



Clallam PUD #1
Water Rate Cost of Service Study
 Capital Improvement Program

Project Costs in Year:		2022																				Total																				
Water System	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042																					
Port Angeles Composite																						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fairview	Rehab Pipeline from Morse Creek Dam to WTP	-	-	-	-	-	-	-	-	-	-	100,000	300,000	600,000	-	-	-	-	-	-	-	\$ 1,000,000																				
Fairview	8-inch pipe on Bluff Dr. and Juan de Fuca Way	-	-	-	-	-	-	-	-	1,380,000	-	-	-	-	-	-	-	-	-	-	-	\$ 1,380,000																				
Fairview	Emergency Generators--Bluffs Wells, DPR boosters, MCWTP	-	-	-	-	162,000	162,000	162,000	162,000	216,000	216,000	-	-	-	-	-	-	-	-	-	-	\$ 1,080,000																				
Fairview	Township Line Reservoir Fall Safety Upgrade	33,732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 33,732																				
Fairview	Township Line Reservoir Rehab	-	-	-	-	-	-	-	80,000	320,000	-	-	-	-	-	-	-	-	-	-	-	\$ 400,000																				
Fairview	Bluff Replacement Well Pump/Motor Replacements	-	-	-	-	-	-	-	-	-	50,000	-	-	-	-	-	-	-	-	-	50,000	\$ 100,000																				
Fairview	WSDOT Culvert Replacement--Siebert Ck. Main Relocation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -																				
Fairview	WSDOT Culvert Replacement--Bagley Ck. Main Relocation	51,751	80,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 131,751																				
Gales Addition	New Transmission Line to Gales Addition Reservoir	-	252,140	756,420	1,512,840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 2,521,400																				
Gales Addition	Purchase/Upgrade Morse Creek Dam Diversion Facilities	-	-	-	-	200,000	300,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 500,000																				
Gales Addition	Replace Gales Addition Reservoir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600,000	2,400,000	-	-	-	-	\$ 3,000,000																				
Gales Addition	WSDOT Culvert Replacement--Lee's Ck. Main Relocation	30,000	194,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 224,000																				
Gales Addition	WSDOT Culvert Replacement--Ennis Ck. Main Relocation	2,000	8,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 10,000																				
Gales Addition	Mt. Pleasant Est. Emergency Generator	-	45,000	105,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 150,000																				
Monroe (LUD 2)	LUD 2 Reservoir Rehab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,000	104,000	-	\$ 130,000																				
Monroe (LUD 2)	LUD 2 Pump Station Rehab/modular	-	-	-	-	-	-	-	-	-	200,000	-	-	-	-	-	-	-	-	-	-	\$ 200,000																				
Mt. Angeles (LUD 3)	Relocate Lower LUD 3 Pump Station	-	-	1,011,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,011,000																				
Mt. Angeles (LUD 3)	Raise Upper LUD3 Reservoir	-	-	-	-	-	-	200,000	800,000	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,000,000																				
Mt. Angeles (LUD 3)	LUD 3 Upper Pump Station Rehab/modular	-	-	-	-	-	-	-	-	-	-	300,000	-	-	-	-	-	-	-	-	-	\$ 300,000																				
Evergreen																						\$ -																				
	Holgerson Upgrade	-	-	-	-	381,000	1,665,000	210,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 2,256,000																				
	8-inch Pipe on 7th Avenue	353,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 353,000																				
	8-inch Pipe on Fox Hollow Road	-	-	-	-	32,200	96,600	193,200	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 322,000																				
	New Evergreen Reservoir	-	411,806	-	-	-	-	556,000	2,224,000	-	-	-	-	-	-	-	-	-	-	-	-	\$ 3,191,806																				
Clallam Bay/Sekiu																						\$ -																				
	Hoko-Ozette to Eagle Pt Pipe Replacement	-	-	-	62,100	351,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 414,000																				
	Emergency Bypass Replacement	1,486,557	2,373,113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 3,859,670																				
	Hoko Well Field Suction Manifold Replacement	-	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 100,000																				
	Main Replacements: Sekiu, SR 112, Clallam Bay	3,422,241	615,663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 4,037,904																				
	Sekiu Reservoir Siting and Replacement/Reconfig	-	-	-	256,500	833,625	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,090,125																				
	Clallam Bay Reservoir Recoating	-	-	-	-	250,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 250,000																				
	New Source in Clallam Bay	-	-	-	-	-	-	50,000	100,000	150,000	200,000	-	-	-	-	-	-	-	-	-	-	\$ 500,000																				
	WSDOT Culvert Replacement--Hwy 112 at 8th St Main Relocation	-	-	50,000	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 150,000																				
	Hoko Pump Station Safety Upgrades	30,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 30,000																				
	Hoko Pump Station Flood Resiliency Study	-	-	-	-	-	-	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 50,000																				
Carlsborg																						\$ -																				
	New Water Source, Transmission Line, Blend System + VL	914,597	2,248,294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 3,162,890																				
	New Carlsborg Reservoir	-	-	-	-	-	-	-	-	-	-	-	-	1,875,000	-	-	-	-	-	-	-	\$ 1,875,000																				
	Develop 2nd VL Well--12-in	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000,000	-	-	-	-	-	-	\$ 1,000,000																				
All Water Systems	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	\$																				
	Distribution System Replacement and Capacity Improvements	-	-	-	-	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	1,223,053	\$ 19,568,855																				
	AC Distribution System Replacement	-	-	-	-	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	727,386	\$ 11,638,168																				
	Water System Plan Update	-	-	-	130,000	-	-	-	-	-	-	-	-	-	130,000	-	-	-	-	-	-	\$ 260,000																				
	AMI Meter Replacement	-	-	-	110,000	330,000	660,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,100,000																				
	Truck/Excavator+Trailer Replacement	50,000	-	225,000	-	-	-	191,250	-	85,000	-	85,000	-	85,000	-	85,000	-	85,000	-	85,000	-	\$ 976,250																				
	Structure and Site Rehab	10,000	10,000	-	20,000	-	20,000	-	20,000	-	20,000	-	20,000	-	20,000	-	20,000	-	20,000	-	20,000	\$ 200,000																				
	Capital Item Purchases (Meters, Capital Tools, etc.)	92,211	75,000	75,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	\$ 1,177,211																				
	Transmission and Distribution (Main replacement/rehab <500 LF)	132,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	\$ 2,412,000																				
	Customer Requested Labor (New Services, Main Extensions)	85,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	47,160	\$ 981,200																				
	Customer Requested Materials (New Services, Main Extensions)	95,000	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	52,160	\$ 1,086,040																				
	Service Capital Projects (Service Rehab/Replacement)	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$ 950,000																				
	Pumping Upgrades (Pumping Equipment, Mechanical & SCADA)	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$ 950,000																				
	Safety Upgrades (Safety and Code Compliance)	-	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	9,999	\$ 189,981																				
	Treatment Upgrades (Process, Instrumentation, etc.)	-	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	\$ 570,000																				
	Total Capital Projects	6,790,272	6,774,359	2,583,764	2,607,785	4,907,510	5,270,386	3,979,237	5,752,788	4,517,789	3,052,790	2,851,791	2,686,792	4,926,793	3,516,794	3,051,795	4,786,796	2,451,797	2,412,798	2,555,799	2,436,800	\$																				