OASIS Program (Details)

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a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
			Budget by Year											
x	5106604	Oasis Phase I	$ 3,886	$ 328	$ 590	$ 861	$ 110	$ 20	$ -	$ -	$ -	$ -	$ -	
		Phase I - Monitoring	$ 3,886	110	110	125								
		Phase 1 - Well Construction												
		AV 1												
		ASR1 (W32)		200	450	650								
		Phase I - Computer Modeling		7	15	23	100							
		Phase I - ASR Testing			4	47								
		Phase I - SEPA					10	20						
		Phase I - Report		8	8	8								
		Phase I - Other		3	3	8								
x	51xxx	Oasis Phase II	$ 3	$ -	$ -	$ -	$ 800	$ 350	$ 800	$ 750	$ 750	$ 750	$ 750	
	5100036	Oasis Phase II - Undefined	$ 3				350	350	350	750	750	750	750	
		Monitoring, Well Construction for ASR 2 and 3,, Ph II Testing, Ph II SEPA, Ph II Report	$ -				450		450					
x	51xxx	Oasis Transmission Main (OASIS Ph II)	$ 69	$ -	$ -	$ -	$ -	$ -	$ 2,660	$ 3,500	$ 1,140	$ -	$ -	(1)
	5100014	WM-1st Ave S: 316th to BPA (OASIS Ph II)	$ -						2,500	2,500	140			
	5100040	OASIS-538 to 578 Pressure Zone (OASIS Ph II)	$ -						160	1,000	1,000			
	5100003	OASIS-538 to 578 Pressure Zone	$ 69											
x	5106605	Oasis Property (for future phases)	$ -	$ -	$ 3,000	$ -	$ -	$ -	$ -	$ -	$ 1,250	$ 5,000	$ -	(1)
		OASIS Property - Fire Station	$ -		3,000									
		OASIS Property -French Lake Park	$ -								1,250			
		OASIS Property -NE Corner of 1st and 320th	$ -									5,000		
			$ -											

OASIS Program (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	3,958	328	3,590	861	910	370	3,460	4,250	3,140	5,750	750
Water	3,958	328	3,590	861	910	370	3,460	4,250	3,140	5,750	750
Wastewater	-	-	-	-	-	-	-	-	-	-	-

(1) Part of this project may be partially funded by others in

RWSS Program (Details)

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a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
			Budget by Year											
x	5102214	Balance of Second Supply Project	$ 26,643	$ 500	$ 1,900	$ 250	$ 250	$ 250	$ 250	$ 250	$ 250	$ 250	$ 250	
		Pre-2019 + 2020 Cost Estimates	$ 26,643						-					
		LUD's SSP CIPs Costs (from Approved RWSS Capital Budget 10/8/21)												
		Major Water Treatment Equipment		$ 14										
		Watershed Betterment		$ 8										
		RWSS Watershed Tool and Equipment		$ 8										
		Security Gates and Cameras		$ -										
		HHD Additional Storage Project		$ 6										
		Fleet Additions and Replacements		$ 6										
		North Fork Wells Replacement & Renewal		$ 19										
		North Fork Wells Control Valves		$ -										
		North Fork Wells PFC Capacitors		$ 4										
		Fish Transfer Hoppers Upgrade		$ 19										
		RWSS VHF		$ -										
		RWSS P5 Move Advance Payment		$ 286	$ 1,700									
		HCP Culvert Replacement												
		MIT Fish Restoration Facility												
		Friends of the Green Agreement												
		North Fork Wells Switch Gears												
		North Fork Well 7 Motor												
		sum												
		Other Costs (est by LUD)		$ 129	$ 200	$ 250	$ 250	$ 250	$ 250	$ 250	$ 250	$ 250	$ 250	

RWSS Program (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	26,643	500	1,900	250	250	250	250	250	250	250	250
Water	26,643	500	1,900	250	250	250	250	250	250	250	250
Wastewater	-	-	-	-	-	-	-	-	-	-	-

Water Upgrades - Others (Details)

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a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
			Budget by Year											
x	5100090	Military (Ext) & SeaTac (Int) Tank Recoating	$ 408	$ 1,700										
x	5100030	Water Telemetry Design & Upgrade	$ 161	$ 100	$ 100	$ 100	$ 100	$ 100						
x	51xxx	Low Pressure Zone Study	$ -	$ 125	$ 125									
x	51xxx	337th St Booster Electrical Service Upgrade	$ -	$ 50	$ 125									
x	51xxx	Water System Plan - 2025	$ -	$ -	$ -	$ -	$ 250	$ 250						
x	Program	Water Upgrades - Others	$ 188	$ 590	$ 1,625	$ 1,040	$ 1,040	$ 1,070	$ 820	$ 820	$ 820	$ 820	$ 820	
	5100077	Well 7 Pump and Motor Replacement	$ 65	$ -										
	5100091	Well Facility Hatch Replacements (7, 16, & 18)	$ 15	$ -										
	51xxx	Highline Intertie # 3 Improvements	$ -	$ 35										
	51xxx	312th St. Booster Piping/Meter Upgrade/Access	$ -	$ 40	$ 120									
	51xxx	Well 33 Pump Controls	$ -	$ 15	$ 185									
	51xxx	Well Pump/Motor Electrical Upgrades	$ -	$ 130	$ 450									
	51xxx	Highline Intertie - Supply Agreement	$ -	$ 25	$ 25									(8)
	51xxx	Pacific Intertie - Pacific/Algona Supply Agreement	$ -	$ 25	$ 25									(8)
	5107555	Well 10C Treatment	$ 7	$ -	$ -	$ 250	$ 250							
	51xxx	Portable Booster Pump Station	$ -					$ 250						
	51xxx	SSP-Secondary Flow Control Facility	$ -											(4)
	51xxx	Water Site Equipment Documentation	$ -											(4)
	5100061	Chlorine Disinfection Equipment Replacement	$ 102	$ 20	$ 20	$ 20	$ 20	$ 20	$ 20	$ 20	$ 20	$ 20	$ 20	
	51xxx	Tank Recoatings	$ -	$ 100	$ 600	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500	
	51xxx	PRV Station Upgrades	$ -	$ 100	$ 100	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	
	51xxx	Well Pump/Motor Upgrades - Undefined	$ -	$ 50	$ 50	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	
	51xxx	Well Facility Upgrade - Undefined	$ -	$ 50	$ 50	$ 120	$ 120	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	
		Others	$ -											

Water Upgrades - Others (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	**756**	**2,565**	**1,975**	**1,140**	**1,390**	**1,420**	**820**	**820**	**820**	**820**	**820**
Water	**756**	**2,565**	**1,975**	**1,140**	**1,390**	**1,420**	**820**	**820**	**820**	**820**	**820**
Wastewater	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(4) Unscheduled

(8) Funded for negotiations - Actual costs are dependent on contract negotiations

Water Main Distribution Program (Details)

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a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
			Budget by Year											
x	5100080	AMR Implementation Program	$ 2,926	$ 1,800	$ 1,800	$ 1,625	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
x	5101015	Meter Install New/Replacement	$ 4,654	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	$ 300	
x	5101010	Service Connection Replacement Program	$ 9,684	$ 550	$ 550	$ 550	$ 350	$ 350	$ 350	$ 350	$ 350	$ 350	$ 350	
x	5100066	WMI - S 272nd St & 8th Ave S and Vicinity	$ 2,793	$ 200										
x	5100059	WM - 57th Ave. S. (358th to 362nd) and Vicinity	$ 68	$ -	$ -	$ 30	$ 800							
x	5100078	WMI- SW 303rd/2nd Ave SW and Vicinity	$ 374	$ 2,800										
x	5100052	WM-S 331st (51st to 56th)	$ 65	$ -	$ -	$ 1,500								
x	Program	WM - Distribution Improvements	$ 54	$ 565	$ 375	$ 665	$ 2,000	$ 2,500	$ 2,500	$ 3,000	$ 3,000	$ 3,000	$ 3,000	
	5100089	Water Hydraulic Model Software	$ 36											
	51xxx	Hydraulic Model Update and Calibration	$ -	$ 250										
	51xxx	Cube Launch / Retrieval Stations	$ -											
	51xxx	WMI-12th Ave S/ S 268 St (270th to 13th Ave S)	$ -		$ 60	$ 350								
	5101014	Oversizing - Water	$ 17	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	
	5101009	Water Franchises and Easements	$ -	$ 15	$ 15	$ 15	$ 15	$ 15	$ 15	$ 15	$ 15	$ 15	$ 15	
	51xxx	WM- Undefined Improvements	$ -	$ 250	$ 250	$ 250	$ 1,935	$ 2,435	$ 2,435	$ 2,935	$ 2,935	$ 2,935	$ 2,935	
		Other	$ -											

Potential Improvement Areas (included as "Undefined"):

WMI- Camelot Area (S 290 to 294 from 41st to 45th)
WMI-Soundcrest Area (S 312 to 320th from 8th to 13th)
WMR- 351st & Pac hwy S
WMI - 288th & 51th S and Vincinity

Water Main Distribution Program (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	**20,617**	**6,215**	**3,025**	**4,670**	**3,450**	**3,150**	**3,150**	**3,650**	**3,650**	**3,650**	**3,650**
Water	**20,617**	**6,215**	**3,025**	**4,670**	**3,450**	**3,150**	**3,150**	**3,650**	**3,650**	**3,650**	**3,650**
Wastewater	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Lakota Upgrades - Other (Details)

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a	#	Project Name	Budget by Year Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
x	5200009	Lakota Solids System Improvements	$ 6,522	$ 6,228	$ 12,400	$ 1,000	$ 9,550	$ 9,600	$ 7,800	$ 16,000	$ 14,800			
x	5200210	Lakota Liquid Stream Improvements	$ 8,135	$ 1,000										(6)
x	5200260	Lakota PC Scum System Upgrade/Drive Replacements	$ 210	$ 2,013	$ 978									
x	5200234	Lakota Existing Generator Replacement	$ 1,685	$ 100										
x	5200249	Lakota PLC Processor Upgrade	$ 365	$ 150	$ 150			$ 750	$ 750					
x	52xxx	Lakota Electrical Service and Generator Upgrade	$ -	$ 600	$ 500	$ 1,000	$ 12,100	$ 12,100						
x	52xxx	Lakota Odor Study/Odor System Replacement	$ -					$ 1,750	$ 2,000	$ 2,000	$ 2,000			
x	Program	Lakota Upgrades - Other	$ 1,854	$ 1,760	$ 1,150	$ 1,150	$ 650	$ 800	$ 950	$ 1,200	$ 1,000	$ 1,000	$ 1,000	
	5200199	Lakota O&M Manual Update (Ph II)	$ 327											(6)
	5200228	Lakota Primary Clarifier Drive Replacements (2)	$ 362											
	5200240	Lakota Air Compressor AC-292 Replacement	$ 8											
	5200244	Lakota OCS Recirc Pump Replacement (EF-201)	$ 42											
	5200247	Lakota Primary Clarifier Drive Replacement (201)	$ 25											
	5200250	Lakota Dewatering Hoppers (2)	$ 12											
	5200252	Lakota Density Meter	$ 23											
	5200251	Lakota Digester Transfer Pump Replacements (2)	$ 90											
	5200255	Lakota Basin Drain Pump (P-282) Replacement	$ 9											
	5200262	Lakota Headworks Lighting Upgrade	$ 14											
	5200263	Lakota OCS Fan Replacement (EF-201)	$ 85											
	5200264	Lakota Control Panel Touchscreeen - Spares (2)	$ 16											
	5200265	Lakota OC Recirc Pump Replacement (259A)	$ 17											
	5200266	Lakota Digester Roof Replacement	$ 50	$ 1,050										
	52xxx	Lakota SC Flow Control Gates Replacement (6)	$ -	$ 100										
	52xxx	Lakota Influent & Effluent Amonia Analyzers	$ -	$ 75										
	5200253	Lakota Switchboard 240 & 270 Breaker Replacements	$ 703	$ 175										
	52xxx	Lakota Co-Thickening System Evaluation	$ 70	$ 40										
	52xxx	Lakota Lab Autoclave and Incubator Replacements	$ -	$ 20										
	52xxx	Lakota Plant Condition Assessment and UMS Tool	$ -		$ 200	$ 300								
	52xxx	Lakota Plant Water System Improvements	$ -	$ 50	$ 450									
	52xxx	Lakota Aeration System Diffusers Replacement	$ -			$ 350	$ 150	$ 100						
	52xxx	Lakota New BNR	$ -					$ 200	$ 200	$ 200				(3)
	Program	Lakota Plant Upgrades - Undefined	$ -	$ 250	$ 500	$ 500	$ 500	$ 500	$ 750	$ 1,000	$ 1,000	$ 1,000	$ 1,000	
		Other	$ -											
		Potential Lakota Projects (included as "Undefined"):												
	52xxx	Lakota Digester Control Room HVAC Upgrade	$ -	$ 125										
	52xxx	Lakota Creek Fish Ladder Repair	$ -			$ 500	$ 500							
	52xxx	Lakota Storm Study	$ -			$ 360								
	52xxx	Lakota Headworks/DAFT Building Ventilation Upgrade	$ -					$ 500	$ 500	$ 500				
	52xxx	Lakota Septage Receiving Pump/Grinder Upgrades	$ -							$ 100				
	52xxx	Lakota Sludge Screen Relocation	$ -							$ 200				
	52xxx	Lakota New Disc Filters for Effluent	$ -							$ 500	$ 1,000	$ 1,700		
	52xxx	Lakota Replace and Upgrade Vactor Decant	$ -								$ 100			
	52xxx	Lakota Outfall Upgrade	$ -											(4)
	52xxx	Lakota Retofit Anoxic Selector Zone	$ -											(4)
	52xxx	Lakota Maintenance Building HVAC Upgrade	$ -	$ 150	$ 600									
				$ 275	$ 600	$ 860	$ 500	$ 500	$ 500	$ 1,300	$ 1,100	$ 1,700	$ -	

Lakota Upgrades - Other (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	18,771	**11,851**	**15,178**	**3,150**	**22,300**	**25,000**	**11,500**	**19,200**	**17,800**	**1,000**	**1,000**
Water	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Wastewater	18,771	**11,851**	**15,178**	**3,150**	**22,300**	**25,000**	**11,500**	**19,200**	**17,800**	**1,000**	**1,000**

(3) The timing of Biological Nutrient Removal (BNR) is still an unknown, but estimated beyond 2030 ($40M for Lakota, in 2015 dollars). Initial study included.
(4) Unscheduled
(6) Projects associated with 2017 Agreement with PSA.

Redondo Upgrades - Others (Details)

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a	#	Project Name	Budget by Year Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
x	5200185	Redondo Electrical & West Odor Upgrades	$ 1,017	$ 1,200	$ 5,000	$ 10,000	$ 5,000							
x	5200165	Redondo UV/Filtration System Upgrade	$ 7,095	$ 200										
x	5200233	Redondo Existing Generator Replacement	$ 1,114	$ 100										
x	52xxx	Redondo East Odor Control Improvements	$ -						$ 1,000	$ 5,000				
x	Program	Redondo Plant Upgrades - Undefined	$ 291	$ 655	$ 1,425	$ 1,485	$ 1,360	$ 700	$ 1,750	$ 1,200	$ 3,400	$ 3,400	$ 2,900	
	5200200	Redondo O&M Manual Update (Ph II)	$ 190											
	5200248	Redondo Mixing Zone Study	$ 41											
	5200256	Redondo E Odor Pump (301/302) Replacements (2)	$ 20											
	5200257	Redondo Sludge/Grinder Pump (SG 102/SG 503) Replaceme	$ 22											
	5200258	Redondo Filtrate Pump (401/402) Replacements (2)	$ 18											
	52xxx	Redondo Influent Flow Control Gates Replacement	$ -	$ 90										
	52xxx	Redondo Primary/Secondary Pump Replacements (8)	$ -	$ 100	$ 100									
	52xxx	Redondo Plant Water System Improvements	$ -	$ 50	$ 250									
	52xxx	Redondo Instumentation and Control System Replacement	$ -	$ 15	$ 75	$ 75		$ 100	$ 350					
	52xxx	Redondo BioTower Safety Improvements	$ -	$ 200										
	52xxx	Redondo Heating System Upgrades	$ -		$ 450	$ 400								
	52xxx	Redondo Plant Condition Assessment and UMS Tool	$ -		$ 150	$ 150								
	52xxx	Redondo PC #1 and #2 Sludge Collector Replacement	$ -		$ 100	$ 460	$ 460							
	52xxx	Redondo Digester Cleaning	$ -				$ 500					$ 500		
	52xxx	Redondo Control Building (Adm)/UV Roof Replacement	$ -					$ 200	$ 1,000					
	52xxx	Redondo Headworks Upgrade and MBR Conversion	$ -							$ 800	$ 3,000	$ 2,500	$ 2,500	(3)
	Program	Redondo Plant Upgrades - Undefined	$ -	$ 200	$ 300	$ 400	$ 400	$ 400	$ 400	$ 400	$ 400	$ 400	$ 400	
		Other	$ -											
		Potential Redondo Projects (included as "Undefined"):												
	52xxx	Redondo Waste Gas Flame and Pipe Replacement	$ -	$ 50	$ 150									
	52xxx	Redondo Headworks & Admin Make Up Unit Replacement	$ -	$ 100	$ 200									
	52xxx	Redondo Biotower Improvements	$ -		$ 100	$ 500	$ 500	$ 400						
	52xxx	Redondo SC #1 and #2 Sludge Collector Replacements	$ -		$ 100	$ 400	$ 400							
	52xxx	Redondo Storm Study	$ -		$ 60									
	52xxx	Redondo Add Air Release Vents to Outfall	$ -								$ 200			
	52xxx	Redondo Roto Disk Thickener	$ -											(5)
				$ 150	$ 610	$ 900	$ 900	$ 400	$ -	$ -	$ 200	$ -	$ -	

Redondo Upgrades - Others (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	9,517	2,155	6,425	11,485	6,360	700	2,750	6,200	3,400	3,400	2,900
Water	-	-	-	-	-	-	-	-	-	-	-
Wastewater	9,517	2,155	6,425	11,485	6,360	700	2,750	6,200	3,400	3,400	2,900

(3) Currently only showing Headworks Ph I cost, remaining cost for Ph II and Membrane Bio-Reactors (MBR) is estimated beyond 2030 (~$40M in 2015 dollars)
(5) May not be needed with filtration.

Pump Station Upgrades - Other (Details)

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a	#	Project Name	Budget by Year Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
x	5204401	Pump Station 33 Upsize & Force Main Reroute	$ 6,589	$ 4,131	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -	
x	5200094	Pump Station Telemetry System Upgrade	$ 40	$ 215	$ 300	$ 300	$ 200	$ 200	$ -	$ -	$ -		$ -	
x	52xxx	Pump Station 12 - Service Gear ATS Install	$ -	$ 100	$ 250	$ -	$ -	$ -	$ -	$ -	$ -		$ -	
x	Program	Pump Station Upgrades - Other	$ 176	$ 200	$ 250	$ 300	$ 300	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	
	5200209	Pump Station 10 VFD CP Replacement	$ 176											
	52xxx	Pump Station Electrical Upgrades	$ -	$ 150	$ 200	$ 200	$ 200							
	52xxx	Pump Station 13 - Replacement	$ -			$ 85								
	Program	Pump Station - Undefined Upgrades	$ -	$ 50	$ 50	$ 15	$ 100	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	
		Others	$ -											
		Potential Pump Station Projects (included as "Undefined"):												
		Station 22 Wet Well Rehabilitation												
		Pump Stations 12 and 35 Reconfiguration												
		Potential "Other" As Required by Development												
	5203367	Pump Station 44 - South End Diversion	$ 116											(7)
		Jovita Heights Pump Station												
		Pump Station 12 Upgrade												
		Pump Station 41 Upgrade												
		Pump Station 43 Upgrade												

Pump Station Upgrades - Other (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	6,804	4,646	800	600	500	350	150	150	150	150	150
Water	-	-	-	-	-	-	-	-	-	-	-
Wastewater	6,804	4,646	800	600	500	350	150	150	150	150	150

(7) Dependant on Development

Sewer Main Collection Program (Details)

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a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
			Budget by Year											
x	5200238	SM- PS 5-A2 Rehabilitation Area (I&I Ph 3)	$ 2,752	$ 100										
x	5200261	SM- PS 5-A2 Rehabilitation Area (I&I Ph 4)	$ 750	$ 250										
x	52xxx	SM- Basin Diversion Main (Red to Lak)	$ 400	$ 1,000	$ 2,400	$ 1,600								
x	52xxx	Wastewater System Plan - 2023	$ -	$ 400	$ 350									
x	5200056	SM-FW Downtown Trunk Upgrade	$ 2,851			$ 250	$ 2,000	$ 2,600						
x	Program	SM-Collection Improvements	$ 4,611	$ 735	$ 925	$ 1,885	$ 550	$ 550	$ 3,250	$ 3,050	$ 3,050	$ 3,050	$ 3,050	
	5200246	CCTV Software Update	$ 40											
	5200239	SM-Force Main Evaluations/Repair	$ 128											
	5205598	I & I Study	$ 3,075	$ 5										
	5200259	WWSP Update and Nutrient Evaluation	$ 240	$ 310										
	52xxx	Pierce County Sewer Service Area Transfer	$ -	$ 25	$ 25									(8)
	52xxx	Redondo Sipon Rehabilitation	$ -		$ 375									(8)
	52xxx	Pump Station 11 Force Main Replacement	$ -			$ 1,335								(8)
	52xxx	Dash Point siphon Replacement	$ -						$ 2,700					(8)
	5201013	Oversizing - Sewer	$ 1,128	$ 25	$ 25	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50	
	Program	SM-Rehabilitation - Undefined	$ -	$ 370	$ 500	$ 500	$ 500	$ 500	$ 500	$ 3,000	$ 3,000	$ 3,000	$ 3,000	
		Other	$ -											

Potential Rehab Areas (included as "Undefined"):

SM-Redondo PS 6-B SubBasin (Area A)
SM-Redondo PS 6-A1 SubBasin (Area A)
SM-Redondo MVD-2 SubBasin (Area A)
SM-Redondo PS 6-A2 SubBasin (Area A)
SM-Redondo Steel Lake B2 SubBasin (Area A)
SM-S. 288th St: 21st Ave S to 18th Ave S Sewer Upgrade
Slip line sewer line at 324th and 40 Ave S
Manhole rehab at 298th and 25PL S
Meredith Siphon barrel
CIPP sewer line at 7th pl S and 322nd AB 187 Mh f-5 to f-4
Line sewer main on N side of 320 from PAC Highway to 24th Ave., South
Replace sewer main MH 553-2 to MH 553-1 288th 13 s
Sewer main rehab 320th & 23rd Ave S. MH 433-21-666 to MH 433-21-65
Joint repair 320th & 23Ave S. MH 443-21-65 to MH 732-1
Sewer main rehab 320th & 23Ave S. MH 445-21-74 to MH 777-6
Replace sewer main 287th & 14th Ave S. MH 340A to MH 275-347-A
Sewer main rehab 321st & 2nd Ave SW. MH 640-34 to MH 395-14
Lakota Trunk from (Lakota WWTP to 21st Ave SW)
Lakota Trunk - 21st Ave SW to I-5 - Evaluation
8th Ave @ S 33rd St (MH 400-36 to 400-35)
MH rehabs: 377-222 to 377-496 through 378-509A
MH rehabs 41-30B thru 41-30D

Potential "Other" As Required by Development

Un-Sewered Areas
Edgewood Flow Accomodation
Pierce County Sewers
Dash Point Sewers
72nd Ave NE Sewer Trunk
Oversizing-Starwater SM Extension

Sewer Main Collection Program (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	**11,364**	**2,485**	**3,675**	**3,735**	**2,550**	**3,150**	**3,250**	**3,050**	**3,050**	**3,050**	**3,050**
Water	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Wastewater	**11,364**	**2,485**	**3,675**	**3,735**	**2,550**	**3,150**	**3,250**	**3,050**	**3,050**	**3,050**	**3,050**

(8) Funded for negotiations - Actual costs are dependent on

Road Program (Details)

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Budget by Year

a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
x	Program	Miscellaneous Field Work	$ -	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	
x	Program	SWM- Road/Street Main Relocations	$ 8,583	$ 3,750	$ 1,550	$ 2,000	$ 2,000	$ 2,000	$ 2,100	$ 2,300	$ 2,300	$ 2,300	$ 2,300	
	5100081	WMI - S 312th St (13th Ave to PacHW S)	$ 1,492											
	5100079	WM SR 509: 9th Pl. S. to 11th Pl. S.	$ 401											
	5100087	WMI- SR509 : SW 312th to 21st Ave SW	$ 563											
	5300170	WMI - 1st Ave S (S 300th Pl to S 293rd Pl)	$ 2,113											
	5100086	WMI- SW 298th St/9th Ave SW and Vicinity	$ 3,067											
	5100088	WMI- 8th Ave S (264th to 265th)	$ 846											
	5300178	WMI- 2022 FW Overlays	$ 100	$ 3,500										
	53xxx	WMI -SR509 at 4th Ave S (Roundabout)	$ -	$ 50	$ 150									
	53xxx	WM- Undefined Relocation Work	$ -	$ 100	$ 1,300	$ 1,900	$ 1,900	$ 1,900	$ 2,000	$ 2,200	$ 2,200	$ 2,200	$ 2,200	
	53xxx	SM- Undefined Relocation Work	$ -	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	
		Others	$ -											
		Potential Road Improvement Areas (included as "Undefined"):												
	53xxx	WMI- S. 312th St. @ 28th Ave. S.	$ -			$ 50	$ 350							
	53xxx	WMI -SR509 at 4th Ave S	$ -	$ 100										
	53xxx	SWMI - NMC 16th Ave S (288th to 293rd)	$ -	$ 600	$ 600									
	53xxx	SWMI - S 360th/Military Rd (Roundabout)	$ -	$ 300	$ 900									
	53xxx	SWMI - 16th Ave S (334th to 348th)	$ -			$ 200								
	53xxx	SWMI - 28th Ave S (298th to 320th)	$ -		$ 300	$ 700								
	53xxx	SWMI - S 312th St (24th to 28th)	$ -			$ 50	$ 50							
	53xxx	WMI- 46th Pl. S. Realignment S. of 321st St	$ -				$ 100	$ 1,000						
	53xxx	SWMI- SR161 Fish Passages	$ -		$ 300	$ 700								
		WSDOT Road Improvements - none	$ -											
		Prelim. Est.	$ -	$ 1,000	$ 2,100	$ 1,700	$ 500	$ 1,000	$ -	$ -	$ -	$ -	$ -	

City of FW Capital Project
City of Auburn Road Improvement Project
City of Des Moines Road Improvement Project
King County Road Improvement Project
WSDOT Road Improvement

Road Program (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	8,583	3,850	1,650	2,100	2,100	2,100	2,200	2,400	2,400	2,400	2,400
Water	8,477	3,700	1,500	1,950	1,950	1,950	2,050	2,250	2,250	2,250	2,250
Wastewater	106	150	150	150	150	150	150	150	150	150	150

IT Upgrades - Others (Details)

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Budget by Year

a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
x	Program	IT Upgrades - Other	$ 298	$ 440	$ 290	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	
	5300134	2016 LFS Update	$ 298											
	53xxx	Software Licenses	$ -	$ 100										
	53xxx	Strategic Master Technology Plan	$ -	$ 150	$ 200									
	53xxx	Cityworks PLL Upgrade	$ -	$ 140	$ 40									
	53xxx	Information System Upgrades - Undefined	$ -	$ 50	$ 50	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	
		Other	$ -											

IT Upgrades - Others (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	298	440	290	150	150	150	150	150	150	150	150
Water	149	220	145	75	75	75	75	75	75	75	75
Wastewater	149	220	145	75	75	75	75	75	75	75	75

Adm Facility Upgrades - Other (Details)

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Budget by Year

a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
x	5300077	Main Campus HQ Facilities Improvement	$ 10,335	$ 36,000	$ 6,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
x	5300167	Risk and Resiliency Assessment - 2020	$ 746											
x	Program	Facility Upgrades - Other	$ 150	$ 150	$ 200	$ 150	$ 150	$ 250	$ 250	$ 200	$ 200	$ 200	$ 200	
	5300179	Water and Sewer Standards Update	$ 150	$ -										
	52xxx	Lakota Admin 1st Floor Carpet Replacement	$ -	$ 50										
	52xxx	Lakota Maintenance Buidling Office Upgrade	$ -		$ 100									
	52xxx	Facility Security - Well/Tank Sites	$ -	$ 50	$ 50	$ 50	$ 50	$ 50	$ 50					
	53xxx	Facility Upgrades - Undefined	$ -	$ 50	$ 50	$ 100	$ 100	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	
		Other	$ -											

Adm Facility Upgrades - Other (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	**11,231**	**36,150**	**6,200**	**150**	**150**	**250**	**250**	**200**	**200**	**200**	**200**
Water	**6,907**	**22,575**	**3,825**	**100**	**100**	**150**	**150**	**100**	**100**	**100**	**100**
Wastewater	**4,324**	**13,575**	**2,375**	**50**	**50**	**100**	**100**	**100**	**100**	**100**	**100**

Vehicle/Equipment Replacement Program (Details)

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Budget by Year

a	#	Project Name	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	x
x	Program	Vehicle Replacement Program	$ -	$ 720	$ 500	$ 300	$ 400	$ 400	$ 400	$ 400	$ 400	$ 400	$ 400	
	53xxx	Unit 017 - New Air Compressor	$ -	$ 40										
	53xxx	Unit xxx - Unit 80 Replacement - Flat Bed (WOps)	$ -	$ 50										
	53xxx	Unit xxx - Unit 12 Replacement - Pickup (WOps)	$ -	$ 35										
	53xxx	Unit xxx - New Trailer Mounted 6" Pump (FOps)	$ -	$ 100										
	53xxx	Unit xxx - Unit 006 Replacement - 1/2 Ext Cab 4x4 (FOps)	$ -	$ 40										
	53xxx	Unit xxx - New Ext Cab Diesel Dump Box (FOps)	$ -	$ 70										
	53xxx	Unit xxx - Unit 427 Replacement - Tanker (WWOps)	$ -	$ 200										
	53xxx	Unit xxx - Unit 090 Replacement - Cube Van (E/CS)	$ -	$ 70										
	53xxx	Unit xxx - Unit xxx Replacement - Hydro Excavator (Fops)	$ -		$ 500									
	53xxx	Unit xxx - Unit 88 Replacement - Lrg Truck (FOps)	$ -	$ 100										
	53xxx	Unit xxx - Unit 89 Replacement - Lrg Truck (FOps)	$ -			$ 100								
	53xxx	Vehicle Replacement - Undefined	$ -	$ 15	$ -	$ 200	$ 400	$ 400	$ 400	$ 400	$ 400	$ 400	$ 400	
		Other	$ -											

Vehicle/Equipment Replacement Program (Details)	Pre-2022	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Grand Total	**-**	**720**	**500**	**300**	**400**	**400**	**400**	**400**	**400**	**400**	**400**
Water	**-**	**308**	**375**	**150**	**200**	**200**	**200**	**200**	**200**	**200**	**200**
Wastewater	**-**	**413**	**125**	**150**	**200**	**200**	**200**	**200**	**200**	**200**	**200**