

RESOLUTION NUMBER 200-2019
Kitsap County Public Works Sewer Utility
Six-Year Capital Facilities Plan 2020-2025

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 six-year capital facilities plan for financing municipal sanitary sewer system improvements for the period of January 1, 2020 through December 31, 2025 and,


WHEREAS, in further compliance with said RCW, the Board of Kitsap County Commissioners has held a public hearing this 25th day of November 2019,

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 four pages, which are incorporated and made part of this Resolution.

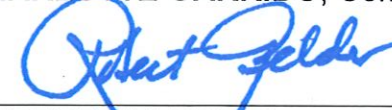
BE IT FURTHER RESOLVED, that, pursuant to RCW 36.70A.130(2)(a)(iv) and KCC 21.08.040, the Board of County Commissioners hereby incorporates portions of the Sewer Utility Six-Year Capital Facilities Plan into the Kitsap County Comprehensive Plan, Capital Facilities Plan. This incorporation by reference replaces and updates the Kitsap County Sanitary Sewer section, specifically the subsection entitled "Capital Facilities Projects and Financing: 2019-2024." 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 25 day of NOVEMBER, 2019.

BOARD OF COUNTY COMMISSIONERS
KITSAP COUNTY, WASHINGTON


EDWARD E. WOLFE, Chair


CHARLOTTE GARRIDO, Commissioner


ROBERT GELDER, Commissioner



ATTEST:


Dana Daniels
Clerk of the Board

Kitsap County Sewer Utility 6-Year Capital Facility Plan (CFP) 2020-2025

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

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 B. Outdated Infrastructure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

Table SS.3-1. Capital Facilities Projects and Financing 2020-2025

CFP #	Project #	Project Identification & Scope	Project Type	Project Purpose(s)	Project Component	Project Phase	Annual Budget						
							2020	2021	2022	2023	2024	2025	6-Year CFP Total
1	4102007	<u>KTP Water Reclamation and Reuse</u> The project would upgrade the Kingston Treatment Plant from secondary to tertiary treatment to provide reclaimed water for irrigation use. Joint project with Suquamish Tribe	T	C	Tertiary treatment facilities	Eng.	\$ 50,000	\$ 1,000,000	\$ 1,000,000				
						Const.			\$ 3,000,000	\$ 2,500,000			
						Total	\$ 50,000	\$ 1,000,000	\$ 1,000,000	\$ 3,000,000	\$ 2,500,000		\$ 7,550,000
2	4102009	<u>KTP Oxidation Ditch Upgrades</u> The project would upgrade the secondary treatment processes to replace outdated equipment and improve nutrient removal.	T	B, C, & D	Replace brushes in the oxidation ditch with mixers and air diffusers; influent screening	Eng.							
						Const.	\$ 2,400,000						
						Total	\$ 2,400,000						\$ 2,400,000
3	4101060	<u>CKTP Nutrient Process Upgrades</u> CKTP Facility Plan upgrade will have an early out for nitrogen managemet Proportionate share from Poulsbo and Keyport USN *	T	C & D	Secondary treatment process	Eng.	\$ 100,000						
						Const.							
						Total	\$ 100,000						\$ 100,000
4	4101042	<u>CKTP Staff Trailers Replacement</u> Replace two staff trailers at CKTP with facilities in compliance with current building codes Proportionate share from Poulsbo and Keyport USN *	T	A, B, & D	Three staff trailers	Eng.							
						Const.	\$ 900,000						
						Total	\$ 900,000						\$ 900,000
5	4101037	<u>PS 3, and Old Town Gravity Sewer Upgrade</u> Replacement of existing PS with new Facility, in conjunction with Port of Silverdale. Replacement of gravity sewers between Silverdale Way and waterfront park.	C/C	A, B, & D	Pump station structures, pumps, drives, motors, instrumentation controls, electrical, and gravity sewer piping	Eng.		\$ 500,000	\$ 650,000				
						Const.				\$ 2,700,000	\$ 2,850,000		
						Total		\$ 500,000	\$ 650,000	\$ 2,700,000	\$ 2,850,000		\$ 6,700,000
6	4101043	<u>PS4 and Fredrickson Rd Gravity Sewer Upgrade</u> Expansion of existing PS and upsizing of gravity sewers on Fredrickson Rd.	C/C	A, B, & D	Pump station structures, pumps, motors, electrical, instrumentation controls, and piping	Eng.	\$ 500,000	\$ 950,000					
						Const.			\$ 2,300,000	\$ 3,000,000	\$ 1,650,000		
						Total	\$ 500,000	\$ 950,000	\$ 2,300,000	\$ 3,000,000	\$ 1,650,000		\$ 8,400,000

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							2020	2021	2022	2023	2024	2025	6-Year CFP Total
7	4101036	<u>Lemolo Shores Pipeline Upgrade</u> The project is to replace the existing forcemain with a new upsized pipe for capacity and replace outdated material. Proportionate share from Poulsbo *	C/C	A & B	4,500 LF of 18-inch pipe	Eng.			\$ 408,000				
						Const.			\$ 2,550,000	\$ 612,000			
						Total			\$ 408,000	\$ 2,550,000	\$ 612,000		\$ 3,570,000
8	4101050	<u>Third Lemolo Siphon</u> The project will construct a third siphon under Liberty Bay. City of Poulsbo will conduct pre-design and permitting effort. Proportionate share from Poulsbo *	C/C	A	Piping to provide sufficient capacity	Eng.			\$ 102,000	\$ 408,000			
						Const.				\$ 4,080,000	\$ 4,080,000		
						Total			\$ 102,000	\$ 408,000	\$ 4,080,000	\$ 4,080,000	\$ 8,670,000
9	4101029	<u>Bay Shore Drive Gravity Pipe Upgrade</u> The project is to replace and upsized the existing outdated gravity pipe along Bay Shore Dr. and Washington Ave. in Silverdale \$1.25M in REET2 funding Joint project with Roads & Stormwater Divisions	C/C	A & B	2,800 LF of 12-inch sewer pipe, stormwater conveyance, roadway improvements	Eng.							
						Const.	\$ 3,250,000	\$ 1,000,000	\$ 235,000				
						Total	\$ 3,250,000	\$ 1,000,000	\$ 235,000				\$ 4,485,000
10	4101045	<u>Old Military Rd. Piping Upgrades</u> Replacing existing sewer on Old Military Road from Foster Road to Waaga Way to increase capacity.	C/C	A & B	Approximately 7,780 lineal feet of 30" gravity and forcemain pipe	Eng.	\$ 1,150,000						
						Const.		\$ 2,775,000	\$ 2,775,000				
						Total	\$ 1,150,000	\$ 2,775,000	\$ 2,775,000				\$ 6,700,000
11	4101059	<u>PS 19 and PS 31 Upgrades</u> Replacement of existing pump stations	C/C	A & B	Pump station structures, pumps, motors, electrical, instrumentation and controls, and piping	Eng.	\$ 1,000,000						
						Const.		\$ 4,900,000					
						Total	\$ 1,000,000	\$ 4,900,000					\$ 5,900,000
12	4101049	<u>PS 36 Upgrades</u> Replace outdated pump station equipment and increase capacity in vicinity south of Fairgrounds Rd. between Old Military Rd. and Central Valley Rd.	C/C	A & B	Pump station structures, pumps, motors, electrical, instrumentation and controls, and piping	Eng.	\$ 250,000						
						Const.		\$ 1,700,000					
						Total	\$ 250,000	\$ 1,700,000					\$ 1,950,000
13	4101054	<u>PS 10 Improvements</u> Replace outdated pump station equipment and increase capacity for the Meadowdale West area.	C/C	A & B	Pump station structures, pumps, motors, electrical, instrumentation and controls, and piping	Eng.				\$ 350,000			
						Const.					\$ 1,600,000		
						Total				\$ 350,000	\$ 1,600,000	\$ 1,950,000	

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							2020	2021	2022	2023	2024	2025	6-Year CFP Total
14	4101056	Bangor/Keyport Forcemain Replacement Design and construction of preferred alternative for replacement of sewer between Bangor Base and CKTP, due to H2S deterioration Proportionate share from Poulsbo and Keyport USN *	C/C	B	Replacement of sewer conveyance along SR308 and Brownsville Hwy, including manholes and appurtenances	Eng.	\$ 1,000,000	\$ 750,000					
						Const.			\$ 7,500,000	\$ 12,500,000			
						Total	\$ 1,000,000	\$ 750,000	\$ 7,500,000	\$ 12,500,000			\$ 21,750,000
Totals							\$ 10,600,000	\$ 13,575,000	\$ 14,970,000	\$ 24,158,000	\$ 12,042,000	\$ 5,680,000	\$ 81,025,000

Summary: Costs and Revenues

Costs:							
Capacity Projects	\$ 7,050,000	\$ 11,825,000	\$ 6,470,000	\$ 8,658,000	\$ 9,542,000	\$ 5,680,000	\$ 49,225,000
Non-capacity Projects	\$ 3,550,000	\$ 1,750,000	\$ 8,500,000	\$ 15,500,000	\$ 2,500,000	\$ -	\$ 31,800,000
Total Project Costs	\$ 10,600,000	\$ 13,575,000	\$ 14,970,000	\$ 24,158,000	\$ 12,042,000	\$ 5,680,000	\$ 81,025,000
Revenues:							
Sewer Revenue Bonds	\$ -	\$ -	\$ 14,947,500	\$ 5,052,500	\$ -	\$ -	\$ 20,000,000
Real Estate Excise Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City of Poulsbo Proportionate Share	\$ 1,258,905	\$ 178,879	\$ -	\$ -	\$ 3,344,000	\$ 3,570,000	\$ 8,351,784
USN Keyport Proportionate Share	\$ 275,023	\$ 66,963	\$ 22,500	\$ 225,000	\$ 375,000	\$ -	\$ 964,486
Sewer Fees	\$ 9,066,072	\$ 13,329,158	\$ -	\$ 18,880,500	\$ 8,323,000	\$ 2,110,000	\$ 51,708,730
Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0

* The City of Poulsbo will pay a proportionate share of the cost of the following projects in accordance with the sewer service contact with Kitsap County
 CKTP Projects - 15.8%
 Lemolo Shores and Lemolo Siphon - 100.0%
 Bangor/Keyport Forcemain Project - 45.6%

The Keyport USN Base 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/Keyport Forcemain Project - 9%

Kitsap County Sewer Utility Division

Proposed Capital Facility Plan (2020-2025) Project Locations

