Adopted 2023-2029 CIP (7-year) compared to Proposed CIP 2025-2034 (10-year)

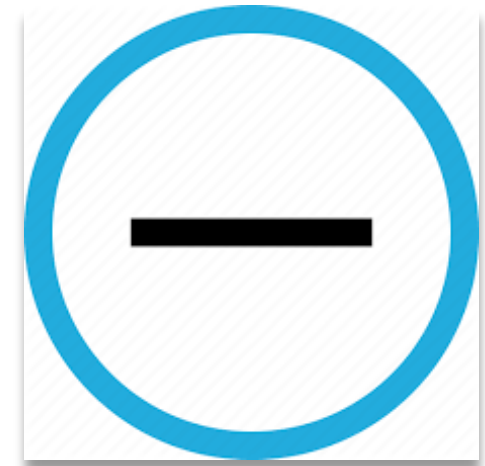


# Existing Programs

## *No Additional Budget Requests*

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- S-67 Inflow and Infiltration Investigations and Monitoring
- S-68 Sewer Force Main Condition Assessment
- S-108 Advanced Metering Infrastructure (AMI)
- S-120 Project and Portfolio Management System



# Existing Programs

## *with Minor Budget Changes*

CIP Plan	Description	Proposed 2025-2034 CIP Budget	Budget Change '23-29 vs '25-31 (\$M)
S-32	Minor CIP	\$0.32 M	\$0.06 M
S-112	Sewer Planning	\$2.40 M	\$0.23 M
S-115	SCADA Improvements	\$1.12 M	(\$3.45M)
S-116	Permit Compliance Monitoring	\$0.20 M	(\$0.09M)



# Sewer Fund *S-16 Sewer Pump Station Improvements*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31 Total	2025-2034 Total
Adopted 2023-29 CIP (\$ M)	\$1.48	\$5.94	\$3.58	\$3.03	\$5.53	\$1.72	\$2.02	-	-	-	-	-	\$23.30	-
Proposed 2025-34 CIP (\$ M)	-	-	-	-	\$2.73	\$7.37	\$8.87	\$2.93	\$15.48	\$7.47	\$0.41	\$0.37	\$37.38	\$45.63
Difference (\$ M)	\$(1.48)	\$(5.94)	\$(3.58)	\$(3.03)	\$(2.80)	\$5.65	\$6.85	\$2.93	\$15.48	-	-	-	\$14.08	-

## 9 Major Pump Stations and Force Main Projects:

- 4 construction: Newport PS (**\$17M new project**), Pump Station 12 (**\$3M increase**), Cedar Terrace PS, South Ridge PS
- 5 Business Case Analysis & Pre-design: Newport LS, Cozy Cove, Fairweather, Medina, Evergreen East pump station

47 pump and flush stations

## New projects:

- New Pump Station Minor Rehab projects (Generator, pump & electrical)
- 4 Planning Projects: Pump Station Condition Assessment Phase II & Wet Well Lining Investigation, Fairweather Basin Study and 2031 FMCA





# Sewer Fund *S-24 Sewer Pipeline Repair & Replacement*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31 Total	2025- 2034 Total
Adopted 2023-29 CIP (\$ M)	\$3.59	\$2.80	\$7.33	\$3.77	\$3.28	\$3.37	\$2.70	-	-	-	-	-	\$26.84	-
Proposed 2025-34 CIP (\$ M)	-	-	-	\$4.72	\$5.22	\$5.03	\$3.90	\$3.95	\$5.22	\$5.37	\$5.53	\$5.69	\$28.04	\$44.63
Difference (\$ M)	\$(3.59)	\$(2.80)	\$(7.33)	\$0.95	\$1.94	\$1.66	\$1.20	\$3.95	\$5.22	-	-	-	\$1.20	-

- Funding for pipe defect repair increased to align with need identified by asset management. **(+\$6M)**
- 4 projects by other agency: **Redmond NE 24<sup>th</sup> St Sewer (\$3M New Project)**, WSDOT 520/124<sup>th</sup> interchange, Bellevue Way HOV, WSDOT Sunset Creek.
- 3 pipeline projects continuing: **Bellefield Siphon (added construction cost +\$3M)**, Aqua Vista, Ballfield LL Exposed Sewer.

516 miles of pipe



# Sewer Fund

# *S-66 Sewer Pipeline Replacement*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31 Total	2025-2034 Total
<b>Adopted 2023-29 CIP (\$ M)</b>	\$0.56	\$0.07	\$0.27	\$0.84	\$0.21	-	-	-	-	-	-	-	\$1.95	-
<b>Proposed 2025-34 CIP (\$ M)</b>	-	-	-	\$1.57	\$1.54	\$1.09	-	-	-	-	-	-	\$4.20	\$4.20
<b>Difference (\$ M)</b>	\$(0.56)	\$(0.07)	\$(0.27)	\$0.73	\$1.33	\$1.09	-	-	-	-	-	-	\$2.25	-

This program incorporated into S-24 and will close when 2 existing projects completed:

- Bogline Project delayed due to easement negotiations (+\$1.8M)
- Ballpark Sewer at Kelsey Creek Lake Hills Culvert – cost increased due to better project definition (+\$3.5M).



# Sewer Fund

## *S-58 Lake Washington Lake Lines Program*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31 Total	2025- 2034 Total
Adopted 2023-29 CIP (\$ M)	0.67	0.04	0.12	0.22	0.94	1.16	1.15	-	-	-	-	-	4.30	-
Proposed 2025-34 CIP (\$ M)	-	-	-	-	-	-	0.46	1.65	1.91	2.00	7.66	0.31	4.02	13.99
Difference (\$ M)	(0.67)	(0.04)	(0.12)	(0.22)	(0.94)	(1.16)	(0.69)	1.65	1.91	-	-	-	(0.28)	-

- Planning projects: Financial and Policy study, Emergency Plan
- Early Action Project to increase operational effectiveness
- Business Case Analysis and Pre-design to replace priority reach of Lake Line
- Condition assessment project



# Sewer Fund *S-111 Operations and Maintenance Facility*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31 Total	2025- 2034 Total
Adopted 2023-29 CIP (\$ M)	-	-	3.32	2.78	-	-	-	-	-	-	-	-	6.10	-
Proposed 2025-34 CIP (\$ M)	-	-	-	-	1.34	0.69	0.86	3.53	1.70	-	-	-	8.12	8.12
Difference (\$ M)	-	-	(3.32)	(2.78)	1.34	0.69	0.86	3.53	1.70	-	-	-	2.02	-

- Challenges with land acquisition have delayed work. Land acquisition now scheduled in 2027
- Increase funding to account inflationary increases



# Sewer Fund

## *S-117 Septic Systems Sewer Extensions*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31 Total	2025-2034 Total
Adopted 2023-29 CIP (\$ M)	-	0.21	1.23	4.51	1.46	0.29	0.29	-	-	-	-	-	7.99	-
Proposed 2025-34 CIP (\$ M)	-	-	0.40	0.60	1.03	0.52	0.86	-	-	-	-	-	3.41	3.41
Difference (\$ M)	-	(0.21)	(0.83)	(3.91)	(0.43)	0.23	0.57	-	-	-	-	-	(4.58)	-

This program is for sewer main extensions to neighborhoods served by septic systems.

- One pilot project is proposed at SE 42nd Street
- Projects at 4 neighborhoods will be evaluated through Business Case Analysis (BCA) phase.
- Funding for one of the four projects to advance through design



# Storm and Surface Water Fund



*Provide a storm and surface water system that controls damage from storms, protects surface water quality, supports fish and wildlife habitat, and protects the environment*



# 2025-2034 Proposed Storm & Surface Water CIP

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31	2025-34 Total
Adopted 2023-29 CIP (\$ M)	5.53	10.54	17.18	10.24	9.38	4.99	3.84	-	-	-	-	-	61.70	-
Proposed 2025-34 CIP (\$ M)	-	-	7.31	3.72	7.05	9.83	8.56	7.25	10.95	8.97	12.26	9.54	54.67	85.44
Difference (\$ M)	(5.53)	(10.54)	(9.87)	(6.52)	(2.33)	4.84	4.82	7.25	10.95	-	-	-	(7.03)	-

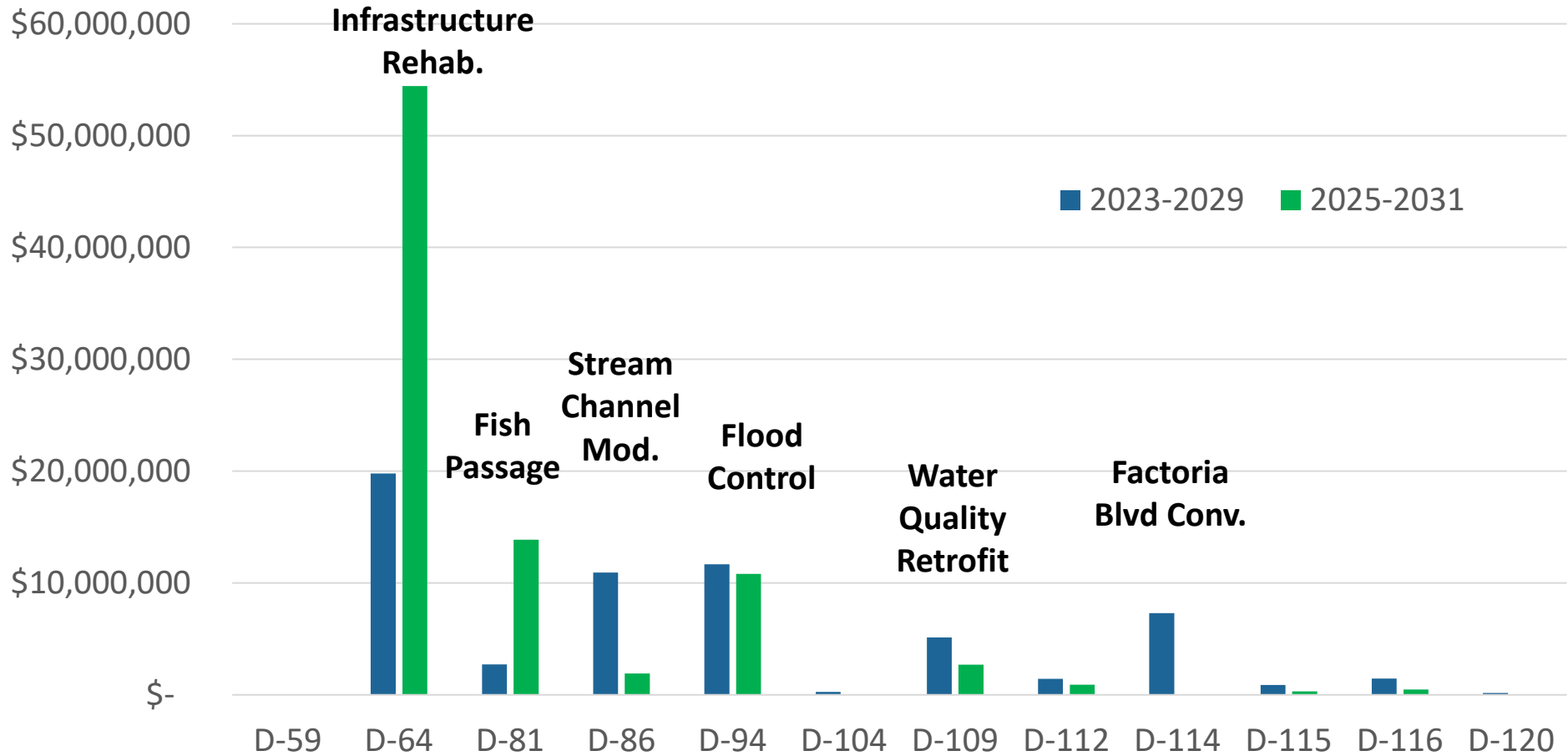
## Key Drivers for Change in Stormwater Fund:

- Scope & budget increase for Infrastructure rehabilitation program (D-64)
- Increase funding for Fish Passage program (D-81)
- Scope reduction in Stream Channel Modification program (D-86)
- Large flood reduction projects (D-114 Factoria project) will be completed
- Non-urgent projects pushed back due to resource constraints



# Stormwater Fund: Budget by Program

Adopted 2023-2029 CIP (7-year) compared to Proposed CIP 2025-2034 (10-year)



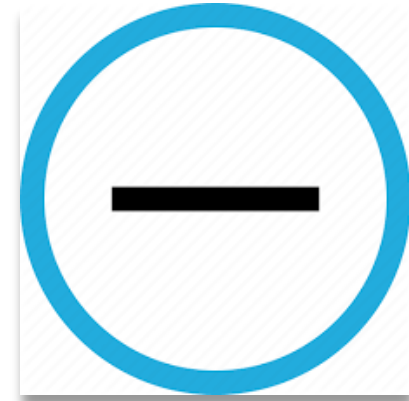


# Existing Programs

## *No Additional Budget Requests*

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- D-114 Richard's Creek / Factoria Blvd Conveyance
- D-120 Project and Portfolio Management System



# Existing Programs

## *with Minor Budget Changes*

CIP Plan	Description	Proposed 2025-2034 Budget	Budget Change '23-29 vs '25-31 (\$M)
D-112	Storm and Surface Water Planning	\$0.89 M	(\$0.53 M)
D-115	SCADA Improvements	\$0.38 M	(\$0.48 M)
D-116	Permit Compliance Monitoring	\$0.47 M	(\$0.99M)



# Storm & Surface Water Fund

## *D-64 Conveyance Infrastructure Rehabilitation*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31	2025-34 Total
Adopted 2023-29 CIP (\$ M)	3.82	1.84	2.77	2.84	2.91	2.66	2.95	-	-	-	-	-	19.79	-
Proposed 2025-34 CIP (\$ M)	-	-	6.45	1.67	3.89	5.78	7.24	5.92	8.97	4.70	4.84	4.98	39.92	54.44
Difference (\$ M)	(3.82)	(1.84)	3.68	(1.17)	0.98	3.12	4.29	5.92	8.97	-	-	-	20.13	-

- **Trenchless and Dig and Repair:** Increased scope and costs to address additional defects (+\$7M).
- **Lakemont Culvert Emergency Project**
- New projects added to the program:
  - Condition Assessment for Culverts and Gravity Mains (+\$6.3M).
  - Phase 2 of the Lakemont Culvert Emergency project (+\$4.5M).



# Storm & Surface Water Fund

## *D-81 Fish Passage Improvement*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31	2025-34 Total
Adopted 2023-29 CIP (\$ M)	0.29	0.30	1.90	0.11	0.06	0.03	0.03	-	-	-	-	-	2.72	-
Proposed 2025-34 CIP (\$ M)	-	-	0.84	1.23	0.51	2.09	-	0.27	0.96	0.94	2.66	4.37	5.90	13.87
Difference (\$ M)	(0.29)	(0.30)	(1.06)	1.12	0.45	2.06	(0.03)	0.27	0.96	-	-	-	3.18	-

- Lower Vasa Creek Fish Passage: Schedule delayed by a year.
- Kelsey Creek Lake Hills Connector Barrier Correction Phase 1 – Business Case Analysis: Schedule delayed by a year.
- Kelsey Creek Lake Hills Connector Barrier Correction Phase 2 - Design and Construction funding **(+\$9M, start 2030)**



# Storm & Surface Water Fund

## *D-86 Stream Channel Modification*

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31	2025-34 Total
Adopted 2023-29 CIP (\$ M)			6.07	3.96	0.15	0.35	0.40	-	-	-	-	-	10.93	-
Proposed 2025-34 CIP (\$ M)	-	-		0.37	1.53								1.90	1.90
Difference (\$ M)			(6.07)	(3.59)	1.38	(0.35)	(0.40)			-	-	-	(9.03)	-

- **Kelsey Creek at Glendale:** Project no longer required (**-\$9M**).
- **Coal Creek Off-site Sediment Pond Improvement:** Schedule delayed by a year; added Design and Construction dollars (**+\$2.4M**).
- Future stream projects to be identified from WMP.



# Storm & Surface Water Fund

## D-94 Flood Control Program

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31	2025-34 Total
Adopted 2023-29 CIP (\$ M)	-	2.57	2.93	1.30	4.26	0.58	0.04	-	-	-	-	-	11.68	-
Proposed 2025-34 CIP (\$ M)	-	-	-	-	0.90	0.63	0.55	0.84	0.86	2.81	4.21	-	3.78	10.80
Difference (\$ M)	-	(2.57)	(2.93)	(1.30)	(3.36)	0.05	0.51	0.84	0.86	-	-	-	(7.90)	-

- **Kelsey Creek Phase 2 Culvert Replacement at Lake Hills Blvd.:** Schedule delayed by 2 years; revised cost estimates (+\$1.4M).
- **Valley Creek Culvert at 20th St.:** Split into 2 projects
  - **Business Case Evaluation:** Schedule delayed by a year (begins in 2025).
  - **Design and Construction:** Begins in 2029 (+\$6M).



# Storm & Surface Water Fund

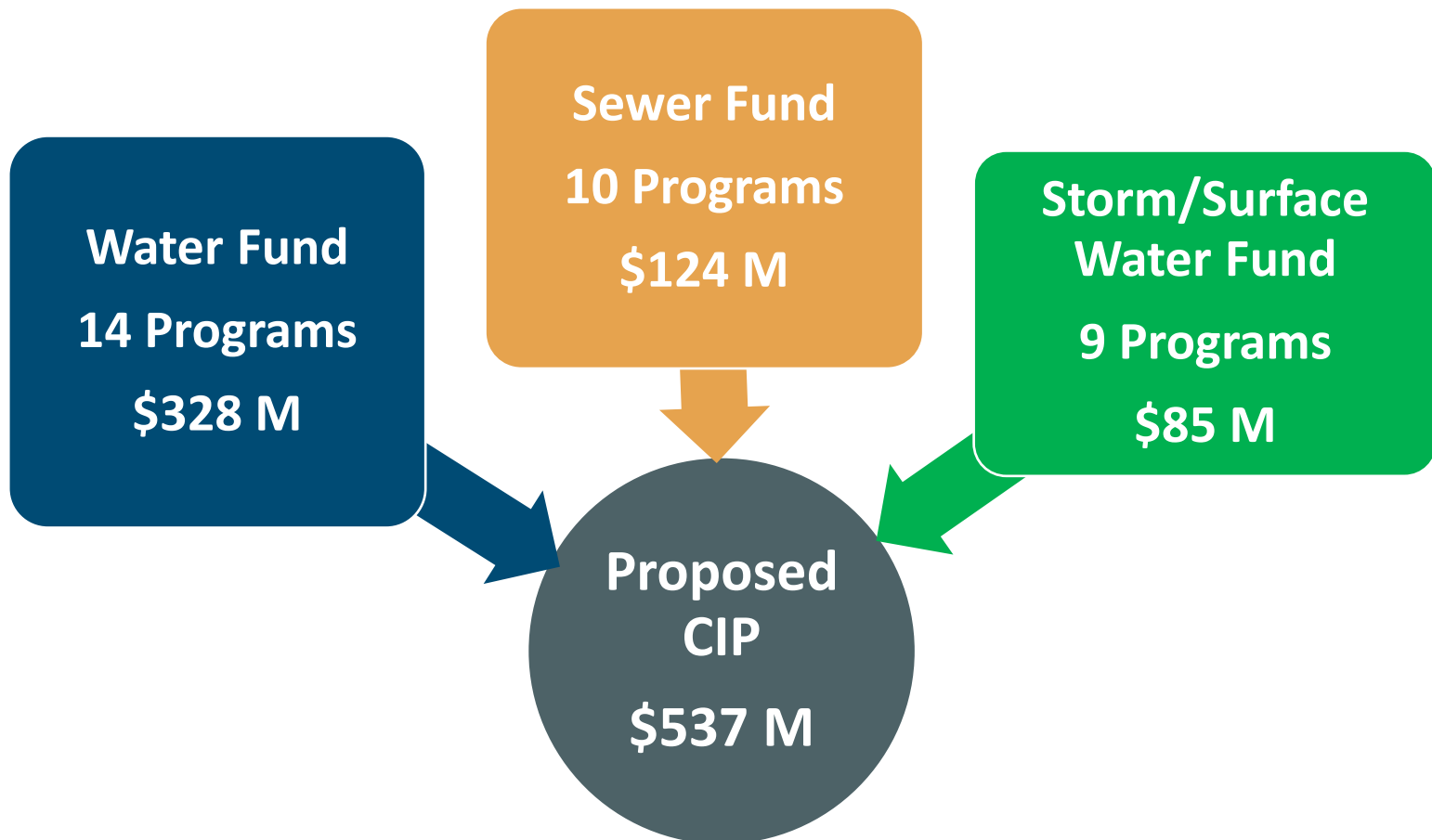
# D-109 Storm Water Quality Retrofit Program

	Adopted		Proposed										Totals	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2023-29 vs 2025-31	2025-34 Total
Adopted 2023-29 CIP (\$ M)	0.07	0.34	1.47	0.26	1.41	1.22	0.35	-	-	-	-	-	5.12	-
Proposed 2025-34 CIP (\$ M)	-	-	-	-	0.09	0.85	0.26	0.10	0.16	0.52	0.52	0.20	1.45	2.69
Difference (\$ M)	(0.07)	(0.34)	(1.47)	(0.26)	(1.32)	(0.37)	(0.08)	0.10	0.16	-	-	-	(3.67)	-

- **I-405/114th Ave WQ treatment at Sturtevant Creek Outfall:** postponed until WSDOT re-assess location and technical feasibility (-\$2M).
- **Pond A O/W Separator Replacement/ Removal:** Scope and schedule change (-\$1.3M).
- 2 WSDOT Fee projects and 2 early action projects from WMP prioritized and included later in the 10-yr CIP.



# Capital Investment Program (CIP) Plan Proposed 2025-2034





# 2025-2034 CIP - Key Points

- CIP delivery ensures sustainable utility services to our customers.
- Continued investment in:
  - R&R for Aging Infrastructure
  - Support Community Growth
  - Regulatory Compliance
  - Environmental Stewardship
  - Operational Efficiencies
- Recent cost increases have contributed a significant increase to existing and proposed projects
- Ramp up of renewal and replacement programs in the Sewer Utility
- Budget aligned with R&R study, and balanced with available resources to deliver



# 2025-2034 CIP Budget Schedule

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- April 8-19:** CIP On-Line Open House
- April 15 & 17:** CIP In-Person Open House - Crossroads Mall
- April 18:** CIP In-Person Open House at City Hall
- April 26:** Memo to ESC summarizing results of CIP Open House
- May 2:** 2025-2034 CIP Budget Proposals presented to ESC
- June (TBD):** ESC Tour of CIP Project Sites



# Questions/Discussion

