

RESOLUTION NUMBER 200-2022
Kitsap County Public Works Sewer Utility
Six-Year Capital Facilities Plan 2023-2028

WHEREAS, in compliance with RCW 90.48 and Kitsap County Code 13.12, the Kitsap County Department of Public Works/Sewer Utility has conducted an assessment of the County owned/operated municipal sanitary sewer systems and has developed a six-year capital facilities plan for financing municipal sanitary sewer system improvements for the period of January 1, 2023 through December 31, 2028 and,

WHEREAS, in further compliance with said RCW, the Board of Kitsap County Commissioners has held a public hearing this 28th day of November 2022,

BE IT THEREFORE RESOLVED, by the Board of Kitsap County Commissioners, that the attached Six-Year Capital Facilities Plan for Kitsap County Department of Public Works / Sewer Utility be adopted as set forth in detail, for the period mentioned, consisting of three pages, which are incorporated and made part of this Resolution.

BE IT FURTHER RESOLVED, that, pursuant to RCW 36.70A.130(2)(a)(iv) and KCC 21.08.040, the Board of County Commissioners hereby incorporates portions of the Sewer Utility Six-Year Capital Facilities Plan into the Kitsap County Comprehensive Plan, Capital Facilities Plan. This incorporation by reference replaces and updates the Kitsap County Sanitary Sewer section, specifically the subsection entitled "Capital Facilities Projects and Financing: 2022-2027." The portions of the Sewer Utility Six-Year Capital Facilities Plan that are incorporated are only those components necessary for the Capital Facilities Plan, and set forth in the current Capital Facilities Plan.

DATED this 28th day of November, 2022.



ATTEST:

Dana Daniels

Dana Daniels
Clerk of the Board

BOARD OF COUNTY COMMISSIONERS
KITSAP COUNTY, WASHINGTON

E. E. Wolfe
EDWARD E. WOLFE, Chair

NOT PRESENT

Charlotte Garrido
CHARLOTTE GARRIDO, Commissioner

Robert Gelder
ROBERT GELDER, Commissioner

200-2022

Kitsap County Sewer Utility 6-Year Capital Facility Plan (CFP) 2023-2028

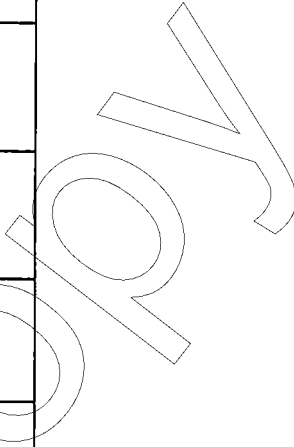
Project Type
T - Treatment
C/C - Collection and Conveyance

Project Purpose
A. Capacity
B. Outdated Infrastructure/Redundancy
C. Water Quality / Water Resource
D. Energy Efficiency
E. Planning

Table SS.3-1. Capital Facilities Projects and Financing 2023-2028

CFP #	Project #	Project Identification & Scope	Project Type	Purpose(s)	Project Phase	2023	2024	2025	2026	2027	2028	6-Year CFP Total	Estimated Total Project Cost**
1	PR000073	Klamath TP Water Reclamation and Reuse The project would upgrade the secondary treatment process to tertiary treatment to provide reclaimed water for irrigation use. Joint project with Squamish Tribe	T	C	Eng/Permitting Const/CM Total		\$ 50,000 \$ 50,000	\$ 1,000,000 \$ 1,000,000	\$ 1,000,000 \$ 1,000,000	\$ 3,000,000 \$ 3,000,000	\$ 2,500,000 \$ 2,500,000	\$ 2,050,000 \$ 5,500,000 \$ 7,550,000	\$8,300,000
2	PR000847	CKTP HVAC Upgrades The project is to replace the HVAC system including duct work and controls in the Admin and Process Buildings with more efficient equipment. The existing HVAC system in the Administration Bldg does not maintain the a reliable temperature required in the laboratory for accreditation. Proportionate share from Poulsbo and Keyport USN *	T	B & D	Eng/Permitting Const/CM Total	\$ 250,000 \$ 750,000 \$ 1,000,000	\$ 750,000 \$ 750,000					\$ 250,000 \$ 1,500,000 \$ 1,750,000	\$1,750,000
3	PR001012	CKTP Solids and Liquid Hauled Waste Upgrades Long term solids improvements and development liquid hauled waste facilities. Elements of the project include adding a third digester, new thickening process, in-plant pump station, septage and FOG receiving stations, and rehabilitate an existing digester Proportionate share from Poulsbo and Keyport USN *	T	A & B	Eng/Permitting Const/CM Total	\$ 8,000,000 \$ 12,044,000 \$ 20,044,000	\$ 1,250,000 \$ 13,294,000 \$ 14,544,000	\$ 18,000,000 \$ 18,000,000 \$ 36,000,000	\$ 2,520,720 \$ 12,000,000 \$ 14,520,720	\$ 6,483,280 \$ 6,483,280	\$ 5,000,000 \$ 5,000,000	\$ 11,770,720 \$ 53,527,280 \$ 65,298,000	\$65,300,000
4	PR000855	WWTP's Structural Coatings Repair and install lining and coating systems in vaults, tanks, and basins to restore integrity and extend life at outlying treatment plants. Proportionate share from Poulsbo and Keyport USN *	T	B	Eng/Permitting Const/CM Total	\$ 350,000 \$ 350,000	\$ 350,000 \$ 350,000					\$ - \$ 700,000 \$ 700,000	\$700,000
5	PR000859	Squamish TP Pipe Replacement Replacement of deteriorated process piping throughout treatment plant.	T	B	Eng/Permitting Const/CM Total	\$ 200,000 \$ 1,000,000 \$ 1,200,000	\$ 300,000 \$ 300,000					\$ 200,000 \$ 1,300,000 \$ 1,500,000	\$1,500,000
6	PR001013	SCADA System Upgrades Long term upgrades to the Supervisory Control and Data Acquisition (SCADA) system to improve communications between all the pump stations and treatment plants. Proportionate share from Poulsbo and Keyport USN *	T	B	Eng/Permitting Const/CM Total	\$ 336,000 \$ 336,000	\$ 895,000 \$ 895,000	\$ 811,000 \$ 811,000	\$ 615,000 \$ 615,000	\$ 421,000 \$ 421,000	\$ 210,000 \$ 210,000	\$ 3,288,000 \$ 3,288,000	\$3,300,000
7	PR000744	Sewer Utility Facility Plans Update Sewer Utility 20-year facility plans for all four County sewer service areas. Updates include treatment and collection/conveyance recommendations. Proportionate share from Poulsbo and Keyport USN *	T&C/C	E	Eng/Permitting Const/CM Total	\$ 675,000 \$ 675,000						\$ 675,000 \$ 675,000	\$3,763,000

CFP #	Project #	Project Identification & Scope	Project Type	Project Purpose(s)	Project Phase	2023	2024	2025	2026	2027	2028	6-Year CFP Total	Estimated Total Project Cost**
8	PR000054	Pump Station 3 Upgrades Replacement of existing PS 3 with new facility, in conjunction with Port of Silverdale, Inc., Old Town Silverdale sewers. Elements of the project include a new building, wetwell, pumps, drives, motors, instrumentation controls, and electrical.	C/C	A, B, & D	Eng/Permitting Const/CM Total	\$ 600,000 \$ 600,000 \$ 600,000	\$ 3,510,000 \$ 3,510,000 \$ 3,510,000					\$ 600,000 \$ 7,020,000 \$ 7,620,000	\$8,134,000
9	PR000680	Lemolo Shores Pipeline Upgrade The project is to replace the existing forcemain with a new upsized pipe for capacity and replace outdated material. Project includes 4,300 LF of 24-inch pipe.	C/C	A & B	Eng/Permitting Const/CM Total		\$ 4,100,000 \$ 4,100,000 \$ 4,100,000					\$ - \$ 4,100,000 \$ 4,100,000	\$4,650,000
10	PR000684	Third Lemolo Siphon The project will construct a third siphon under Liberty Bay for capacity and redundancy. City of Poulsbo will conduct pre-design and permitting effort.	C/C	A & B	Eng/Permitting Const/CM Total		\$ 710,000 \$ 710,000 \$ 710,000					\$ 1,420,000 \$ - \$ 1,420,000	\$8,000,000
11	PR001014	Pump Station 4 and C/C Piping Upgrades The project will increase capacity and upgrade pump station 4 including new wetwell, pumps, drives, motors, instrumentation controls, and generator. Replace 2,050 LF of forcemain and 640 LF of gravity piping in Old Town Silverdale and adjacent to Pump Station 4.	C/C	A & B	Eng/Permitting Const/CM Total	\$ 5,525,000 \$ 5,525,000 \$ 5,525,000	\$ 5,525,000 \$ 5,525,000 \$ 5,525,000					\$ - \$ 11,050,000 \$ 11,050,000	\$12,164,000
12	PR000681	New Yard City I&I Repair Repair of collection system elements to eliminate infiltration and inflow into the treatment system.	C/C	B	Eng/Permitting Const/CM Total	\$ 300,000 \$ 300,000 \$ 300,000	\$ 300,000 \$ 300,000 \$ 300,000					\$ - \$ 900,000 \$ 900,000	\$6,292,000
13	PR000059	Old Military Rd. Piping Upgrades Replacing existing sewer on Old Military Road from Steele Creek to Wauga Way to increase capacity.	C/C	A & B	Eng/Permitting Const/CM Total	\$ 450,000 \$ 450,000 \$ 450,000	\$ 450,000 \$ 450,000 \$ 450,000	\$ 5,800,000 \$ 5,800,000 \$ 5,800,000				\$ 900,000 \$ 5,800,000 \$ 6,700,000	\$6,700,000
14	PR000685	Pump Station 19 and Pump Station 31 Upgrades Upgrades to PS 19 and replacement of PS 31.	C/C	A, B, & D	Eng/Permitting Const/CM Total	\$ 150,000 \$ 150,000 \$ 150,000						\$ - \$ 150,000 \$ 150,000	\$6,292,000
15	PR000686	Chico Creek Bridge EM Replacement Move forcemain in roadway to new bridge installed by WSDOT.	C/C	B	Eng/Permitting Const/CM Total	\$ 291,000 \$ 291,000 \$ 291,000						\$ - \$ 291,000 \$ 291,000	\$350,000



CFP #	Project #	Project Identification & Scope	Project Type	Project Purpose(s)	Project Phase	2023	2024	2025	2026	2027	2028	6-Year CFP Total	Estimated Total Project Cost**
16	PR000070	Bangor/Keypert Foremain Replacement Design and construction of 12" reinforced concrete sewer foremain between Bangor Basin and Pump Station 24. Keypert to Pump Station 24 and from Pump Station 24 to CKTP, due to H2S deterioration. Proportionate share from Poulsbo and Keypert USN *	C/C	B	Eng/Permitting Construct Total	\$ 16,087,000 \$ 16,087,000 \$ 16,087,000	\$ 29,524,000 \$ 2,645,000 \$ 34,964,000	\$ 29,421,000 \$ 2,111,000 \$ 29,421,000	\$ 16,845,720 \$ 1,615,000 \$ 16,845,720	\$ 10,614,280 \$ 3,421,000 \$ 10,614,280	\$ 7,710,000 \$ 2,710,000 \$ 7,710,000	\$ 129,079,000 \$ 16,087,000 \$ 16,087,000	\$ 160,195,000
Totals						\$ 34,964,000	\$ 29,524,000	\$ 29,421,000	\$ 16,845,720	\$ 10,614,280	\$ 7,710,000	\$ 129,079,000	\$ 160,195,000

Summary: Costs and Revenues

Costs:	Capacity Projects	\$ 14,725,000	\$ 26,879,000	\$ 27,310,000	\$ 15,230,720	\$ 7,193,280	\$ 86,338,000
	Non-capacity Projects	\$ 20,239,000	\$ 2,645,000	\$ 2,111,000	\$ 1,615,000	\$ 3,421,000	\$ 32,741,000
	Total Project Costs	\$ 34,964,000	\$ 29,524,000	\$ 29,421,000	\$ 16,845,720	\$ 10,614,280	\$ 129,079,000
Revenues:	Sewer Revenue Bonds	\$ -	\$ -	\$ 25,000,000	\$ -	\$ -	\$ 25,000,000
	DOE State Revolving Fund	\$ 675,000	\$ -	\$ -	\$ -	\$ -	\$ 675,000
	Department of Defense Grant	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000
	Public Works Trust Fund Loan	\$ 8,500,000	\$ -	\$ -	\$ -	\$ -	\$ 8,500,000
	City of Poulsbo Proportionate Share	\$ 2,570,781	\$ 8,243,459	\$ 3,782,200	\$ 3,797,144	\$ 2,090,856	\$ 1,042,000
	USN Keypert Proportionate Share	\$ 65,678	\$ 397,324	\$ 497,459	\$ 626,406	\$ 504,019	\$ 2,320,809
	Sewer Fund/Construction Fund	\$ 13,152,541	\$ 20,883,217	\$ 161,331	\$ 12,482,170	\$ 8,019,405	\$ 6,438,087
	Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

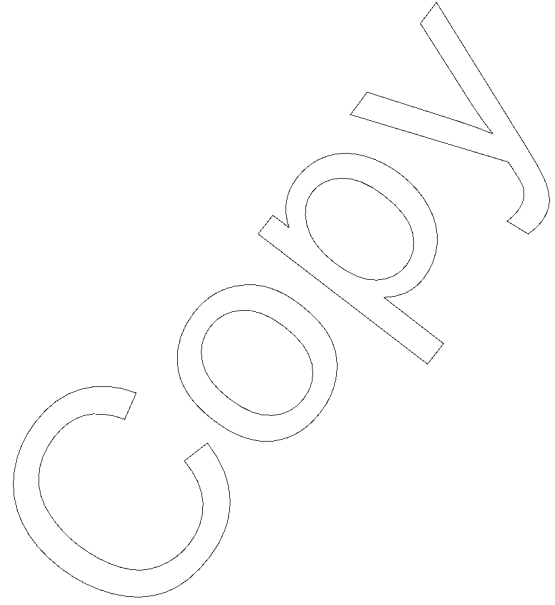
* The City of Poulsbo will pay a proportionate share of the cost of the following projects in accordance with the sewer service contract with Kitsap County

- CKTP Projects - 20%
- Lemolo Shores and Lemolo Siphon - 100.0%
- Bangor/Keypert Foremain Project - 15.7%

* The Keypert USN Baso will pay a proportionate share of the cost the following projects in accordance with the sewer service contract with Kitsap County

- CKTP Projects - 3.33%
- Bangor/Keypert Foremain Project - 1.42%

[** The estimated total project costs include costs prior and after the 2023 to 2028 time frame.



Kitsap County Sewer Utility Division

Proposed Capital Facility Plan (2023-2028) Project Locations

