



## INFORMATIONAL MEMORANDUM

**TO:** Transportation and Infrastructure Services Committee  
**FROM:** Hari Ponnekanti, Public Works Director/ City Engineer  
**BY:** Griffin Lerner, Public Works Analyst  
**CC:** Mayor Allan Ekberg  
**DATE:** September 30, 2022  
**SUBJECT:** Proposed 2023-2024 Biennial Budget  
**Utility Funds – Water, Sewer & Surface Water**

### **ISSUE**

Review Proposed 2023-2024 Biennial Budget and Capital Improvement Programs for Utility Funds – Water (401), Sewer (402), & Surface Water (412).

### **BACKGROUND**

The City’s Public Works Department manages Water, Sewer, and Surface Water Funds to provide for public health, safety, and welfare through the construction and maintenance of utility infrastructure. These Funds are reliant on charges for services to manage the depreciation of capital assets like pipes, levees, and service lines.

### **DISCUSSION & FISCAL IMPACT**

#### **Water Fund**

- Remains at 9 employees
- CIP includes S 152<sup>nd</sup> St Waterline Extension & Replacement, Water Meter Replacements & Upgrades, Watermain Replacement at S 149<sup>th</sup> St & S 150<sup>th</sup> St, and a new Reservoir
- Long range concerns include aging infrastructure, capturing the full cost of water, and the new Reservoir
- PW Shops debt service is estimated at \$325,000 until 2024 and \$1.058M thereafter

#### **Sewer Fund**

- Adding .5 FTE, a GIS Field Technician
- CIP includes Annual Sewer Repair, rebuilding Lift Station No.5 & upgrading Lift Station No.3
- Long range concerns include aging infrastructure and replacing sewer lift stations
- PW Shops debt service is estimated at \$200,000 until 2024 and \$671,000 thereafter

#### **Surface Water**

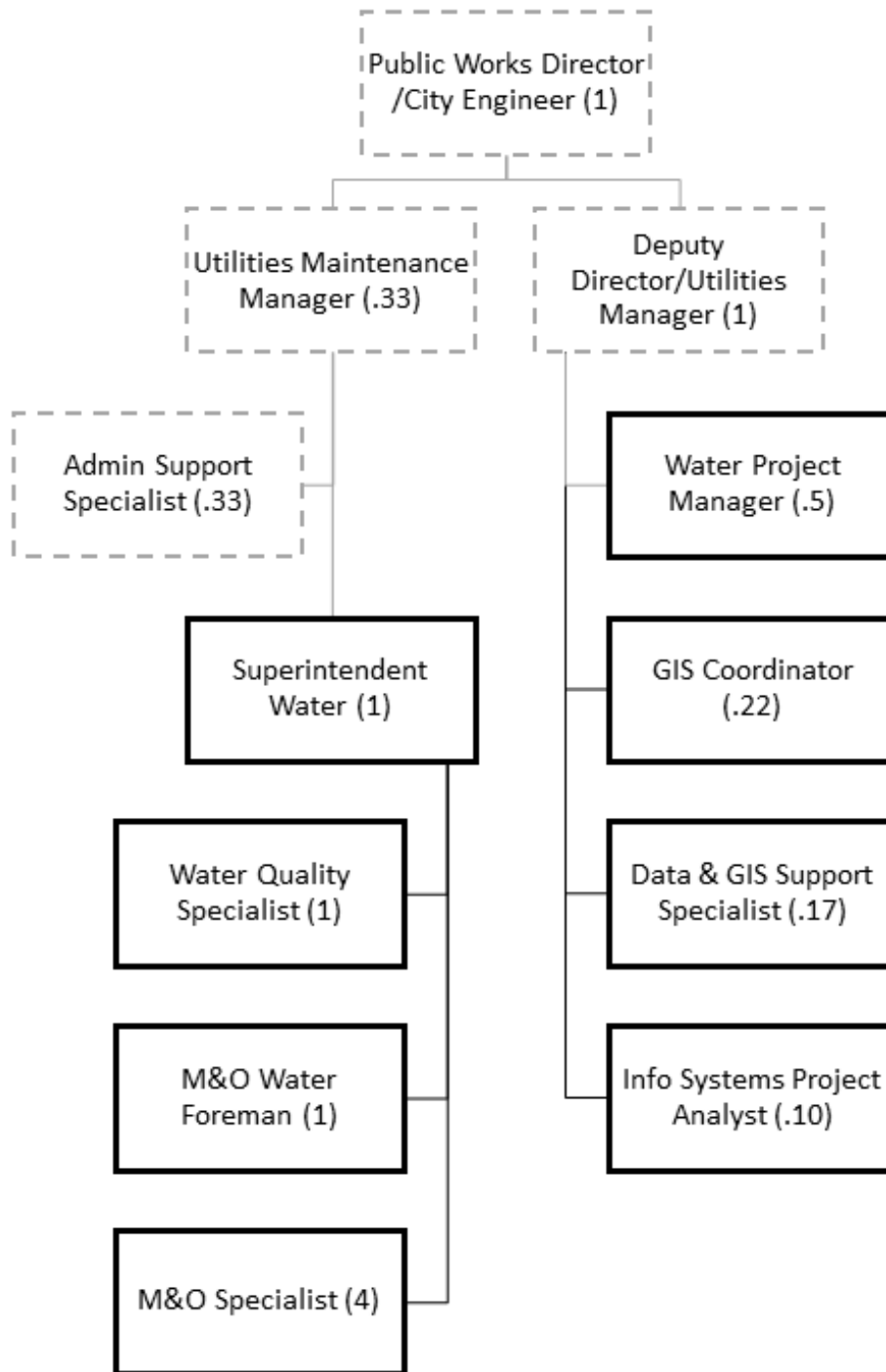
- Adding 1.5 FTE, a GIS Field Technician and a state-required NPDES Source Control Inspector
- CIP includes Chinook Wind, Tukwila 205 Levee, Nelsen Side Channel, and Gilliam Creek
- Long range concerns include NPDES requirements, aging infrastructure, and the levee
- PW Shops debt service is estimated at \$448,000 until 2024 and \$1.463M thereafter

### **RECOMMENDATION**

Transportation and Infrastructure Committee approval to forward the Water, Sewer, and Surface Water sections of the 2023-2024 Biennial Budget to the October 10, 2022 Committee of the Whole meeting.

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## Public Works – Water



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**DEPARTMENT:** Public Works  
**FUND:** Water  
**RESPONSIBLE MANAGER:** Hari Ponnekanti

**FUND NUMBER:** 401  
**POSITION:** Public Works Director

### **Description**

The mission of the Water Utility is to operate and maintain a water distribution system that provides residential, commercial, and industrial customers with high water quality, adequate capacity and pressure, at economical costs. The system distributes, on an annual basis, approximately 682 million gallons of water through 44 miles of water mains through approximately 2,300 meters. The Water Utility maintains relationships with adjoining jurisdictions, cities, water districts, sewer districts, and the Washington State Department of Health. Additional service is provided with reclaimed water along the Interurban Avenue South Corridor.

### **2021-2022 Accomplishments**

- ◆ Continued development of the GIS as-builts of City water infrastructure. **Strategic Goal 1 Utility Comp Plan Goal 12.1**
- ◆ Continued monitoring water use efficiency efforts and provided an annual report. **Strategic Goal 1 Utility Comp Plan Goal 12.1**
- ◆ Achieved 10 percent water savings to meet Water Efficiency Goals established by the Municipal Water Law. **Strategic Goal 1 Utility Comp Plan Goal 12.1**
- ◆ Completed and adopted Water Comprehensive Plan. **Strategic Goal 1 Utility Comp Plan Goal 12.1**
- ◆ Completed construction of Macadam Rd S Water Upgrade. **Strategic Goal 1 Utility Comp Plan Goal 12.1**

### **2023-2024 Outcome Goals**

- ◆ Improve water use efficiency.
- ◆ Improve water system reliability.
- ◆ Increase water system capacity.

### **2023-2024 Indicators of Success**

- ◆ Continue development of the GIS as-builts of City water infrastructure.
- ◆ Continue feasibility and explore property location for a new water reservoir and pump station, which will be necessary for future growth in the City.
- ◆ Complete construction of S 152<sup>nd</sup> Street waterline extension and replacement project.

## Statistics

	Actual 2020	Actual 2021	Projected 2022	Estimated	
				2023	2024
<b>Ensure a safe supply of drinking water</b>					
Number of backflow prevention assemblies (BPA) certified	1,725	1,821	1,841	1,851	1,861
Number of water system samples tested	50	50	50	50	50
Number of zones where mains are flushed	48	48	48	48	48
Bi-monthly tests for coliform & chlorine residual levels	50	50	50	50	50
Number of fire hydrants tested	589	599	602	602	602
<b>Capital</b>					
Number of water meters 2 inches and larger tested for accuracy	-	-	145	100	145
Number of new water meters installed within 48 hours of hook-up request	20	16	10	15	15
<b>Customers</b>					
Number of water customers	2,212	2,232	2,235	2,250	2,500
Total CCF of Water sold (in thousands)	727	799	800	800	800
Number of total water system miles	49.00	49.00	49.00	49.00	49.00
Number of fire hydrants owned by the city	601	601	601	605	605
*Number of shut-off notices	113	107	500	400	400
*Number of actual shut-offs for non-payment	8	12	80	100	105

\*Shut-offs were temporarily suspended due to COVID-19

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## **Fund Detail**

### **Program Descriptions**

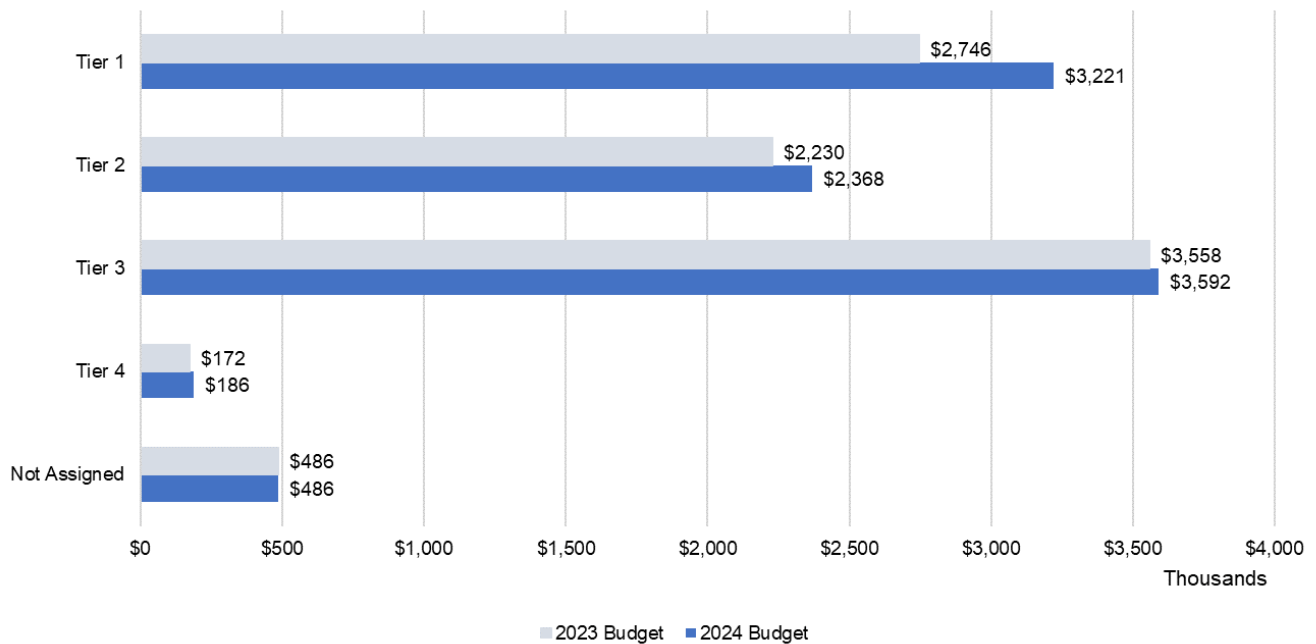
The following programs are budgeted in the Water Fund:

<b>PROGRAM NAME</b>	<b>PROGRAM DESCRIPTION</b>
Projects & Capital Impr Mgmnt	Planning and executing community infrastructure investment
Administration	General functions for standard operations of the department, including purchasing, timecards, budget development and oversight, culture and internal communications, recruiting and hiring, employee supervision and performance evaluations.
GIS	Includes staff time and consultant services to maintain the geographic information system (GIS) data necessary for customer inquiries, daily operations and infrastructure maintenance.
Meter Reading and Maintenance	Staff time for meter reading (majority are radio reads) and maintenance and replacement of water meters
Reservoir/Water Supply Stns	Reservoir/ Water Supply Stations/ Pressure Reducing Stations Covers all work at the City's reservoir, supply stations, and includes CWA fees for purchased water that supplies the City's water district
Professional Development & Training	Development of operational and strategic knowledge and skills to support staff development and better outcomes for the community and organization.
Mandatory Training	Trainings required by Federal, State, Local laws and/or City of Tukwila organizational policy.
Utility Billing	Provides support to the water, sewer, and surface water management departments. Provides all aspects of billing services, leak adjustments, financial reporting, etc
Water Mains/Service Lines	Staff time and supplies for water main maintenance and replacement by the City's water crew
Water Quality/Backflow Prev	Staff time and supplies for water quality maintenance and replacement. Includes a full-time water employee to maintain backflow prevention records to meet City codes in order to protect the water quality throughout the City's water district
Fire Hydrants	Staff time and supplies for fire hydrant maintenance and replacement. Includes flushing the fire hydrants as well as billable workorders after accidents
Not Assigned to any program	This program code is to be used with budget items that are not part of a program

## Staffing and Expenditure by Program

Program Description	Tier	Legally Required (Y/N)	Type of Program	FTE Allocation	2023 Budget	FTE Allocation	2024 Budget	% Change
								2023-2024
Projects & Capital Impr Mgmt	1	N - Best Practice	Community	0.500	2,745,608	0.500	3,221,289	17.33%
<b>1 - Total</b>				<b>0.500</b>	<b>2,745,608</b>	<b>0.500</b>	<b>3,221,289</b>	<b>17.33%</b>
Administration	2	Y - Federal/State	Governance	0.750	1,713,392	0.750	1,814,325	5.89%
GIS	2	Y - City Code	Governance	0.720	106,049	0.720	112,357	5.95%
Meter Reading and Maintenance	2	N - Best Practice	Community	1.050	205,078	1.050	216,584	5.61%
Reservoir/Water Supply Stns	2	Y - Federal/State	Community	1.050	205,044	1.050	224,548	9.51%
<b>2 - Total</b>				<b>3.570</b>	<b>2,229,563</b>	<b>3.570</b>	<b>2,367,814</b>	<b>6.20%</b>
Professional Dev & Training	3	Y - Ordinance/Resolution	Governance	-	5,000	-	5,000	-
Mandatory Training	3	Y - Federal/State	Governance	-	1,000	-	1,000	-
Utility Billing	3	Y - Federal/State	Governance	-	3,130,943	-	3,140,993	0.32%
Water Mains/Service Lines	3	Y - Federal/State	Community	1.300	225,022	1.300	239,201	6.30%
Water Quality/Backflow Prev	3	Y - Federal/State	Community	1.200	196,201	1.200	205,333	4.65%
<b>3 - Total</b>				<b>2.500</b>	<b>3,558,166</b>	<b>2.500</b>	<b>3,591,527</b>	<b>0.94%</b>
Fire Hydrants	4	N - Best Practice	Community	1.250	172,399	1.250	186,246	8.03%
<b>4 - Total</b>				<b>1.250</b>	<b>172,399</b>	<b>1.250</b>	<b>186,246</b>	<b>8.03%</b>
Not Assigned to any program	5	Not Applicable	Governance	-	485,625	-	485,723	0.02%
<b>5 - Total</b>				<b>-</b>	<b>485,625</b>	<b>-</b>	<b>485,723</b>	<b>0.02%</b>
<b>Grand Total</b>				<b>7.820</b>	<b>9,191,361</b>	<b>7.820</b>	<b>9,852,599</b>	<b>7.19%</b>

Programs by Tier



## Revenue and Expense Summary

WATER UTILITY FUND								
	Actual			Budget			Percent Change	
	2020	2021	Projected 2022	2022	2023	2024	2022-2023	2023-2024
Operating Revenue								
Water Sales	\$ 6,165,501	\$ 6,771,116	\$ 7,004,726	\$ 6,866,000	\$ 7,647,000	\$ 8,219,000	11.4%	7.5%
Grant Revenues	2,324	-	-	-	-	687,000	0.0%	0.0%
Security Revenue	330	210	35,000	-	-	-	0.0%	0.0%
Other Income	79,307	79,120	74,710	21,000	21,000	21,000	0.0%	0.0%
Investment Earnings	88,640	22,144	12,429	60,000	60,000	60,000	0.0%	0.0%
Transfers In	5,947	-	-	-	-	-	0.0%	0.0%
Bond Proceeds	-	-	-	-	-	750,000	0.0%	0.0%
<b>Total Operating Revenue</b>	<b>6,342,050</b>	<b>6,872,590</b>	<b>7,126,865</b>	<b>6,947,000</b>	<b>7,728,000</b>	<b>9,737,000</b>	<b>11.2%</b>	<b>26.0%</b>
Operating Expenses								
Salaries & Wages	574,747	549,418	557,392	729,163	707,380	767,386	-3.0%	8.5%
Benefits	297,947	307,429	244,669	348,484	274,851	287,773	-21.1%	4.7%
Supplies	36,584	53,096	13,017	29,200	29,000	29,000	-0.7%	0.0%
Repair & Maintenance Supplies	69,870	53,132	97,663	115,500	115,500	115,500	0.0%	0.0%
Small Tools	8,349	3,985	5,457	2,500	14,000	14,000	460.0%	0.0%
Technology Supplies	941	4	-	12,500	1,000	1,000	-92.0%	0.0%
Utility Fund Supplies	2,760,415	2,688,048	2,806,402	3,552,000	2,773,243	2,778,293	-21.9%	0.2%
Professional Services	142,913	223,514	398,638	673,376	115,491	156,489	-82.8%	35.5%
Communications	7,549	7,982	11,655	8,000	8,000	8,000	0.0%	0.0%
Professional Development	9,572	15,313	12,307	7,500	12,000	12,000	60.0%	0.0%
Advertising	531	1,332	58	-	-	-	0.0%	0.0%
Rentals	94,541	58,318	42,404	41,377	1,600	1,600	-96.1%	0.0%
Technology Services	15,907	15,836	21,448	-	15,000	15,000	0.0%	0.0%
Utilities	22,256	26,499	28,720	33,200	46,600	46,600	40.4%	0.0%
Repairs & Maintenance Services	104,089	216,098	819,495	101,194	94,976	97,121	-6.1%	2.3%
Other Expenses	965,575	1,067,436	955,287	1,048,450	1,131,750	1,194,750	7.9%	5.6%
<b>Total Operating Expenses</b>	<b>5,111,785</b>	<b>5,287,442</b>	<b>6,014,609</b>	<b>6,702,444</b>	<b>5,340,390</b>	<b>5,524,512</b>	<b>-20.3%</b>	<b>3.4%</b>
Capital Expenses								
Capital-Land	-	-	-	10,000	-	750,000	-100.0%	0.0%
Other Capital Improvements	-	-	1,735	-	50,000	1,400,000	0.0%	2700.0%
Machinery & Equipment	21,385	5,385	4,797	-	-	-	0.0%	0.0%
Construction Projects	-	-	2,093,468	1,800,000	1,880,000	575,000	4.4%	-69.4%
Principal	135,799	121,492	122,883	122,883	122,891	124,140	0.0%	1.0%
Interest Expense	9,799	8,567	6,321	6,321	4,929	3,537	-22.0%	-28.2%
<b>Total Capital Expenses</b>	<b>166,984</b>	<b>135,444</b>	<b>2,229,204</b>	<b>1,939,204</b>	<b>2,057,820</b>	<b>2,852,677</b>	<b>6.1%</b>	<b>38.6%</b>
Transfers Out	197,423	402,541	475,031	373,031	1,052,804	698,046	182.2%	-33.7%
Indirect Cost Allocation	684,977	698,111	705,092	705,092	740,347	777,364	5.0%	5.0%
<b>Total Expenses</b>	<b>6,161,168</b>	<b>6,523,538</b>	<b>9,423,937</b>	<b>9,719,771</b>	<b>9,191,362</b>	<b>9,852,599</b>	<b>-5.4%</b>	<b>7.2%</b>
Beginning Fund Balance	6,457,701	6,638,582	6,987,634	6,987,634	4,690,562	3,227,200	-32.9%	-31.2%
Change in Fund Balance	180,881	349,052	(2,297,072)	(2,772,771)	(1,463,362)	(115,599)	-47.2%	-92.1%
<b>Ending Fund Balance</b>	<b>\$ 6,638,582</b>	<b>\$ 6,987,634</b>	<b>\$ 4,690,562</b>	<b>\$ 4,214,863</b>	<b>\$ 3,227,200</b>	<b>\$ 3,111,601</b>	<b>-23.4%</b>	<b>-3.6%</b>

## Capital Projects

The capital projects listed below are capital projects planned for the 2023-2024 biennium. The year in which the project is estimated to be completed has been provided. Additional information on the projects may be found in the Capital Improvement Program section of the budget document.

Capital Projects	2023 Budget	2024 Budget	Anticipated Completion
S 152nd Street Waterline Extension & Replacement	\$1,880,000.00		2023
Update GIS Water System Inventory	\$67,000.00		2023
Large Water Meters Replacement	\$50,000.00	\$150,000.00	2030
Annual Water Repair		\$100,000.00	N/A
S 149th St & S 150th St Watermain Replacement		\$575,000.00	2025
Smart Water Meters Upgrade		\$1,250,000.00	2025
Water Reservoir and Pump Station		\$750,000.00	2027
<b>Total Capital Projects</b>	<b>\$1,997,000.00</b>	<b>\$2,825,000.00</b>	

## Salary and Benefit Details

<i>Water</i>							
Position Description	2022	2023	2023 Budget		2024	2024 Budget	
	FTE	FTE	Salaries	Benefits	FTE	Salaries	Benefits
Maint & Ops Superintendent	1	1	\$ 123,600	\$ 51,935	1	\$ 130,188	\$ 53,428
Maint & Ops Foreman	1	1	101,484	39,988	1	106,872	41,236
Maint & Ops Specialist	4	4	302,507	98,887	4	341,280	106,938
Water Quality Specialist	1	1	94,944	46,635	1	99,972	47,808
Developemnt/Project Manager	0.5	0.5	35,131	18,477	0.5	37,300	18,989
Info Systems Project Analyst	0.1	0.1	13,217	5,411	0.1	13,922	5,560
GIS Coordinator	0.22	0.22	25,497	9,504	0.22	26,851	9,790
Overtime			11,000	2,013		11,000	2,025
Uniforms				2,000			2,000
<b>Department Total</b>	<b>7.82</b>	<b>7.82</b>	<b>\$ 707,380</b>	<b>\$ 274,850</b>	<b>7.82</b>	<b>\$ 767,385</b>	<b>\$ 287,774</b>



## Debt Service Requirements

The following chart provides information on debt service requirements, by debt issue, for the biennium.

Debt Service	Project	Budget	
		2023	2024
<b>2015 Revenue Bonds</b>	<b>Allentown Phase II</b>		
Principal		\$ 42,266	\$ 43,514
Interest		4,123	3,134
	Total	<b>46,389</b>	<b>46,648</b>
<b>PWTFL 2004</b>	<b>Allentown Phase II</b>		
Principal		80,625	80,625
Interest		806	403
	Total	<b>81,431</b>	<b>81,028</b>
<b>Public Safety Plan</b>	<b>Public Works Shops</b>		
<b>2018 Bond Issuance</b>			
Debt Service in Lieu of Rent		260,559	260,857
	Total	<b>260,559</b>	<b>260,857</b>
<b>Public Safety Plan</b>	<b>Public Works Shops</b>		
<b>2019 Bond Issuance</b>			
Debt Service in Lieu of Rent		97,245	97,189
	Total	<b>97,245</b>	<b>97,189</b>
Total Principal		122,891	124,139
Total Interest		4,929	3,537
Total Debt Service in Lieu of Rent		357,804	358,046
<b>Total Debt Service</b>		<b>\$ 485,624</b>	<b>\$ 485,722</b>

## General Ledger Code Details

### Revenues

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
Operating Revenues							
PW401800-333219	Dept Of Treasury-Cares Act	\$ 2,324	\$ -	\$ -	\$ -	\$ -	\$ -
PW401800-342400	Protective Inspection Fees	330	210	35,000	-	-	-
PW401800-343401	Water Regular monthly charges	6,149,589	6,754,977	6,970,726	6,844,000	7,625,000	8,197,000
PW401800-343402	Meter Installations-Temporary	3,150	6,719	3,000	3,000	3,000	3,000
PW401800-343403	Repair Services-Water	7,362	(1,106)	4,000	3,000	3,000	3,000
PW401800-343405	Other Misc Charges-Water	2,100	7,315	15,000	4,000	4,000	4,000
PW401800-343406	Water Shut-Off Notice Svc Chrg	3,300	3,210	12,000	12,000	12,000	12,000
PW401800-361110	Investment Interest	88,640	22,144	12,429	60,000	60,000	60,000
PW401800-361400	Interest on Receivables	270	1,676	6,000	1,000	1,000	1,000
PW401800-369100	Sale Of Scrap And Junk	-	9,174	3,000	-	-	-
PW401800-369900	Other Revenues	400	405	1,000	-	-	-
Total Operating Revenues		6,257,465	6,804,724	7,062,155	6,927,000	7,708,000	8,280,000
Capital Project Revenues							
PW401801-333934	IndFed-WaterSmart grant	-	-	-	-	-	687,000
PW401801-379002	CapContr-Contractor/Developers	22,557	17,446	13,496	-	-	-
PW401801-379004	CapContr-Allentown/Ryan Hill	56,080	50,419	51,214	20,000	20,000	20,000
PW401801-391900	Other LT Bond Proceeds	-	-	-	-	-	750,000
Total Capital Project Revenues		78,638	67,865	64,710	20,000	20,000	1,457,000
PW401800-730400	Transfer In from Util Fds	5,947	-	-	-	-	-
Non-Operating Revenues		5,947	-	-	-	-	-
Total Revenues		\$ 6,342,050	\$ 6,872,590	\$ 7,126,865	\$ 6,947,000	\$ 7,728,000	\$ 9,737,000

Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW401800-511000	Salaries	\$ 537,886	\$ 480,089	\$ 490,090	\$ 621,864	\$ 622,535	\$ 678,312
PW401800-512000	Extra Labor	-	1,987	1,536	4,000	-	-
PW401800-513000	Overtime	7,589	15,501	7,800	10,000	11,000	11,000
PW401801-511000	Salaries	26,362	34,178	18,062	93,299	73,845	78,074
PW401801-513000	Overtime	-	50	-	-	-	-
PW401801C-511000	Salaries	2,909	17,613	38,911	-	-	-
PW401801C-513000	Overtime	-	-	992	-	-	-
Total Salaries & Wages		574,747	549,418	557,392	729,163	707,380	767,386
PW401800-521000	FICA	41,910	38,149	36,868	48,613	48,465	52,732
PW401800-523000	PERS	70,401	57,847	49,317	62,651	66,483	73,059
PW401800-524000	Industrial Insurance	15,360	14,444	10,099	19,008	17,370	18,239
PW401800-524050	Paid Family & Med Leave Prem	818	752	786	890	1,018	1,108
PW401800-525000	Medical, Dental, Life, Optical	4,407	5,060	2,518	5,465	3,495	3,670
PW401800-525097	Self-Insured Medical & Dental	153,929	167,017	126,493	180,378	102,628	102,628
PW401800-528000	Uniform Clothing	-	-	-	1,700	-	-
PW401800-528001	Boot Allowance	1,059	1,432	325	-	2,000	2,000
PW401801-521000	FICA	1,878	2,402	1,382	7,133	5,649	5,973
PW401801-523000	PERS	3,166	3,622	1,851	9,186	7,749	8,275
PW401801-524000	Industrial Insurance	616	770	314	277	1,351	1,418
PW401801-524050	Paid Family & Med Leave Prem	63	77	93	133	119	125
PW401801-525000	Medical, Dental, Life, Optical	222	450	96	578	440	462
PW401801-525097	Self-Insured Medical & Dental	3,190	9,483	1,509	12,472	18,083	18,083
PW401801C-521000	FICA	223	1,349	3,126	-	-	-
PW401801C-523000	PERS	377	2,011	4,192	-	-	-
PW401801C-524000	Industrial Insurance	81	414	842	-	-	-
PW401801C-525000	Medical, Dental, Life, Optical	13	85	192	-	-	-
PW401801C-525097	Self-Insured Medical & Dental	235	2,065	4,666	-	-	-
Total Personnel Benefits		297,947	307,429	244,669	348,484	274,851	287,773
PW401800-531000	Supplies-General	-	-	-	500	-	-
PW401800-531001	Office Supplies	-	596	25	-	200	200
PW401800-531002	Printing Supplies	70	308	140	-	100	100
PW401800-531003	Operating Supplies	34,574	49,505	11,343	26,000	26,000	26,000
PW401800-531012	Billing Supplies	1,865	2,687	1,509	2,700	2,700	2,700
PW401800-532000	Repairs & Maint Supplies	36,719	28,340	13,313	58,500	-	-
PW401800-532001	Repair Supplies	-	-	57,389	-	58,500	58,500
PW401800-532002	Maintenance Supplies	30,183	22,099	25,393	55,000	55,000	55,000
PW401800-532003	Safety Supplies	2,942	2,673	1,568	2,000	2,000	2,000
PW401800-532007	Cleaning & Janitorial Supplies	26	21	-	-	-	-
PW401800-535000	Small Tool & Minor Equipment	3,201	3,534	659	-	-	-
PW401800-535001	Equipment	-	-	1,278	-	8,250	8,250
PW401800-535002	Power Tools	3,308	-	767	-	3,250	3,250
PW401800-535003	Office Equipment	-	451	310	-	-	-
PW401800-535004	Traffic Control Devices/Tools	1,840	-	2,444	2,500	2,500	2,500
PW401800-536000	Technology Supplies	794	-	-	-	-	-
PW401800-536001	Computer peripherals	147	4	-	12,500	1,000	1,000
PW401800-539001	Purchased Water	2,753,050	2,680,140	2,804,726	3,542,000	2,763,243	2,768,293
PW401800-539002	Reclaimed Water	7,365	7,908	1,676	10,000	10,000	10,000
PW401801-531003	Operating Supplies	74	-	-	-	-	-
Total Supplies		2,876,159	2,798,266	2,922,539	3,711,700	2,932,743	2,937,793

Expenses

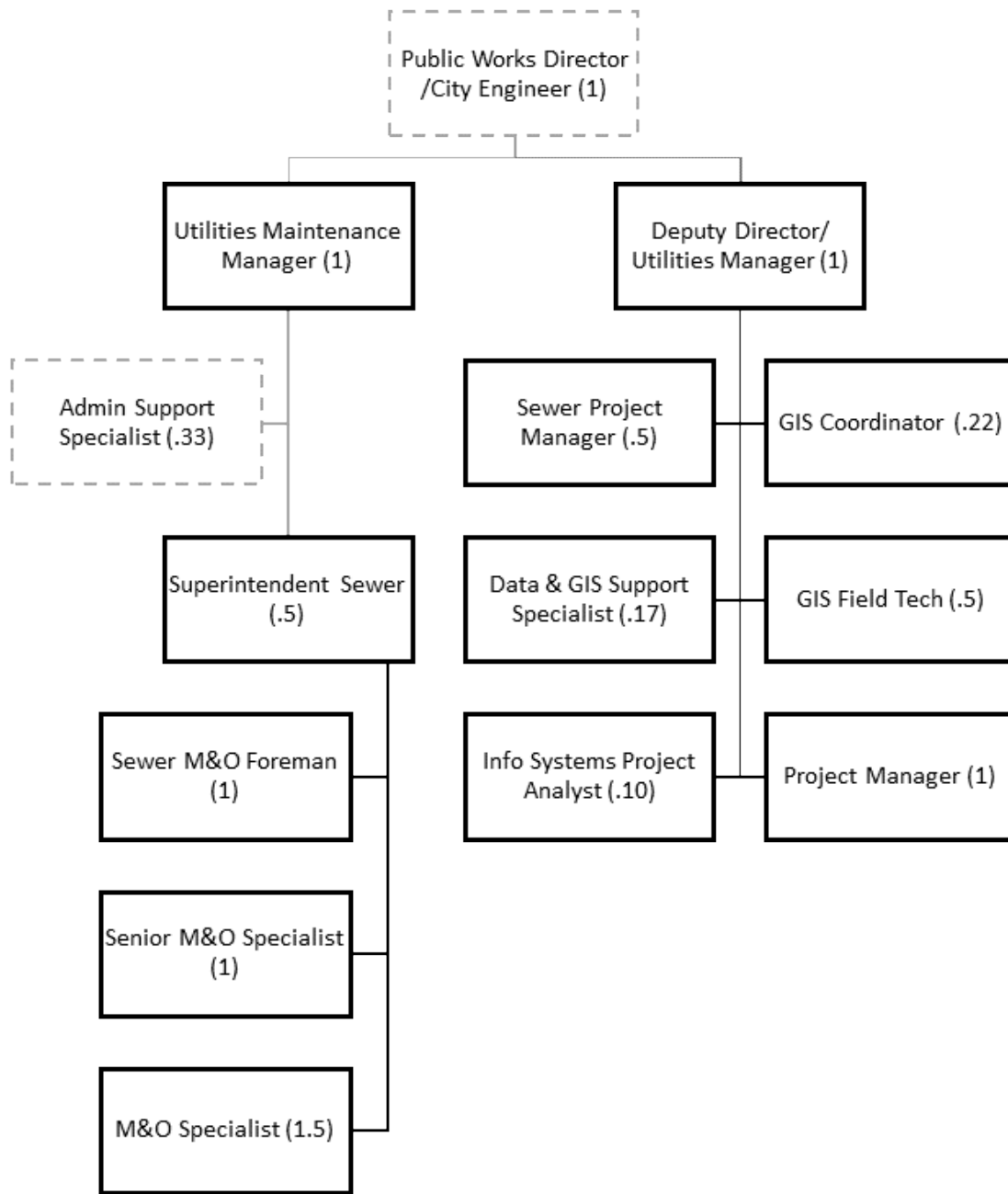
GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW401800-541000	Professional Services	3,873	4,941	-	8,000	-	-
PW401800-541007	Contracted Services	3,227	-	-	-	8,000	8,000
PW401800-541010	Inspection Services & Permits	45	194	-	-	-	-
PW401800-541026	Employee screening/testing	614	436	295	500	500	500
PW401800-541030	Insurance-Liability	19,131	18,657	31,343	19,876	39,991	47,989
PW401800-542001	Telephone/Alarm/Cell Service	7,549	7,982	9,293	8,000	8,000	8,000
PW401800-542004	Printing & Binding Services	-	-	2,362	-	-	-
PW401800-543001	Memberships	1,055	581	1,165	-	1,000	1,000
PW401800-543002	Registrations	1,748	8,950	1,200	-	3,000	3,000
PW401800-543003	Meals-Prof Dev related	296	-	106	1,500	1,500	1,500
PW401800-543005	Mileage	-	-	59	-	500	500
PW401800-543006	Certifications & Licenses	6,585	5,782	9,127	6,000	6,000	6,000
PW401800-545003	Building Rent/Lease	1,505	3,122	2,527	1,500	1,600	1,600
PW401800-545094	Fleet rental/repl funding	93,036	55,196	39,877	39,877	-	-
PW401800-546001	Software Maintenance Contract	15,907	13,736	21,448	-	15,000	15,000
PW401800-547021	Electric Utility	17,852	20,912	20,806	24,000	36,000	36,000
PW401800-547025	Water/Sewer Utility	3,293	3,345	3,230	4,200	4,200	4,200
PW401800-547028	Solid Waste Disposal	1,110	2,241	4,684	5,000	6,400	6,400
PW401800-548000	Repair & Maint Services	5,627	1,110	-	19,000	-	-
PW401800-548001	Repair services	-	369	-	-	9,500	9,500
PW401800-548002	Maintenance Services	-	963	-	-	9,500	9,500
PW401800-548004	Radios/Telemetry Maint	3,398	3,529	2,013	-	10,000	10,000
PW401800-548095	Fleet Oper and Maint costs	95,064	86,756	82,194	82,194	65,976	68,121
PW401800-549000	Miscellaneous Expenses	819	1,853	-	6,000	-	-
PW401800-549002	Credit Card Fees	62,919	89,585	77,051	75,000	75,000	80,000
PW401800-549007	Excise Taxes & Other Assessmnt	283,758	297,559	195,582	280,000	280,000	280,000
PW401800-549010	Business Meals (non Prof Dev)	945	625	1,205	-	1,000	1,000
PW401800-549012	Bank Fees	-	7	-	-	-	-
PW401800-549013	Utility One-Call Service	557	529	449	750	750	750
PW401800-549054	Interfund Taxes & Oper Assmnts	616,577	677,279	681,000	686,700	775,000	833,000
PW401801-541000	Professional Services	116,023	88,287	-	-	-	-
PW401801-541007	Contracted Services	-	-	-	-	67,000	100,000
PW401801-543001	Memberships	173	-	-	-	-	-
PW401801-543002	Registrations	(285)	-	650	-	-	-
PW401801-544001	Legal & Public Notices	531	45	-	-	-	-
PW401801-546001	Software Maintenance Contract	-	2,100	-	-	-	-
PW401801-548000	Repair & Maint Services	-	114,158	-	-	-	-
PW401801-548001	Repair services	-	-	735,288	-	-	-
PW401801C-541000	Professional Services	(75,466)	(81,053)	-	645,000	-	-
PW401801C-541006	Consulting Services	72,953	153,216	-	-	-	-
PW401801C-541007	Contracted Services	2,513	38,837	367,000	-	-	-
PW401801C-544001	Legal & Public Notices	-	1,287	58	-	-	-
PW401801C-548001	Repair services	-	9,213	-	-	-	-
Total Services & Passthrough Pmts		1,362,933	1,632,328	2,290,010	1,913,097	1,425,417	1,531,560
PW401801C-561000	Land	-	-	-	10,000	-	750,000
PW401801C-563000	Other Improvements	-	-	1,735	-	50,000	1,400,000
PW401801C-564000	Machinery & Equipment	21,385	5,385	4,797	-	-	-
PW401801C-565000	Construction Projects	-	-	2,093,468	1,800,000	1,880,000	575,000
Total Capital Expenditures		21,385	5,385	2,100,000	1,810,000	1,930,000	2,725,000

Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW401801-750195	Transfer Out for 1% Arts	-	-	15,000	15,000	15,000	-
PW401801-750208	Transfer Out to 208	152,798	136,714	260,814	260,814	260,559	260,857
PW401801-750219	Transfer Out to 219	44,625	44,827	97,217	97,217	97,245	97,189
PW401801-750306	Transfer Out to 306	-	221,000	102,000	-	680,000	340,000
Total Transfers Out		197,423	402,541	475,031	373,031	1,052,804	698,046
PWTFL401-578064	PW-01-691-064 VAL VUE PRIN	14,454	-	-	-	-	-
PWTFL401-578069	PW 04-691-069 PRINCIPAL	80,625	80,625	80,625	80,625	80,625	80,625
PWTFL401-583064	Pw-01-691-064 Val Vue Interest	108	(36)	-	-	-	-
PWTFL401-583069	Pw-04-691-069 Interest	1,646	1,512	1,209	1,209	806	403
REV15WTR-572000	Revenue Bond	40,720	40,866	42,258	42,258	42,266	43,514
REV15WTR-583347	Interest On Long-Term External	6,942	5,989	5,112	5,112	4,123	3,134
REV15WTR-588340	Amortization Costs	1,103	1,103	-	-	-	-
Total Debt Service Payments		145,599	130,059	129,204	129,204	127,820	127,677
PW401800-750190	Transfer Out ICA	684,977	698,111	705,092	705,092	740,347	777,364
Total Expenditures		\$ 6,161,168	\$ 6,523,538	\$ 9,423,937	\$ 9,719,771	\$ 9,191,362	\$ 9,852,599

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## Public Works – Sewer



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**DEPARTMENT:** Public Works  
**FUND:** Sewer  
**RESPONSIBLE MANAGER:** Hari Ponnekanti

**FUND NUMBER:** 402  
**POSITION:** Public Works Director

## **Description**

The mission of the Sewer Utility is to operate and maintain a sewer collection system that will ensure the health, safety, and welfare of the citizens and visitors of Tukwila. The Sewer Utility is responsible for the maintenance of approximately 39 miles of gravity sewer main and the operation and maintenance of 12 lift stations and force mains. These lift stations pump approximately 60% of all sewage in the City (approximately 460 million gallons). The Sewer Utility maintains relationships with adjoining jurisdictions, cities, water districts, sewer districts, King County Department of Natural Resources & Parks, Wastewater Treatment Division, State Department of Ecology, State Department of Health, and King County Health Department.

## **2021-2022 Accomplishments**

- ◆ Evaluated system-wide conditions for potential upgrades for Annual Sewer Repair Program. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Ongoing construction of CBD Sanitary Sewer Rehabilitation. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Replaced generator, control system, and concrete slab at Sewer Lift Station No. 2. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Upgraded the electrical system at Sewer Lift Station No. 4. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Continued development of the GIS as-builts of city sewer infrastructure. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Completed and adopted Sewer Comprehensive Plan **Strategic Goal 1 Utility Comp Plan Goal 12.1**

## **2023-2024 Outcome Goals**

- ◆ Improve sewer system efficiency.
- ◆ Improve sewer system reliability.
- ◆ Improve sewer system capacity.

## **2023-2024 Indicators of Success**

- ◆ Evaluate system-wide conditions for potential upgrades for Annual Sewer Repair Program.
- ◆ Ongoing construction of CBD Sanitary Sewer Rehabilitation.
- ◆ Begin the Abandon Sewer Lift Station No. 9 Project.
- ◆ Continued development of the GIS as-builts of city sewer infrastructure.

## Statistics

	Actual 2020	Actual 2021	Estimated 2022	Projected 2023 2024	
<b>Maintain and Improve Sewer System</b>					
Number of linear feet TV inspected	47,098	47,078	50,000	50,000	50,000
Number of linear feet of sewer pipe jet cleaned	8,461	7,741	10,000	10,000	10,000
Number of manholes cleaned	1,261	1,261	1,261	1,261	1,261
<b>Capital</b>					
Hours of 10 sewer lift stations monitoring of pump hours, start counts, and generator operation (weekly)	2 FTEs, 11 hours a week	2 FTEs, 11 hours a week	2 FTEs, 11 hours a week	2 FTEs, 11 hours a week	2 FTEs, 11 hours a week
<b>Customers</b>					
Number of sewer customers	1,860	1,872	1,878	1,880	1,890
Number of total sewer system miles	39	40	40	40	40

## Fund Detail

### Program Descriptions

The following programs are budgeted in the Sewer Fund. Some programs, such as utility billing, risk management, and mandatory training, do not have FTEs attached to them because they either represent solely item expenses independent from staff time or have staff time in other divisions throughout the City.

PROGRAM NAME	PROGRAM DESCRIPTION
Emergency Preparation & Response	Emergency training, continuity of operations plans, developing backup systems.
Projects & Capital Impr Mgmnt	Planning and executing community infrastructure investment
Pump Station Monitor/Maint	Covers all work at the City's surface water pump stations, which includes monitoring and maintenance
Administration	General functions for standard operations of the department, including purchasing, timecards, budget development and oversight, culture and internal communications, recruiting and hiring, employee supervision and performance evaluations.
Communications & Community Engagement	Fosters more inclusive public participation and relationship building.
GIS	Includes staff time and consultant services to maintain the geographic information system (GIS) data necessary for customer inquiries, daily operations and infrastructure maintenance.
Budget/CIP Development	Facilitate development of the biennial budget, review, and file budget with State Auditor. Process budget amendments. Plan and develop 6-year CIP document addressing current and future city-wide capital needs.
Mandatory Training	Trainings required by Federal, State, Local laws and/or City of Tukwila organizational policy.

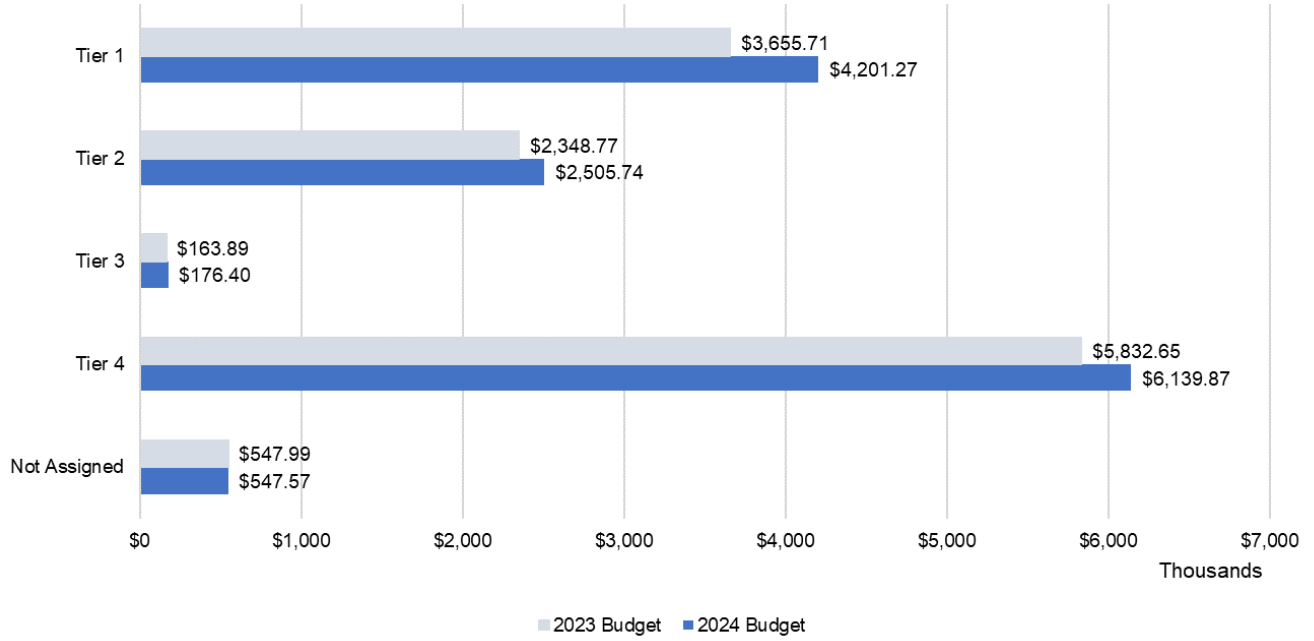


Boards/Commissions/Committees	Staffing, participating and other support for the successful development and administration of Board and Commission recruitment, trainings, and meetings. Also includes assisting with appointments and monitoring terms of appointment and training requirements. Receive applications and compiles memo for Mayor, schedule interviews, as requested, maintains a roster with all appointees and expiration dates, send memos for approved appointment for city council agenda, issue press releases, send thank you, regrets and/or congratulations letters to residents
Risk Management	Maintain adequate insurance coverage for liabilities, property, and employee errors & omissions. Review claims and file reports as needed
Utility Billing	Provides support to the water, sewer, and surface water management departments. Provides all aspects of billing services, leak adjustments, financial reporting, etc
Sewer Mains/Service Lines	Staff time and supplies for sewer main maintenance and replacement by the City's sewer crew
Not Assigned to any program	This program code is to be used with budget items that are not part of a program

### Staffing and Expenditure by Program

Program Description	Tier	Legally Required (Y/N)	Type of Program	FTE Allocation	2023 Budget	FTE Allocation	2024 Budget	% Change
								2023-2024
Emergency Prep & Response	1	Y - Federal/State	Governance	0.050	9,738	0.050	10,418	6.99%
Projects & Capital Impr Mgmt	1	N - Best Practice	Community	1.800	3,300,748	1.800	3,842,459	16.41%
Pump Station Monitor/Maint	1	Y - Federal/State	Community	1.700	345,221	1.700	348,397	0.92%
<b>1 - Total</b>				<b>3.550</b>	<b>3,655,707</b>	<b>3.550</b>	<b>4,201,274</b>	<b>14.92%</b>
Administration	2	Y - Federal/State	Governance	1.900	2,214,696	1.900	2,362,296	6.66%
Communications & Cmnty Engmnt	2	N - Best Practice	Community	0.050	9,738	0.050	10,418	6.98%
GIS	2	Y - City Code	Governance	0.820	104,856	0.820	112,194	7.00%
Budget/CIP Development	2	Y - Federal/State	Governance	0.100	19,476	0.100	20,836	6.98%
<b>2 - Total</b>				<b>2.870</b>	<b>2,348,767</b>	<b>2.870</b>	<b>2,505,745</b>	<b>6.68%</b>
Mandatory Training	3	Y - Federal/State	Governance	-	5,000	-	5,000	-
Boards/Commissions/Committees	3	Y - City Code	Governance	0.200	38,953	0.200	41,672	6.98%
Risk Management	3	Y - Federal/State	Governance	-	28,937	-	34,724	20.00%
Utility Billing	3	Y - Federal/State	Governance	-	91,000	-	95,000	4.40%
<b>3 - Total</b>				<b>0.200</b>	<b>163,890</b>	<b>0.200</b>	<b>176,397</b>	<b>7.63%</b>
Sewer Mains/Service Lines	4	N - Best Practice	Community	1.700	5,832,651	1.700	6,139,867	5.27%
<b>4 - Total</b>				<b>1.700</b>	<b>5,832,651</b>	<b>1.700</b>	<b>6,139,867</b>	<b>5.27%</b>
Not Assigned to any program	5	Not Applicable	Governance	-	547,986	-	547,573	-0.08%
<b>5 - Total</b>				<b>-</b>	<b>547,986</b>	<b>-</b>	<b>547,573</b>	<b>-0.08%</b>
<b>Grand Total</b>				<b>8.320</b>	<b>12,549,000</b>	<b>8.320</b>	<b>13,570,855</b>	<b>8.14%</b>

### Programs by Tier



## Revenue and Expense Summary

SEWER UTILITY FUND								
	Actual			Budget			Percent Change	
	2020	2021	Projected 2022	2022	2023	2024	2022-2023	2023-2024
Operating Revenue								
Sewer Sales	\$ 8,453,169	\$ 9,422,525	\$ 9,941,513	\$ 10,205,000	\$ 10,802,300	\$ 11,329,915	5.9%	4.9%
Grant Revenues	181	-	-	-	-	-	0.0%	0.0%
Transportation Revenue	51,672	-	-	-	-	-	0.0%	0.0%
Other Income	147,675	168,365	119,197	30,000	30,000	30,000	0.0%	0.0%
Investment Earnings	92,326	(5,075)	78,210	50,000	50,000	50,000	0.0%	0.0%
<b>Total Operating Revenue</b>	<b>8,745,023</b>	<b>9,585,815</b>	<b>10,138,920</b>	<b>10,285,000</b>	<b>10,882,300</b>	<b>11,409,915</b>	<b>5.8%</b>	<b>4.8%</b>
Operating Expenses								
Salaries & Wages	445,322	715,043	877,901	721,402	947,190	1,022,498	31.3%	8.0%
Benefits	198,824	304,691	389,457	317,328	340,550	356,420	7.3%	4.7%
Supplies	19,614	4,266	8,322	14,600	6,200	6,200	-57.5%	0.0%
Repair & Maintenance Supplies	7,417	9,735	11,006	8,000	17,600	17,600	120.0%	0.0%
Resale Supplies	-	-	-	-	-	-	0.0%	0.0%
Small Tools	1,917	958	2,063	5,000	5,000	5,000	0.0%	0.0%
Technology Supplies	343	-	-	-	2,500	2,500	0.0%	0.0%
Fleet Supplies	-	-	256	-	-	-	0.0%	0.0%
Utility Fund Supplies	4,658,117	4,173,212	4,690,000	5,225,000	5,525,960	5,830,000	5.8%	5.5%
Professional Services	180,635	361,076	231,486	827,339	253,437	392,224	-69.4%	54.8%
Communications	8,067	7,607	10,220	6,300	7,000	7,000	11.1%	0.0%
Professional Development	3,085	1,288	1,362	-	5,000	5,000	0.0%	0.0%
Advertising	2,001	2,690	-	-	-	-	0.0%	0.0%
Rentals	74,246	44,186	31,830	33,817	24,916	2,000	-26.3%	-92.0%
Technology Services	13,098	14,572	22,448	2,000	15,000	15,000	650.0%	0.0%
Utilities	34,122	39,274	38,221	47,500	50,430	50,430	6.2%	0.0%
Repairs & Maintenance Services	293,618	455,760	50,614	91,802	1,127,567	1,178,789	1128.3%	4.5%
Other Expenses	1,037,636	1,181,598	1,191,720	1,316,700	1,342,930	1,432,700	2.0%	6.7%
<b>Total Operating Expenses</b>	<b>6,978,063</b>	<b>7,315,956</b>	<b>7,556,905</b>	<b>8,616,788</b>	<b>9,671,281</b>	<b>10,323,362</b>	<b>12.2%</b>	<b>6.7%</b>
Capital Expenses								
Machinery & Equipment	-	39,050	25,101	-	-	-	0.0%	0.0%
Construction Projects	-	1,001,768	1,800,000	2,050,000	1,300,000	1,850,000	-36.6%	42.3%
Principal	330,536	330,886	334,205	334,205	334,223	337,201	0.0%	0.9%
Interest Expense	25,460	23,072	17,349	17,349	13,813	10,288	-20.4%	-25.5%
<b>Total Capital Expenses</b>	<b>355,996</b>	<b>1,394,776</b>	<b>2,176,655</b>	<b>2,401,554</b>	<b>1,648,036</b>	<b>2,197,489</b>	<b>-31.4%</b>	<b>33.3%</b>
Transfers Out	113,289	749,449	277,576	220,576	605,949	395,084	174.7%	-34.8%
Indirect Cost Allocation	522,167	588,149	594,031	594,031	623,733	654,920	5.0%	5.0%
Other Non Operating	-	-	950,000	-	-	-	0.0%	0.0%
<b>Total Expenses</b>	<b>7,969,516</b>	<b>10,048,330</b>	<b>11,555,168</b>	<b>11,832,949</b>	<b>12,549,000</b>	<b>13,570,855</b>	<b>6.1%</b>	<b>8.1%</b>
Beginning Fund Balance	12,845,283	13,620,790	13,158,275	13,158,275	11,742,027	10,075,327	-10.8%	-14.2%
Change in Fund Balance	775,507	(462,515)	(1,416,248)	(1,547,949)	(1,666,700)	(2,160,940)	7.7%	29.7%
<b>Ending Fund Balance</b>	<b>\$ 13,620,790</b>	<b>\$ 13,158,275</b>	<b>\$ 11,742,027</b>	<b>\$ 11,610,327</b>	<b>\$ 10,075,327</b>	<b>\$ 7,914,388</b>	<b>-13.2%</b>	<b>-21.4%</b>

## Capital Projects

The capital projects listed below are capital projects planned for the 2023-2024 biennium. The year in which the project is estimated to be completed has been provided. Additional information on the projects may be found in the Capital Improvement Program section of the budget document as well as the Capital Improvement Program document, which is adopted annually.

Capital Project	2023 cost	2024 cost	Anticipated Completion
80040201 - Annual Sewer Repair Program	\$ 1,050,000.00	\$ 1,100,000.00	N/A
81640104 - Update GIS Water System Invento	\$ 67,000.00		2023
92340201 - Sewer Lift Station No. 5 Rebuild	\$ 1,300,000.00	\$ 1,250,000.00	2024
90540208 - Abandon Lift Station No. 9	\$ 150,000.00	\$ 350,000.00	2025
90440206 - Sewer Lift Station No. 3 Upgrade		\$ 600,000.00	2025
80040102 - Lift Station Generators Load Bank	\$ 25,000.00	\$ 25,000.00	N/A
<b>Total Capital Projects</b>	<b>\$ 2,592,000.00</b>	<b>\$ 3,325,000.00</b>	

## Salary and Benefit Details

Sewer							
Position Description	2022	2023	2023 Budget		2024	2024 Budget	
	FTE	FTE	Salaries	Benefits	FTE	Salaries	Benefits
Maintenance Operations Manager	1	1	\$ 148,176	\$ 46,588	1	\$ 159,492	\$ 48,869
Utilities Engineer/Asst City Engineer	1	1	142,789	37,664	1	162,576	41,498
Project Manager	1.5	1.5	197,243	74,936	1.5	208,387	77,421
Maint & Ops Superintendent	0.5	0.5	61,500	18,034	0.5	65,244	18,863
Maint & Ops Foreman	1	1	101,484	50,571	1	107,172	51,874
Sr Maint & Ops Specialist	1	1	80,448	28,213	1	90,516	30,298
Maint & Ops Specialist	1.5	1.5	132,222	53,672	1.5	139,728	55,413
Info Systems Project Analyst	0.1	0.1	13,217	5,411	0.1	13,922	5,560
GIS Coordinator	0.22	0.22	25,497	9,504	0.22	26,851	9,790
GIS Field Tech	0	0.5	37,614	13,614	0.5	41,610	14,462
Overtime			7,000	1,323		7,000	1,332
Uniforms				1,020			1,040
<b>Department Total</b>	<b>7.82</b>	<b>8.32</b>	<b>\$ 947,190</b>	<b>\$ 340,550</b>	<b>8.32</b>	<b>\$ 1,022,498</b>	<b>\$ 356,420</b>

## Sewer Fund – Debt Service Requirements

The following chart provides information on debt service requirements, by debt issue, for the biennium.

Debt Service	Project	Budget	
		2023	2024
<b>2015 Revenue Bonds</b>	<b>Allentown Phase II</b>		
Principal		\$ 100,787	\$ 103,765
Interest		9,832	7,474
	Total	<b>110,619</b>	<b>111,239</b>
<b>PWTFL 2004</b>	<b>Allentown Phase II</b>		
Principal		192,261	192,261
Interest		1,923	961
	Total	<b>194,184</b>	<b>193,222</b>
<b>PWTFL 2014</b>	<b>CBD Sewer Rehab</b>		
Principal		41,175	41,175
Interest		2,059	1,853
	Total	<b>43,234</b>	<b>43,028</b>
<b>Public Safety Plan</b>	<b>Public Works Shops</b>		
<b>2018 Bond Issuance</b>			
Debt Service in Lieu of Rent		145,607	145,773
	Total	<b>145,607</b>	<b>145,773</b>
<b>Public Safety Plan</b>	<b>Public Works Shops</b>		
<b>2019 Bond Issuance</b>			
Debt Service in Lieu of Rent		54,343	54,312
	Total	<b>54,343</b>	<b>54,312</b>
Total Principal		334,223	337,201
Total Interest		13,814	10,288
Total Debt Service in Lieu of Rent		199,950	200,085
<b>Total Debt Service</b>		<b>\$ 547,987</b>	<b>\$ 547,574</b>

## General Ledger Code Details

### Revenues

GL Account Code	Account Description	Actual		Projected 2022	Budget		
		2020	2021		2022	2023	2024
Operating Revenues							
PW402800-333219	Dept Of Treasury-Cares Act	\$ 181	\$ -	\$ -	\$ -	\$ -	\$ -
PW402800-343501	Sewer-Regular Monthly Charges	8,134,729	9,110,432	9,490,000	9,955,000	10,552,300	11,079,915
PW402800-343505	Sewer Other Misc Charges	318,439	312,093	451,513	250,000	250,000	250,000
PW402800-344100	Road/Street Maint/Repair Chrgs	51,672	-	-	-	-	-
PW402800-361110	Investment Interest	106,371	14,444	43,979	50,000	50,000	50,000
PW402800-361112	Investment Interest Accrued	(13,126)	1,875	-	-	-	-
PW402800-361320	Unrlz'd Gain(Loss)-Investments	(918)	(21,394)	34,230	-	-	-
PW402800-361400	Interest on Receivables	4,875	5,165	7,501	5,000	5,000	5,000
Total Operating Revenues		8,602,223	9,422,615	10,027,223	10,260,000	10,857,300	11,384,915
PW402801-379004	CapContr-Allentown/Ryan Hill	142,800	163,200	111,696	25,000	25,000	25,000
Total Capital Project Revenues		142,800	163,200	111,696	25,000	25,000	25,000
Total Revenues		\$ 8,745,023	\$ 9,585,815	\$ 10,138,920	\$ 10,285,000	\$ 10,882,300	\$ 11,409,915

### Expenses

GL Account Code	Account Description	Actual		Projected 2022	Budget		
		2020	2021		2022	2023	2024
PW402800-511000	Salaries	\$ 375,024	\$ 341,749	\$ 374,854	\$ 362,268	\$ 413,268	\$ 444,270
PW402800-512000	Extra Labor	-	1,924	1,632	-	-	-
PW402800-513000	Overtime	3,889	5,256	1,165	7,000	7,000	7,000
PW402801-511000	Salaries	57,520	334,033	396,708	352,134	526,922	571,228
PW402801-513000	Overtime	-	50	-	-	-	-
PW402801C-511000	Salaries	8,888	32,032	102,041	-	-	-
PW402801C-513000	Overtime	-	-	1,501	-	-	-
Total Salaries & Wages		445,322	715,043	877,901	721,402	947,190	1,022,498
PW402800-521000	FICA	26,535	26,528	29,103	28,231	32,151	34,522
PW402800-523000	PERS	44,738	40,026	38,661	36,337	44,103	47,829
PW402800-524000	Industrial Insurance	9,386	9,570	7,729	10,669	11,208	11,768
PW402800-524050	Paid Family & Med Leave Prem	498	507	577	514	675	725
PW402800-525000	Medical, Dental, Life, Optical	3,063	3,696	2,198	3,991	2,155	2,263
PW402800-525097	Self-Insured Medical & Dental	90,201	89,195	114,179	96,330	75,135	75,135
PW402800-528000	Uniform Clothing	95	-	-	625	-	-
PW402800-528001	Boot Allowance	555	884	-	-	1,020	1,040
PW402801-521000	FICA	4,396	20,346	29,667	26,921	40,310	43,699
PW402801-523000	PERS	7,419	30,303	40,231	34,640	55,295	60,544
PW402801-524000	Industrial Insurance	1,510	5,312	4,666	2,115	4,520	4,746
PW402801-524050	Paid Family & Med Leave Prem	64	436	708	500	847	918
PW402801-525000	Medical, Dental, Life, Optical	434	2,527	1,700	2,881	1,963	2,061
PW402801-525097	Self-Insured Medical & Dental	7,144	63,908	69,033	73,574	71,170	71,170
PW402801C-521000	FICA	680	2,451	8,036	-	-	-
PW402801C-523000	PERS	1,147	3,750	10,767	-	-	-
PW402801C-524000	Industrial Insurance	243	894	2,509	-	-	-
PW402801C-525000	Medical, Dental, Life, Optical	51	141	528	-	-	-
PW402801C-525097	Self-Insured Medical & Dental	666	4,216	29,165	-	-	-
Total Personnel Benefits		198,824	304,691	389,457	317,328	340,550	356,420

Expenses

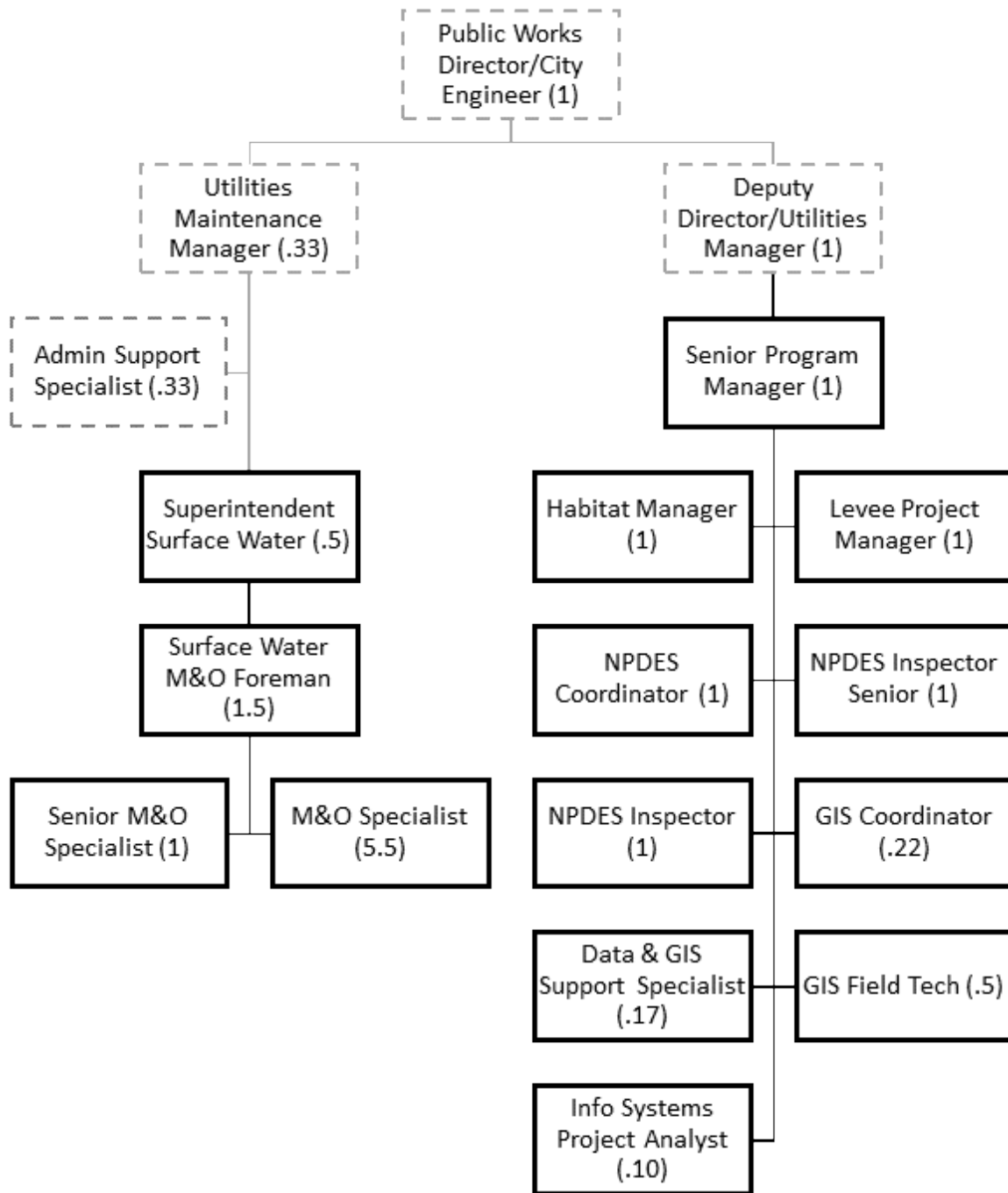
GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW402800-531001	Office Supplies	-	65	149	-	100	100
PW402800-531002	Printing Supplies	81	310	162	-	100	100
PW402800-531003	Operating Supplies	17,297	1,204	8,011	11,600	3,000	3,000
PW402800-531012	Billing Supplies	1,865	2,687	-	3,000	3,000	3,000
PW402800-532000	Repairs & Maint Supplies	4,453	2,097	-	5,000	-	-
PW402800-532001	Repair Supplies	-	198	1,497	-	9,600	9,600
PW402800-532002	Maintenance Supplies	17	5,922	1,332	-	-	-
PW402800-532003	Safety Supplies	2,878	1,518	399	3,000	3,000	3,000
PW402800-532005	Chemicals/Fertilizers	68	-	-	-	-	-
PW402800-532007	Cleaning & Janitorial Supplies	-	-	602	-	-	-
PW402800-532008	Pump Station Repair Supplies	-	-	6,732	-	5,000	5,000
PW402800-535000	Small Tool & Minor Equipment	171	958	-	2,500	-	-
PW402800-535001	Equipment	-	-	-	-	2,500	2,500
PW402800-535002	Power Tools	392	-	-	-	-	-
PW402800-535003	Office Equipment	-	-	310	-	-	-
PW402800-535004	Traffic Control Devices/Tools	1,354	-	1,753	2,500	2,500	2,500
PW402800-536001	Computer peripherals	343	-	-	-	2,500	2,500
PW402800-537002	Supplies added to vehicles	-	-	256	-	-	-
PW402800-539003	Metro Sewage Treatment	4,658,117	4,173,212	4,690,000	5,225,000	5,525,960	5,830,000
PW402801-531003	Operating Supplies	371	-	-	-	-	-
PW402801-532003	Safety Supplies	-	-	443	-	-	-
PW402801C-531003	Operating Supplies	-	-	-	-	-	-
		-	-	-	-	-	-
<b>Total Supplies</b>		<b>4,687,408</b>	<b>4,188,171</b>	<b>4,711,647</b>	<b>5,252,600</b>	<b>5,557,260</b>	<b>5,861,300</b>
PW402800-541000	Professional Services	-	44	-	2,000	-	-
PW402800-541007	Contracted Services	-	-	-	-	7,000	7,000
PW402800-541010	Inspection Services & Permits	405	495	-	-	-	-
PW402800-541020	Insurance-Property	-	-	-	-	-	-
PW402800-541026	Employee screening/testing	759	161	347	400	500	500
PW402800-541030	Insurance-Liability	11,375	9,329	22,607	9,939	28,937	34,724
PW402800-542001	Telephone/Alarm/Cell Service	7,975	7,607	7,829	6,300	6,900	6,900
PW402800-542002	Postage/Shipping Costs	92	-	29	-	100	100
PW402800-542004	Printing & Binding Services	-	-	2,362	-	-	-
PW402800-543001	Memberships	248	318	-	-	-	-
PW402800-543002	Registrations	1,288	120	1,192	-	4,000	4,000
PW402800-543003	Meals-Prof Dev related	-	-	106	-	500	500
PW402800-543005	Mileage	-	-	64	-	500	500
PW402800-543006	Certifications & Licenses	1,499	850	-	-	-	-
PW402800-544000	Advertising	-	-	-	-	-	-
PW402800-545000	Operating Rentals & Leases	16	147	13	2,000	-	-
PW402800-545094	Fleet rental/repl funding	74,230	44,039	31,817	31,817	22,916	-
PW402800-545999	Operating Rentals & Leases	-	-	-	-	2,000	2,000
PW402800-546001	Software Maintenance Contract	13,098	12,472	22,448	2,000	15,000	15,000
PW402800-547000	General Utilities	-	-	-	-	-	-
PW402800-547021	Electric Utility	15,764	17,722	19,282	21,000	22,050	22,050
PW402800-547025	Water/Sewer Utility	18,358	21,500	18,939	23,500	25,380	25,380
PW402800-547028	Solid Waste Disposal	-	52	-	3,000	3,000	3,000
PW402800-548000	Repair & Maint Services	10,428	-	-	35,000	-	-
PW402800-548001	Repair services	965	3,038	1,896	-	30,000	30,000
PW402800-548002	Maintenance Services	-	3,787	-	-	-	-
PW402800-548004	Radios/Telemetry Maint	5,906	-	1,917	10,000	10,000	10,000
PW402800-548095	Fleet Oper and Maint costs	28,518	47,864	46,802	46,802	37,567	38,789
PW402800-549000	Miscellaneous Expenses	-	-	-	5,000	-	-
PW402800-549002	Credit Card Fees	71,690	102,053	87,781	88,000	88,000	92,000
PW402800-549007	Excise Taxes & Other Assessmnt	121,171	136,174	104,490	200,000	200,000	200,000
PW402800-549010	Business Meals (non Prof Dev)	36	72	-	2,000	2,000	2,000
PW402800-549012	Bank Fees	-	-	-	-	-	-
PW402800-549013	Utility One-Call Service	557	529	449	700	700	700
PW402800-549054	Interfund Taxes & Oper Assmnts	844,181	942,769	999,000	1,021,000	1,052,230	1,138,000
PW402801-541000	Professional Services	131,211	272,546	-	-	-	-

Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW402801-541007	Contracted Services	-	-	-	-	217,000	350,000
PW402801-543001	Memberships	173	-	-	-	-	-
PW402801-543002	Registrations	(123)	-	-	-	-	-
PW402801-544001	Legal & Public Notices	1,493	1,434	-	-	-	-
PW402801-546001	Software Maintenance Contract	-	2,100	-	-	-	-
PW402801-548000	Repair & Maint Services	247,801	351,674	-	-	-	-
PW402801-548001	Repair services	-	-	-	-	1,050,000	1,100,000
PW402801C-541000	Professional Services	1,843	(213,686)	8,532	815,000	-	-
PW402801C-541006	Consulting Services	32,290	182,917	-	-	-	-
PW402801C-541007	Contracted Services	2,752	109,271	200,000	-	-	-
PW402801C-544001	Legal & Public Notices	508	1,256	-	-	-	-
PW402801C-548000	Repair & Maint Services	(266,654)	31,725	-	-	-	-
PW402801C-548002	Maintenance Services	266,654	17,671	-	-	-	-
Total Services & Passthrough Pmts		1,646,509	2,108,050	1,577,901	2,325,458	2,826,280	3,083,143
PW402801C-564000	Machinery & Equipment	-	39,050	25,101	-	-	-
PW402801C-565000	Construction Projects	-	1,001,768	1,800,000	2,050,000	1,300,000	1,850,000
Total Capital Expenditures		-	1,040,818	1,825,101	2,050,000	1,300,000	1,850,000
PW402800-750195	Transfer Out for 1% Arts	13,000	24,500	-	20,500	-	-
PW402800-750400	Transfer Out to Util Fds	2,973	-	-	-	-	-
PW402801-750195	Transfer Out for 1% Arts	-	-	20,500	-	26,000	5,000
PW402801-750208	Transfer Out to 208	72,378	76,399	145,749	145,749	145,607	145,773
PW402801-750219	Transfer Out to 219	24,938	25,050	54,327	54,327	54,343	54,312
PW402801-750306	Transfer Out to 306	-	623,500	57,000	-	380,000	190,000
PW402801-581200	Interfund Loan Disbursed	-	-	950,000	-	-	-
Total Transfers Out		113,289	749,449	1,227,576	220,576	605,949	395,084
PWTFL402-578069	PW 04-691-069 PRINCIPAL	192,261	192,261	192,261	192,261	192,261	192,261
PWTFL402-578075	PC13-961-075 PRIN	41,175	41,175	41,175	41,175	41,175	41,175
PWTFL402-583069	Pw-04-691-069 Interest	3,925	3,605	2,894	2,894	1,923	961
PWTFL402-583075	Pc13-961-075 Interest	(326)	2,556	2,265	2,265	2,059	1,853
REV15SWR-572000	Revenue Bond	97,101	97,450	100,769	100,769	100,787	103,765
REV15SWR-583357	Interest On Long-Term External	19,230	14,280	12,190	12,190	9,832	7,474
REV15SWR-588350	Amortization Costs	2,631	2,631	-	-	-	-
Total Debt Service Payments		355,996	353,959	351,554	351,554	348,036	347,489
PW402800-750190	Transfer Out ICA	522,167	588,149	594,031	594,031	623,733	654,920
Total Expenditures		\$ 7,969,516	\$ 10,048,330	\$ 11,555,168	\$ 11,832,949	\$ 12,549,000	\$ 13,570,855



## Public Works – Surface Water



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**DEPARTMENT:** Public Works  
**FUND:** Surface Water  
**RESPONSIBLE MANAGER:** Hari Ponnekanti

**FUND NUMBER:** 412  
**POSITION:** Public Works Director

### **Description**

The surface water program provides for engineering studies, preliminary engineering, construction, and maintenance of public surface water and drainage facilities to include control and monitoring of storm and surface water quantity and quality. The Green River Basin management agreement and the Green River levees are also included in this program. The costs of operating and maintaining the system are included with the capital projects necessary for system improvements.

### **2021 - 2022 Accomplishments**

- ◆ Completed Small Drainage Project identified on the approved list for 2020, 2021 and 2022. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Continued development of the GIS as-builts of city infrastructure that complies with NPDES. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Substantially constructed Riverton Creek Flap Gate Removal. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Began the ongoing Green the Green Program along the Duwamish River. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Completed construction of the East Marginal Way S Stormwater Outfalls. **Strategic Goal 1. Utility Comp Plan Goal 12.1**
- ◆ Began design of the Gilliam Creek Fish Barrier Removal Project. **Strategic Goal 1. Utility Comp Plan Goal 12.1**

### **2023 - 2024 Outcome Goals**

- ◆ Improve surface water system efficiency.
- ◆ Improve surface water system reliability.
- ◆ Improve surface water system capacity.

### **2023 - 2024 Indicators of Success**

- ◆ Complete small drainage projects identified on the approved list for 2023 and 2024.
- ◆ Continue development of the GIS as-builts of City infrastructure that complies with NPDES.
- ◆ Construct Storm Water Quality Retrofit Projects.
- ◆ Continue the Green the Green Program along the Duwamish River.
- ◆ Begin design of Nelsen Side Channel Project.

## Statistics

	Actual 2020	Actual 2021	Estimated 2022	Projected	
				2023	2024
<b>Maintain &amp; Improve surface water system</b>					
Number of linear feet TV inspected	2,795	5,940	10,000	10,000	10,000
Number of linear feet of storm lines cleaned	1,455	6,190	12,000	12,000	12,000
Number of linear feet of ditches cleaned	7,524	1,411	2,000	2,000	2,000
Number of manholes/catch basins/or stormceptors cleaned	1,002	412	1,500	1,500	1,500
Number of catch basins/manholes inspected	2,310	2,671	2,363	3,660	2,363
Number of flow control/BMP facilities inspected	95**	72	72	80	80
Number of times cleaned Station 16 water quality pond	Once/yr	Once/yr	Once/yr	Once/yr	Once/yr
Number of times cleaned 42nd Ave water quality pond	Three/yr	Three/yr	Three/yr	Three/yr	Three/yr
Number of times cleaned Foster Park water quality pond	Three/yr	Three/yr	Three/yr	Three/yr	Three/yr
Number of times cleaned Cascade Glen water quality pond	Twice/yr	Twice/yr	Twice/yr	Twice/yr	Twice/yr
Number of times cleaned large pot type water quality vaults	Once/yr	Once/yr	Once/yr	Once/yr	Once/yr
Number of times clean 10 large trash racks	250	250	250	250	250
<b>Capital</b>					
Hours of 5 storm lift stations monitoring of pump hours, start counts, and generator operation (weekly)	5	5	5	5	5
<b>NPDES (National Pollutant Discharge Elimination System)</b>					
*Number of illicit discharge events	7	10	12	10	12
<b>Customers</b>					
Number of surface water customers	5,261	5,278	5,300	5,345	5,345
Number of catchbasins/manholes	6,023	6,023	6,040	6,050	6,050
Number of flow control/BMP facilities	95	72**	72**	80	80
Number of total drainage system miles	97	111	85	82	85

\* COVID-19 impacted this statistic

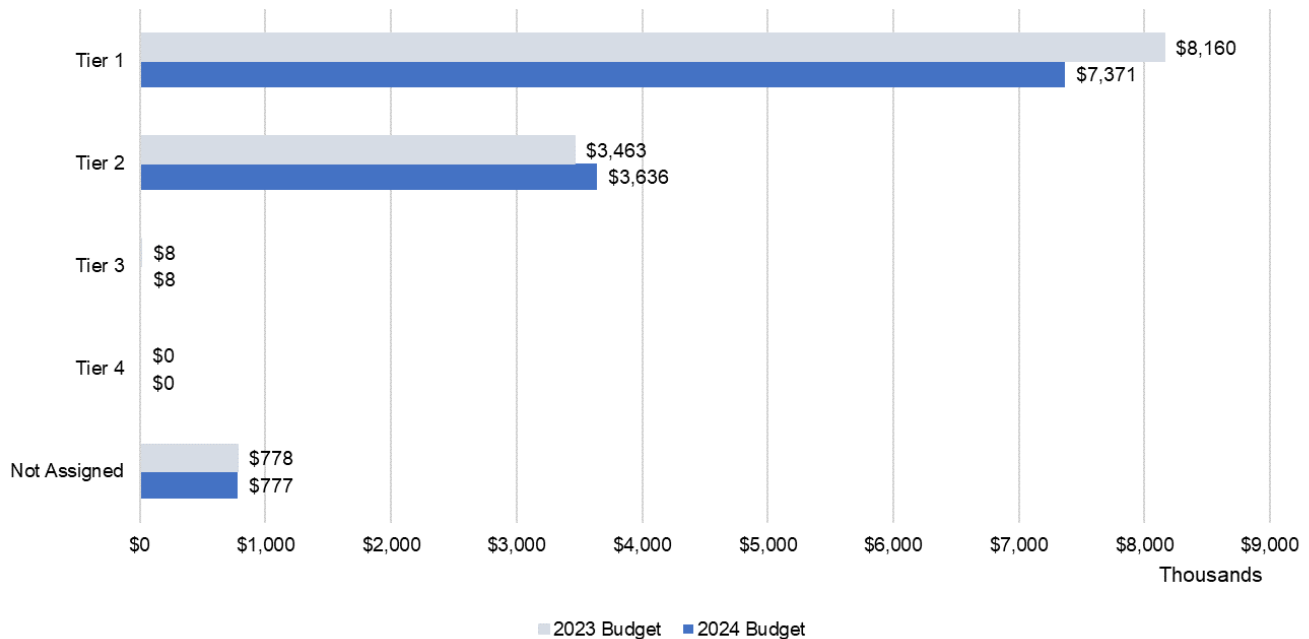
\*\*23 of the facilities that were mapped as public were found to be private. That's why 2021 has 72 facilities

## Fund Detail

## Staffing and Expenditure by Program

Program Description	Tier	Legally Required (Y/N)	Type of Program	FTE Allocation	2023 Budget	FTE Allocation	2024 Budget	% Change
								2023-2024
Projects & Capital Impr Mgmt	1	N - Best Practice	Community	1.625	7,887,893	1.625	7,089,356	-10.12%
Levees	1	Y - Federal/State	Community	1.000	178,057	1.000	186,700	4.85%
Pump Station Monitor/Maint	1	Y - Federal/State	Community	0.025	94,519	0.025	94,622	0.11%
<b>1 - Total</b>				<b>2.650</b>	<b>8,160,470</b>	<b>2.650</b>	<b>7,370,678</b>	<b>-9.68%</b>
Administration	2	Y - Federal/State	Governance	0.450	728,731	0.450	764,387	4.89%
GIS	2	Y - City Code	Governance	1.845	258,053	1.845	273,326	5.92%
Ditches, Ponds, Bioswale	2	Y - Federal/State	Community	0.900	168,131	0.900	174,637	3.87%
Manholes/Catchbasins	2	N - Best Practice	Community	1.875	287,215	1.875	301,185	4.86%
NPDES	2	Y - Federal/State	Community	4.175	622,355	4.175	655,846	5.38%
Outfall/Flap Gates/Trash racks	2	N - Best Practice	Community	1.550	218,521	1.550	230,002	5.25%
Surface Water Mains	2	Y - Federal/State	Community	1.875	276,745	1.875	290,032	4.80%
Utilities/Surface Water	2	Y - City Code	Governance	-	903,241	-	946,896	4.83%
<b>2 - Total</b>				<b>12.670</b>	<b>3,462,993</b>	<b>12.670</b>	<b>3,636,313</b>	<b>5.00%</b>
Professional Dev & Training	3	Y - Ordinance/Resolution	Governance	-	740	-	740	-
Mandatory Training	3	Y - Federal/State	Governance	-	7,250	-	7,250	-
<b>3 - Total</b>				<b>-</b>	<b>7,990</b>	<b>-</b>	<b>7,990</b>	<b>-</b>
Not Assigned to any program	5	Not Applicable	Governance	-	777,971	-	777,128	-0.11%
<b>5 - Total</b>				<b>-</b>	<b>777,971</b>	<b>-</b>	<b>777,128</b>	<b>-0.11%</b>
<b>Grand Total</b>				<b>15.320</b>	<b>12,409,424</b>	<b>15.320</b>	<b>11,792,110</b>	<b>-4.97%</b>

### Programs by Tier



## Program Descriptions

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Administration – General functions for standard operations of the department, including purchasing, timecards, budget development and oversight, culture and internal communications, recruiting and hiring, employee supervision and performance evaluations.

Professional Dev & Training – Development of operational and strategic knowledge and skills to support staff development and better outcomes for the community and organization.

Mandatory Training – Trainings required by Federal, State, Local laws and/or City of Tukwila organizational policy.

Projects & Capital Improvement Management – Planning and executing community infrastructure investment

GIS – Includes staff time and consultant services to maintain the geographic information system (GIS) data necessary for customer inquiries, daily operations and infrastructure maintenance.

Ditches, Ponds, Bioswale – Staff time and supplies for maintenance of surface water ditches, ponds, and bioswales by the City's surface water crew

Levees – Management of the City's 205 Levee and cooperation with FEMA and King County Flood Control District.

Manholes/Catchbasins – Staff time for maintenance and supplies for City's manholes/catch basins. Includes using the Vactor truck and costs for proper disposal of drainage waste

NPDES – Includes staff time and supplies to adhere to the requirements under Surface Water's National Pollutant Discharge Elimination System (NPDES) Permit. Includes annual reporting, public education and outreach, staff training, and inspections of public and private systems. Includes staff response to illicit discharge events in City's right-of-way.

Outfall/Flap Gates/Trash racks – Outfalls, Flap Gates, and Trash racks-Staff time and supplies for maintenance of surface water outfalls, flap gates, and trash racks by the City's surface water crew. Includes all staff time for monitoring the Green/Duwamish River in high water events

Pump Station Monitor/Maintenance – Covers all work at the City's surface water/sewer pump stations, which includes monitoring and maintenance

Surface Water Mains – Staff time for maintenance and supplies for City surface water mains

Utilities/Surface Water – Staff time and supplies for surface water main maintenance and replacement by the City's crew.

## Revenue and Expense Summary

SURFACE WATER MANAGEMENT FUND								
	Actual			Budget			Percent Change	
	2020	2021	Projected 2022	2022	2023	2024	2022-2023	2023-2024
Operating Revenue								
Surface Water Sales	\$ 6,925,263	\$ 7,021,365	\$ 7,389,873	\$ 7,350,000	\$ 7,717,500	\$ 8,103,375	5.0%	5.0%
Grant Revenues	201,303	340,755	496,775	381,000	2,176,000	1,328,000	471.1%	-39.0%
Other Income	889,664	1,201,842	31,430	2,748,000	1,444,000	1,620,000	-47.5%	12.2%
Investment Earnings	26,578	5,783	8,516	30,000	30,000	30,000	0.0%	0.0%
<b>Total Operating Revenue</b>	<b>8,042,808</b>	<b>8,569,744</b>	<b>7,926,593</b>	<b>10,509,000</b>	<b>11,367,500</b>	<b>11,081,375</b>	<b>8.2%</b>	<b>-2.5%</b>
Operating Expenses								
Salaries & Wages	1,081,403	1,132,676	1,218,499	1,241,759	1,555,045	1,653,686	25.2%	6.3%
Benefits	511,411	547,180	555,193	569,167	700,378	720,938	23.1%	2.9%
Supplies	19,678	6,323	20,560	86,000	20,300	20,300	-76.4%	0.0%
Repair & Maintenance Supplies	1,723	19,832	1,288	1,500	17,500	17,500	1066.7%	0.0%
Small Tools	1,620	3,637	8,225	6,500	6,500	6,500	0.0%	0.0%
Technology Supplies	58	1,570	792	-	500	500	0.0%	0.0%
Fleet Supplies	-	-	256	-	-	-	0.0%	0.0%
Professional Services	1,066,688	786,543	484,381	2,680,014	4,103,137	2,552,924	53.1%	-37.8%
Communications	8,028	6,408	6,767	7,000	7,100	7,100	1.4%	0.0%
Professional Development	5,071	2,703	13,590	-	7,990	7,990	0.0%	0.0%
Advertising	2,897	1,777	5,947	-	-	-	0.0%	0.0%
Rentals	299,826	175,677	126,377	130,343	4,000	4,000	-96.9%	0.0%
Technology Services	6,312	10,008	18,245	-	3,000	3,000	0.0%	0.0%
Utilities	61,244	51,221	89,415	87,020	90,685	90,685	4.2%	0.0%
Repairs & Maintenance Services	190,190	207,735	115,368	145,927	59,000	59,000	-59.6%	0.0%
Other Expenses	789,214	804,170	840,865	835,725	862,475	901,025	3.2%	4.5%
Capital-Land	4,739	-	-	-	-	-	0.0%	0.0%
Other Capital Improvements	-	-	3,237	-	900,000	900,000	0.0%	0.0%
Machinery & Equipment	-	-	5,140	-	-	-	0.0%	0.0%
Construction Projects	1,269,108	2,683,638	2,792,000	4,613,000	1,687,000	2,900,000	-63.4%	71.9%
Principal	289,746	278,217	279,360	279,360	278,863	279,439	-0.2%	0.2%
Interest Expense	9,095	8,107	6,249	6,249	4,497	2,743	-28.0%	-39.0%
Transfers Out	247,534	564,254	665,866	524,866	1,441,612	971,945	174.7%	-32.6%
<b>Total Operating Expenses</b>	<b>5,865,587</b>	<b>7,291,673</b>	<b>7,257,620</b>	<b>11,214,430</b>	<b>11,749,582</b>	<b>11,099,276</b>	<b>4.8%</b>	<b>-5.5%</b>
Indirect Cost Allocation	684,699	622,199	628,421	628,421	659,842	692,834	5.0%	5.0%
<b>Total Non Operating Expenses</b>	<b>684,699</b>	<b>622,199</b>	<b>628,421</b>	<b>628,421</b>	<b>659,842</b>	<b>692,834</b>	<b>5.0%</b>	<b>5.0%</b>
<b>Total Expenses</b>	<b>6,550,286</b>	<b>7,913,872</b>	<b>7,886,041</b>	<b>11,842,851</b>	<b>12,409,424</b>	<b>11,792,110</b>	<b>4.8%</b>	<b>-5.0%</b>
Beginning Fund Balance	3,755,424	5,247,946	5,903,817	5,903,817	5,944,369	4,902,446	0.7%	-17.5%
Change in Fund Balance	1,492,522	655,872	40,552	(1,333,851)	(1,041,924)	(710,735)	-21.9%	-31.8%
<b>Ending Fund Balance</b>	<b>\$ 5,247,946</b>	<b>\$ 5,903,817</b>	<b>\$ 5,944,369</b>	<b>\$ 4,569,966</b>	<b>\$ 4,902,446</b>	<b>\$ 4,191,711</b>	<b>7.3%</b>	<b>-14.5%</b>

## Capital Projects

The capital projects listed below are capital projects planned for the 2023 - 2024 biennium. The year in which the project is estimated to be completed has been provided. Additional information on the projects may be found in the Capital Improvement Program section of the budget.

Capital Project	2023 cost	2024 cost	Anticipated Completion
Annual Small Drainage Program	\$ 900,000.00	\$ 900,000.00	N/A
Storm Water Quality Retrofit Program	\$ 1,620,000.00	\$ 100,000.00	N/A
NPDES Program	\$ 60,000.00	\$ 60,000.00	N/A
Regional Surface Water Partnerships	\$ 75,000.00	\$ 75,000.00	N/A
Green the Green Program	\$ 185,000.00	\$ 180,000.00	N/A
Gilliam Creek Fish Barrier Removal	\$ 600,000.00	\$ 650,000.00	2026
Tukwila 205 Levee Certification	\$ 650,000.00	\$ 650,000.00	N/A
Nelsen Side Channel	\$ 600,000.00	\$ 300,000.00	2025
Surface Water Comprehensive Plan	\$ 165,000.00	\$ -	2023
S 131st PI Drainage Improvements	\$ 671,000.00	\$ 2,400,000.00	2024
Chinook Wind Public Access	\$ 422,000.00	\$ -	2023
Chinook Wind Extension	\$ 150,000.00	\$ 150,000.00	2026
Surface Water GIS Inventory	\$ 47,000.00	\$ -	2023
Northwest Gilliam Storm Drainage System	\$ 100,000.00	\$ 840,000.00	2024
Duwamish Rvrbk Stabilization at S 104th St	\$ 150,000.00	\$ -	2026
Duwamish Hill Preserve	\$ 370,000.00	\$ -	2025
Soils Reclamation Facility	\$ 551,000.00	\$ -	2026
<b>Total Capital Projects</b>	<b>\$ 7,316,000.00</b>	<b>\$ 6,305,000.00</b>	

## Salary and Benefit Details

<b>Surface Water</b>							
<b>Position Description</b>	<b>2022</b>	<b>2023</b>	<b>2023 Budget</b>		<b>2024</b>	<b>2024 Budget</b>	
	<b>FTE</b>	<b>FTE</b>	<b>Salaries</b>	<b>Benefits</b>	<b>FTE</b>	<b>Salaries</b>	<b>Benefits</b>
Maint & Ops Superintendent	0.5	0.5	\$ 30,975	\$ 17,714	0.5	\$ 32,622	\$ 18,125
Maint & Ops Foreman	1.5	1.5	152,076	74,535	1.5	160,158	76,407
Maint & Ops Specialist	5.5	5.5	474,874	255,222	5.5	510,186	263,032
Senior Program Manager	1	1	146,880	56,958	1	154,752	58,613
NPDES Coordinator	1	1	124,500	46,925	1	131,088	48,420
Senior NPDES Inspector	1	1	100,572	35,345	1	105,960	36,592
Junior NPDES Inspector	0	1	80,460	46,724	1	89,016	48,531
Sr Maint & Ops Specialist	1	1	94,044	49,189	1	99,073	50,361
Habitat Project Manager	1	1	130,668	37,488	1	137,724	39,076
Levee Project Manager	1	1	130,668	45,389	1	137,724	46,976
Information Systems Project Analyst	0.1	0.1	13,217	5,411	0.1	13,922	5,560
GIS Coordinator	0.22	0.22	25,497	9,504	0.22	26,851	9,790
GIS Field Tech	0	0.5	37,614	13,614	0.5	41,610	14,462
Overtime			13,000	3,110		13,000	1,743
Clothing Allowance				3,250			3,250
<b>Department Total</b>	<b>13.82</b>	<b>15.32</b>	<b>\$ 1,555,045</b>	<b>\$ 700,378</b>	<b>15.32</b>	<b>\$ 1,653,686</b>	<b>\$ 720,938</b>



## Debt Service Requirements

The following chart provides information on debt service requirements, by debt issue, for the biennium.

Debt Service	Project	Budget	
		2023	2024
<b>2015 Revenue Bonds</b>	<b>Allentown Phase II</b>		
Principal		\$ 19,507	\$ 20,084
Interest		1,903	1,447
	Total	<b>21,410</b>	<b>21,531</b>
<b>PWTFL 2004</b>	<b>Allentown Phase II</b>		
Principal		37,212	37,212
Interest		372	186
	Total	<b>37,584</b>	<b>37,398</b>
<b>PWTFL 2004</b>	<b>Cascade View</b>		
Principal		222,144	222,144
Interest		2,221	1,111
	Total	<b>224,365</b>	<b>223,255</b>
<b>Public Safety Plan</b>	<b>Public Works Shops</b>		
<b>2018 Bond Issuance</b>			
Debt Service in Lieu of Rent		360,185	360,596
	Total	<b>360,185</b>	<b>360,596</b>
<b>Public Safety Plan</b>	<b>Public Works Shops</b>		
<b>2019 Bond Issuance</b>			
Debt Service in Lieu of Rent		134,427	134,350
	Total	<b>134,427</b>	<b>134,350</b>
Total Principal		278,863	279,440
Total Interest		4,496	2,744
Total Debt Service in Lieu of Rent		494,612	494,946
<b>Total Debt Service</b>		<b>\$ 777,971</b>	<b>\$ 777,130</b>

## General Ledger Code Details

### Revenues

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
Operating Revenues							
PW412380-333219	Dept Of Treasury-Cares Act	\$ 4,346	\$ -	\$ -	\$ -	\$ -	\$ -
PW412380-343100	SSWM Regular Monthly Charges	6,923,235	7,021,365	7,389,795	7,350,000	7,717,500	8,103,375
PW412380-343110	Lein Fees	2,028	-	78	-	-	-
PW412380-361110	Investment Interest	26,578	5,783	8,516	30,000	30,000	30,000
PW412380-361400	Interest on Receivables	2,880	2,354	15,240	20,000	20,000	20,000
PW412380-367110	Gifts & Bequests Pvt Sources	12,500	-	-	-	-	-
PW412380-369900	Other Revenues	1,981	-	-	-	-	-
Total Operating Revenues		6,973,548	7,029,502	7,413,628	7,400,000	7,767,500	8,153,375
Capital Project Revenues							
PW412301-334038	NPDES Grant	33,318	48,404	50,000	64,000	64,000	64,000
PW412301-337704	KC Ntrl Res & Pks-S 180 Flood	-	-	-	117,000	-	-
PW412301-337734	Kcfcdz-Opportunity Funds	-	-	89,125	150,000	-	-
PW412301-337735	KCFCD-Green the Green Revegitan	63,639	13,226	86,774	50,000	50,000	50,000
PW412301-337736	KCFCD-Riverton Flaggate Rmvl	100,000	279,125	(139,125)	-	-	-
PW412301-337737	King Co Flood Control District	-	-	410,000	-	2,062,000	1,214,000
PW412301-374027	CapContr-RCO State Grant	-	-	-	-	126,000	-
PW412301-374031	Capital Contribution-DOE Grant	-	-	-	2,160,000	1,298,000	1,600,000
PW412301-375114	Dept of Comm-Riverton Flaggate	211,764	31,285	-	-	-	-
PW412301C-374027	CapContr-RCO State Grant	472,316	74,472	125,969	568,000	-	-
PW412301C-374031	Capital Contribution-DOE Grant	188,223	1,093,730	(109,778)	-	-	-
Total Capital Project Revenues		1,069,259	1,540,242	512,965	3,109,000	3,600,000	2,928,000
Total Revenues		\$ 8,042,808	\$ 8,569,744	\$ 7,926,593	\$ 10,509,000	\$ 11,367,500	\$ 11,081,375

### Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW412380-549000	Miscellaneous Expenses	\$ -	\$ 334	\$ -	\$ 8,000	\$ -	\$ -
PW412380-549007	Excise Taxes & Other Assessmnt	92,652	97,635	100,000	85,000	85,000	85,000
PW412380-549010	Business Meals (non Prof Dev)	851	405	352	2,000	2,000	2,000
PW412380-549012	Bank Fees	2,340	2,106	1,287	-	-	-
PW412380-549013	Utility One-Call Service	557	529	449	725	725	725
PW412380-549054	Interfund Taxes & Oper Assmnts	692,814	702,372	738,777	740,000	774,750	813,300
Total Services & Passthrough Pmts		2,429,471	2,046,241	1,700,954	3,886,029	5,137,387	3,625,724

Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW412301C-561000	Land	4,739	-	-	-	-	-
PW412301C-563000	Other Improvements	-	-	3,237	-	900,000	900,000
PW412301C-564000	Machinery & Equipment	-	-	5,140	-	-	-
PW412301C-565000	Construction Projects	1,269,108	2,683,638	2,792,000	4,613,000	1,687,000	2,900,000
Total Capital Expenditures		1,273,847	2,683,638	2,800,377	4,613,000	2,587,000	3,800,000
PW412301-750195	Transfer Out for 1% Arts	5,950	7,800	29,940	29,940	7,000	7,000
PW412301-750208	Transfer Out to 208	176,924	188,987	360,537	360,537	360,185	360,596
PW412301-750219	Transfer Out to 219	61,687	61,967	134,389	134,389	134,427	134,350
PW412301-750306	Transfer Out to 306	-	305,500	141,000	-	940,000	470,000
PW412301-750400	Transfer Out to Util Fds	2,973	-	-	-	-	-
Total Transfers Out		247,534	564,254	665,866	524,866	1,441,612	971,945
PWTFL412-578064	PW-01-691-064 VAL VUE PRIN	11,597	-	-	-	-	-
PWTFL412-578069	PW 04-691-069 PRINCIPAL	37,212	37,212	37,712	37,712	37,212	37,212
PWTFL412-578070	PW 04-691-070 PRIN	222,144	222,144	222,144	222,144	222,144	222,144
PWTFL412-583064	Pw-01-691-064 Val Vue Interest	87	(29)	-	-	-	-
PWTFL412-583069	Pw-04-691-069 Interest	760	698	558	558	372	186
PWTFL412-583070	Pw-04-691-070 Interest	4,535	4,165	3,332	3,332	2,221	1,111
REV15SWM-572000	Revenue Bond	18,794	18,861	19,504	19,504	19,507	20,084
REV15SWM-583387	2015 Refunding Bond Interest	3,241	-	2,359	2,359	1,903	1,447
REV15SWM-588380	Amortization Costs	509	509	-	-	-	-
REV15SWM-588387	Amortization Costs	(37)	2,764	-	-	-	-
Total Debt Service Payments		298,841	286,324	285,609	285,609	283,360	282,183
PW412380-750190	Transfer Out ICA	684,699	622,199	628,421	628,421	659,842	692,834
Total Expenses		\$ 6,550,286	\$ 7,913,872	\$ 7,886,041	\$ 11,842,851	\$ 12,409,424	\$ 11,792,110

Expenses

GL Account Code	Account Description	Actual		Projected	Budget		
		2020	2021	2022	2022	2023	2024
PW412380-549000	Miscellaneous Expenses	-	334	-	8,000	-	-
PW412380-549007	Excise Taxes & Other Assessmnt	92,652	97,635	100,000	85,000	85,000	85,000
PW412380-549010	Business Meals (non Prof Dev)	851	405	352	2,000	2,000	2,000
PW412380-549012	Bank Fees	2,340	2,106	1,287	-	-	-
PW412380-549013	Utility One-Call Service	557	529	449	725	725	725
PW412380-549054	Interfund Taxes & Oper Assmnts	692,814	702,372	738,777	740,000	774,750	813,300
Total Services & Passthrough Pmts		2,429,471	2,046,241	1,700,954	3,886,029	5,137,387	3,625,724
PW412301C-561000	Land	4,739	-	-	-	-	-
PW412301C-563000	Other Improvements	-	-	3,237	-	900,000	900,000
PW412301C-564000	Machinery & Equipment	-	-	5,140	-	-	-
PW412301C-565000	Construction Projects	1,269,108	2,683,638	2,792,000	4,613,000	1,687,000	2,900,000
Total Capital Expenditures		1,273,847	2,683,638	2,800,377	4,613,000	2,587,000	3,800,000
PW412301-750195	Transfer Out for 1% Arts	5,950	7,800	29,940	29,940	7,000	7,000
PW412301-750208	Transfer Out to 208	176,924	188,987	360,537	360,537	360,185	360,596
PW412301-750219	Transfer Out to 219	61,687	61,967	134,389	134,389	134,427	134,350
PW412301-750306	Transfer Out to 306	-	305,500	141,000	-	940,000	470,000
PW412301-750400	Transfer Out to Util Fds	2,973	-	-	-	-	-
Total Transfers Out		247,534	564,254	665,866	524,866	1,441,612	971,945
PWTFL412-578064	PW-01-691-064 VAL VUE PRIN	11,597	-	-	-	-	-
PWTFL412-578069	PW 04-691-069 PRINCIPAL	37,212	37,212	37,712	37,712	37,212	37,212
PWTFL412-578070	PW 04-691-070 PRIN	222,144	222,144	222,144	222,144	222,144	222,144
PWTFL412-583064	Pw-01-691-064 Val Vue Interest	87	(29)	-	-	-	-
PWTFL412-583069	Pw-04-691-069 Interest	760	698	558	558	372	186
PWTFL412-583070	Pw-04-691-070 Interest	4,535	4,165	3,332	3,332	2,221	1,111
REV15SWM-572000	Revenue Bond	18,794	18,861	19,504	19,504	19,507	20,084
REV15SWM-583387	2015 Refunding Bond Interest	3,241	-	2,359	2,359	1,903	1,447
REV15SWM-588380	Amortization Costs	509	509	-	-	-	-
REV15SWM-588387	Amortization Costs	(37)	2,764	-	-	-	-
Total Debt Service Payments		298,841	286,324	285,609	285,609	283,360	282,183
PW412380-750190	Transfer Out ICA	684,699	622,199	628,421	628,421	659,842	692,834
Total Expenditures		\$ 6,550,286	\$ 7,913,872	\$ 7,886,041	\$ 11,842,851	\$ 12,282,241	\$ 11,654,563

City of Tukwila  
**CAPITAL IMPROVEMENT PROGRAM**  
for  
2023 - 2028

**WATER ENTERPRISE FUND**  
**401**

CIP Page #	PROJECT TITLE	2023	2024	2025	2026	2027	2028	TOTAL	**Other Sources	After Six Years
55	S 152nd Street Waterline Extension & Replacer	1,880	0	0	0	0	0	1,880	0	0
56	Water Reservoir and Pump Station	0	750	1,000	3,000	4,600	0	9,350	9,350	7,000
57	Update GIS Water System Inventory	67	0	0	50	105	0	222	0	0
58	Smart Water Meters Upgrade	0	1,250	1,000	0	0	0	2,250	1250	0
59	S 149th St & S 150th St Watermain Replaceme	0	575	925	0	0	0	1,500	0	0
60	Annual Water Repair	0	100	200	400	500	0	1,200	0	1,500
61	Large Water Meters Replacement	50	150	150	150	100	100	700	0	200
62	Baker Blvd Water Main Replacement	0	0	0	0	150	2,500	2,650	1,225	0
	Strander Blvd Waterline Upgrade	0	0	0	0	0	0	0	0	3,450
	Allentown Phase III - Water Revitalization	0	0	0	0	0	0	0	0	1,650
	57th Ave S Waterline Replacement	0	0	0	0	0	0	0	0	975
	Southcenter Blvd Water Main Replacement	0	0	0	0	0	0	0	0	2,500
	S 140th St Waterline Replacement	0	0	0	0	0	0	0	0	1,225
	S 180th & W Valley Loop/Renton Turnover	0	0	0	0	0	0	0	0	2,550
	Foster Area Water Upgrade	0	0	0	0	0	0	0	0	2,750
	West Valley Hwy East Side Water Looping	0	0	0	0	0	0	0	0	2,200
	58th Ave S Water Main Replacement	0	0	0	0	0	0	0	0	1,450
	West Valley Deep Water Main Replacement	0	0	0	0	0	0	0	0	1,350
	65th Ave S Water Main Replacement	0	0	0	0	0	0	0	0	3,150
	49th Ave S Water Main Replacement	0	0	0	0	0	0	0	0	2,000
	S 180th St Water Main Replacement	0	0	0	0	0	0	0	0	1,232
	Evans Black Dr Water Main Replacement	0	0	0	0	0	0	0	0	780
	S 112 St Water Looping	0	0	0	0	0	0	0	0	1,140
	S 153rd St Water Main Replacement	0	0	0	0	0	0	0	0	350
	Corporate Dr S Water Main Replacement	0	0	0	0	0	0	0	0	560
	Ryan Hill Watermain Improvements	0	0	0	0	0	0	0	0	4,650
	Crystal Springs Intertie with Highline WD - 500 i	0	0	0	0	0	0	0	0	325
<b>Grand Total</b>		<b>1,997</b>	<b>2,825</b>	<b>3,275</b>	<b>3,600</b>	<b>5,455</b>	<b>2,600</b>	<b>19,752</b>	<b>11,825</b>	<b>39,692</b>

\*\* Denotes other funding sources, grants, or mitigation.

Changes from 2021 to 2023 CIP:

Additions  
S 149th St & S 150th St Watermain Replacement  
Large Water Meters Replacement  
Smart Water Meters Upgrade  
Annual Water Repair

Deleted:

Water Comp Plan Completed  
Macadam Road completed

Project sheets scheduled beyond 2028  
can be found in the City's website under  
Public Works Capital Improvement Program.

## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** S 152nd Street Waterline Extension & Replacement

Project No. 91640103

**DESCRIPTION:** Design and construct 2,000 LF of 12" ductile iron waterline in S 152nd Place from Macadam Rd. to Sunwood Blvd.

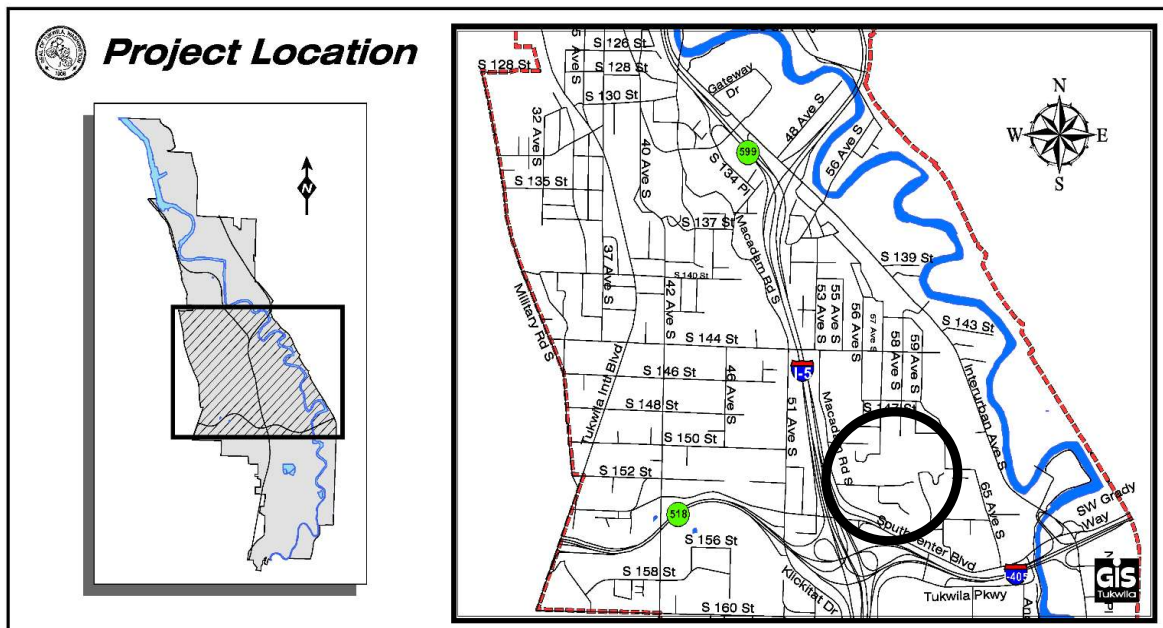
**JUSTIFICATION:** The proposed waterline will also meet fire flow requirements.

**STATUS:** Easement acquisitions will be needed.

**MAINT. IMPACT:** Reduce water quality issues by removing a dead-end and upsizing existing main.

**COMMENT:** Planned to be combined with S 152nd Street Waterline Replacement project.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design		195	130							325
Land (R/W)										0
Const. Mgmt.			250							250
Construction			1,500							1,500
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>195</b>	<b>1,880</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,075</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	195	1,880	0	0	0	0	0	0	2,075
<b>TOTAL SOURCES</b>	<b>0</b>	<b>195</b>	<b>1,880</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,075</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Water Reservoir and Pump Station

Project No. 91240102

**DESCRIPTION:** Design and construct a new 2.5 MG water reservoir with a pump station.

**JUSTIFICATION:** The Department of Health is requiring the City provide additional water storage. A pump station is needed for fire flow.

**STATUS:** Design funds will be used to update and expand the siting study Carollo completed in 2014 and updated in 2021.

**MAINT. IMPACT:** Additional staff will be needed to provide maintenance for the new reservoir and pumps.

**COMMENT:**

FINANCIAL (in \$000's)	Through		Estimated								
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL	
<b>EXPENSES</b>											
Design	7					500	500			1,007	
Land (R/W)				750	1,000					1,750	
Const. Mgmt.						500	500			1,000	
Construction						2,000	3,600		7,000	12,600	
<b>TOTAL EXPENSES</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>750</b>	<b>1,000</b>	<b>3,000</b>	<b>4,600</b>	<b>0</b>	<b>7,000</b>	<b>16,357</b>	
<b>FUND SOURCES</b>											
Awarded Grant										0	
Proposed Grant							1,000			1,000	
Bond				750	1,000	3,000	3,600			8,350	
Mitigation Expected										0	
Utility Revenue	7	0	0	0	0	0	0	0	7,000	7,007	
<b>TOTAL SOURCES</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>750</b>	<b>1,000</b>	<b>3,000</b>	<b>4,600</b>	<b>0</b>	<b>7,000</b>	<b>16,357</b>	

Location to be determined.

## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Update GIS Water System Inventory

Project No. 81640104

**DESCRIPTION:**

The Geographic Information System (GIS) water system inventory update will continue processing as-builts and survey data to improve the accuracy of the existing program utilized for construction and public records request.

**JUSTIFICATION:**

The GIS mapping will provide information on the water system that is easily accessible by City staff and the public. With GIS data, the City will be able to develop an asset management plan to determine the water assets needed to be upgraded or replaced.

**STATUS:**

Combined Asset Management System began in 2017 and has been ongoing since.

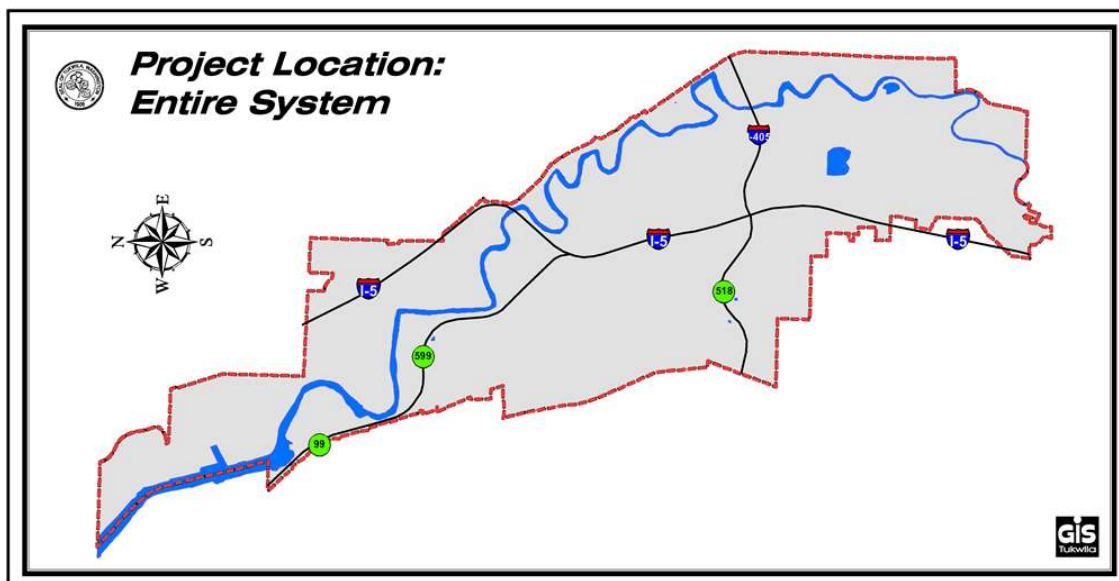
**MAINT. IMPACT:**

The survey will provide staff with up-to-date information on the location of water line features.

**COMMENT:**

CIP is part of a coordinated project with Sewer and Stormwater.

FINANCIAL (in \$000's)	Through		Estimated								TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
<b>EXPENSES</b>											
Design			67	0	0	50	50	0	300	467	
Land (R/W)										0	
Const. Mgmt.								5	5	10	
Construction								50	50	100	
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>105</b>	<b>0</b>	<b>355</b>	<b>577</b>	
<b>FUND SOURCES</b>											
Awarded Grant										0	
Proposed Grant										0	
Mitigation Actual										0	
Mitigation Expected										0	
Utility Revenue	0	0	67	0	0	50	105	0	355	577	
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>105</b>	<b>0</b>	<b>355</b>	<b>577</b>	





## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Smart Water Meters Upgrade

Project No. 92240101

**DESCRIPTION:** Upgrade the City's existing automatic meter reading (AMR) portable radio-based water system with an advanced metering infrastructure (AMI) fixed-based system.

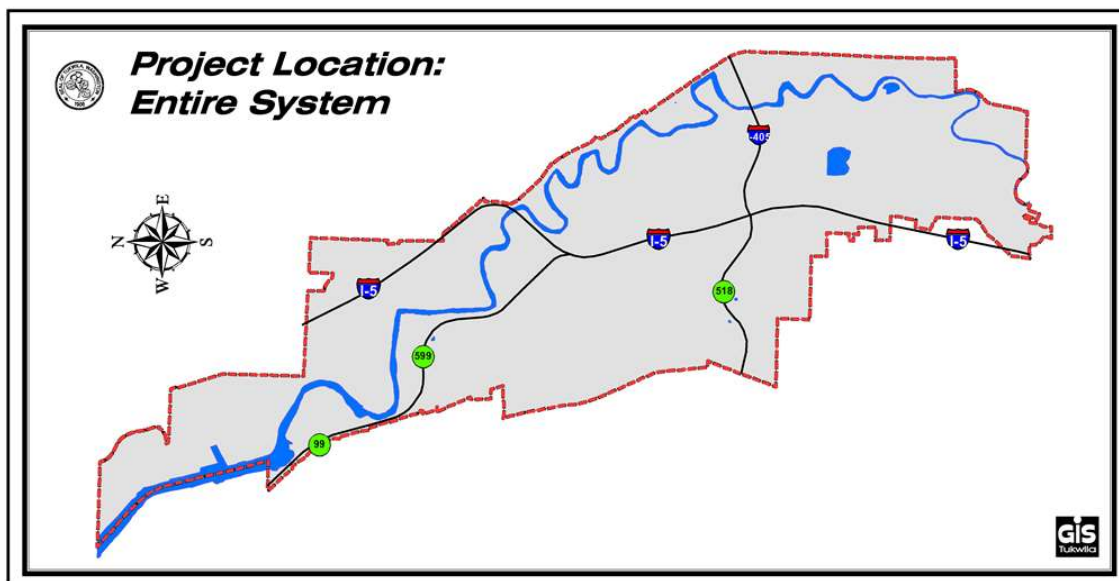
**JUSTIFICATION:** The new system will enable real-time alerts for leaks, reduce unaccounted-for water loss, and provide City staff with more data to make better decisions regarding operational and customer concerns.

**STATUS:** Project scheduled for 2024/2025.

**MAINT. IMPACT:** No impact on maintenance

**COMMENT:** Applied for WaterSMART grant in 2022 for 50% of project costs. Will continue to research and apply for other grant sources.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design				250						250
Land (R/W)										0
Const. Mgmt.				200	200					400
Construction				800	800					1,600
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,250</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,250</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant				687	563					1,250
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	0	563	437	0	0	0	0	1,000
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,250</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,250</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** S 149th and S 150th St Watermain Replacement Project No. 92340102

**DESCRIPTION:** Design and Construct 1,200 LF of 12" DI watermain along S 149th St and S 150th St.

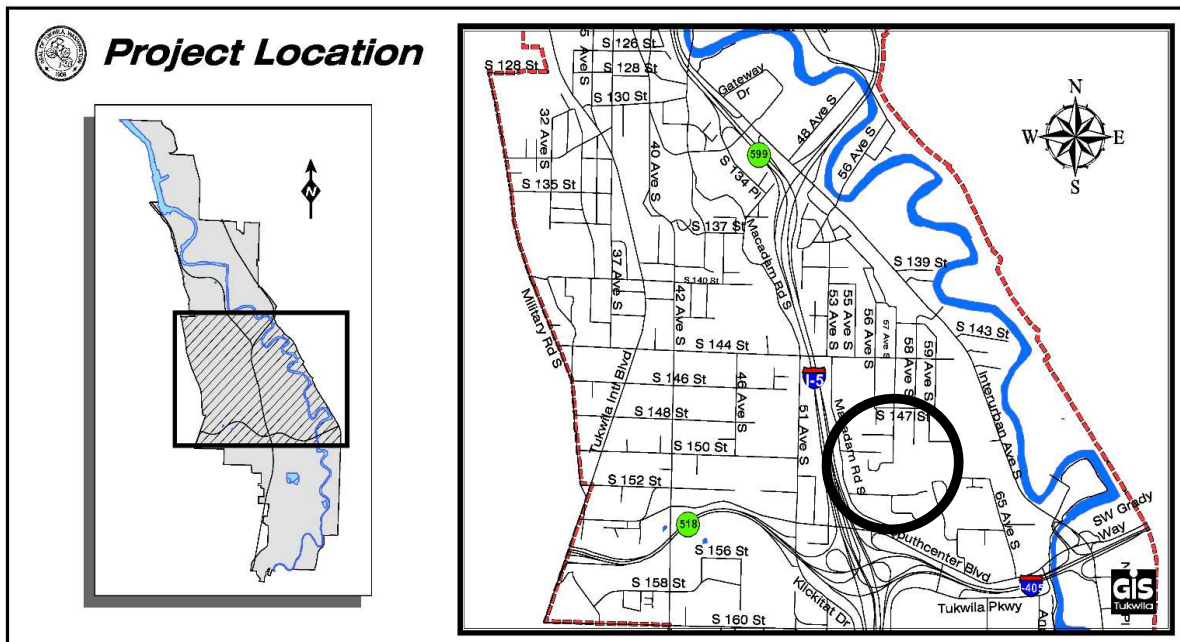
**JUSTIFICATION:** The existing watermain is reaching its useful life and does not meet Department of Health or fireflow requirements.

**STATUS:** Easement acquisitions may be needed.

**MAINT. IMPACT:** Reduce need to repair leaks.

**COMMENT:**

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design				250						250
Land (R/W)										0
Const. Mgmt.				125	125					250
Construction				200	800					1,000
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>575</b>	<b>925</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	0	575	925	0	0	0		1,500
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>575</b>	<b>925</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Annual Water Repair

Project No. 80040101

**DESCRIPTION:** Reduce leaks by performing small repairs of the water system identified by the Water Department.

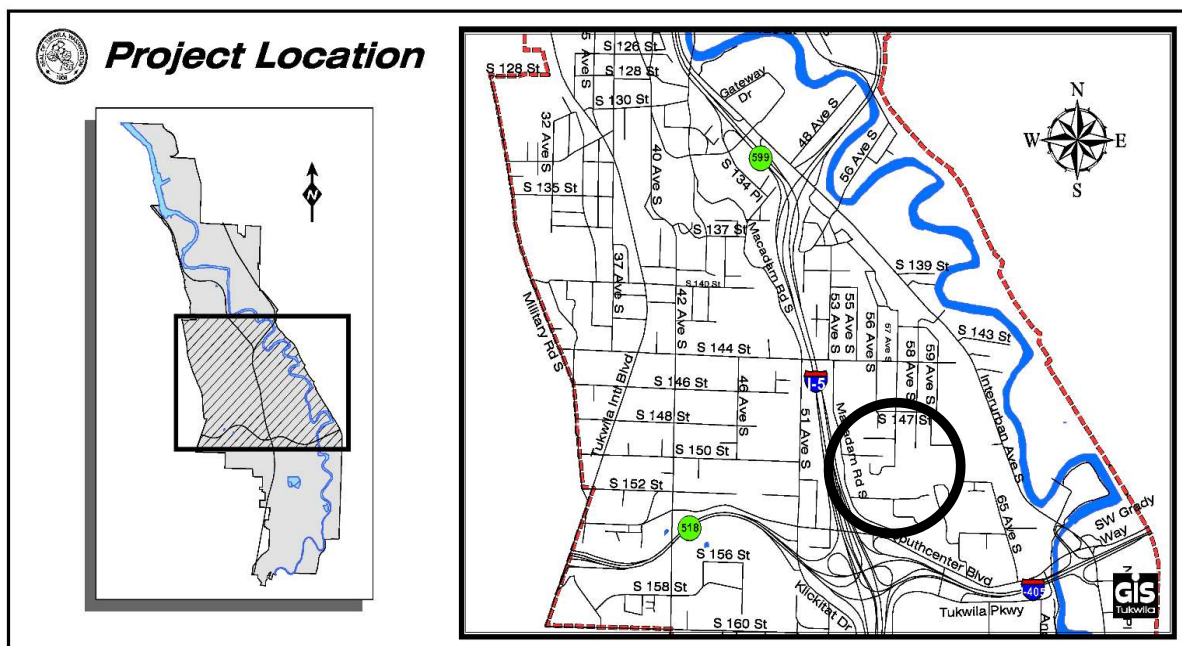
**JUSTIFICATION:** The Water Department identifies small repairs throughout the City that have a high priority of affecting the health and safety of the residents.

**STATUS:** Ongoing repairs annually.

**MAINT. IMPACT:** Have potential to reduce maintenance needs.

**COMMENT:**

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design				100	50	50	50		300	550
Land (R/W)										0
Const. Mgmt.					50	50	50		300	450
Construction					100	300	400		4,000	4,800
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>200</b>	<b>400</b>	<b>500</b>	<b>0</b>	<b>2,000</b>	<b>5,800</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	0	100	200	400	500	0	2,000	3,200
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>200</b>	<b>400</b>	<b>500</b>	<b>0</b>	<b>2,000</b>	<b>3,200</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Large Meter Water Replacement

Project No. 92340101

**DESCRIPTION:** Upgrade and replace the City's existing large water meters.

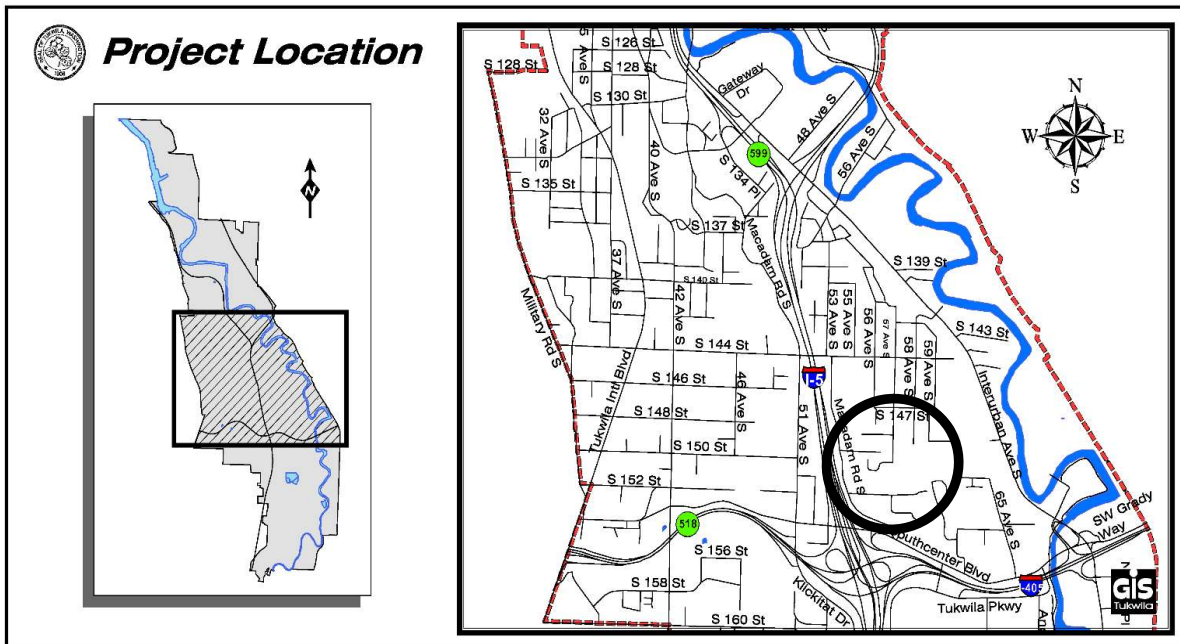
**JUSTIFICATION:** The new meters will enable easier and safer access to the meters. A potential leak would also be detected much quicker.

**STATUS:** Project scheduled for 2023 through 2027.

**MAINT. IMPACT:** New equipment will slightly reduce maintenance needs.

**COMMENT:** As most of the large water meters are within the CBD area, the construction will be phased out over several years to minimize disruption.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design			50	50	50	50				200
Land (R/W)										0
Const. Mgmt.										0
Construction				100	100	100	100	100	600	1,100
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>100</b>	<b>100</b>	<b>2,000</b>	<b>1,300</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	50	150	150	150	100	100	600	1,300
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>100</b>	<b>100</b>	<b>600</b>	<b>1,300</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Baker Blvd Water Main Replacement

Project No. 91840101

**DESCRIPTION:** Replace approximately 2,400 LF of existing 8" water line with a 12" line in Baker Blvd between Andover Park East and Andover Park West.

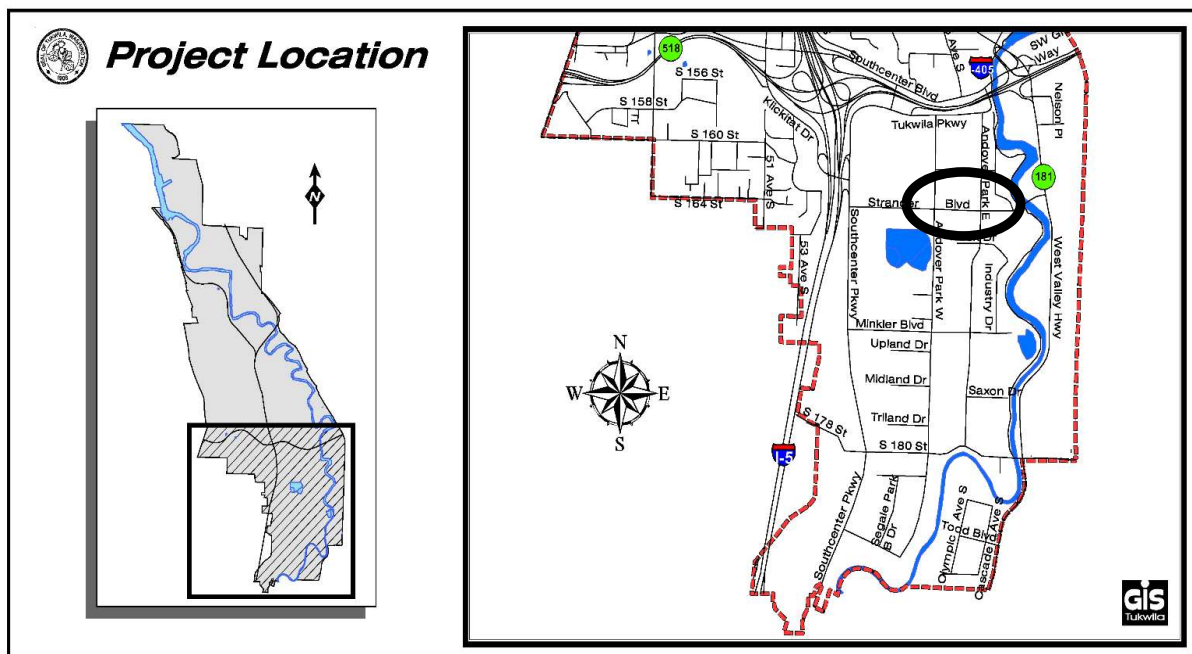
**JUSTIFICATION:** This replacement will improve fire flows. Existing cast iron has reached its useful life and is susceptible to failure.

**STATUS:**

**MAINT. IMPACT:** Reduces leak potential and repair liability.

**COMMENT:**

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design						100	150			250
Land (R/W)										0
Const. Mgmt.								250		250
Construction								2,250		2,250
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>150</b>	<b>2,500</b>	<b>0</b>	<b>2,750</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant								1,225		1,225
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	0	0	0	100	150	1,275	0	1,525
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>150</b>	<b>2,500</b>	<b>0</b>	<b>2,750</b>



City of Tukwila  
**CAPITAL IMPROVEMENT PROGRAM**  
 for  
 2023 - 2028

**SEWER ENTERPRISE FUND**  
**402**

Page #	PROJECT TITLE	2023	2024	2025	2026	2027	2028	TOTAL	*Other Sources	After Six Years
65	Annual Sewer Repair Program	1,050	1,100	1,050	1,100	800	850	5,950	0	6,450
66	GIS Sewer System Inventory	67	0	0	0	0	0	67	0	0
67	Sewer Lift Station No. 5 Rebuild	1,300	1,250	0	0	0	0	2,550	0	0
68	Sewer Lift Station No. 3 Upgrade	0	600	300	0	0	0	900	0	910
69	Abandon Sewer Lift Station No. 9	150	350	300	0	0	0	800	0	0
70	Southcenter Blvd Sewer Upgrade	0	0	300	900	900	0	2,100	0	0
71	Lift Stations Generators Load Bank Testing	25	25	25	25	25	25	150	0	0
72	Sewer Repair at 14438 59th Ave S	0	0	750	0	0	0	750	0	0
73	Future Sewer Lift Station No. 7	0	0	0	700	1,350	1,100	3,150	0	0
	Ryan Hill - Sewer Revitalization	0	0	0	0	0	0	0	0	1,900
	Sewer Lift Station No. 12	0	0	0	0	0	0	0	0	3,650
	APW Sewer connection to KC Metro	0	0	0	0	0	0	0	0	650
	Allentown Phase III - Sewer Revitalization	0	0	0	0	0	0	0	0	1,900
	MLK Way Sewer Improvements	0	0	0	0	0	0	0	0	1,000
	Valley View West Hill Sewer Transfer Area	0	0	0	0	0	0	0	0	0
<b>Grand Total</b>		<b>2,592</b>	<b>3,325</b>	<b>2,725</b>	<b>2,725</b>	<b>3,075</b>	<b>1,975</b>	<b>16,417</b>	<b>0</b>	<b>15,460</b>

\*\* Denotes other funding sources, grants, or mitigation.

Changes from 2021 to 2023 CIP:

Combined Annual Sewer Repair and CBD Rehab  
 Added Lift Station No. 5 Rebuild  
 Added Lift Station No. 3 Upgrade  
 Added MLK Way & 47th Ave S Sewer Improvements

Project sheets scheduled beyond 2028  
 can be found in the City's website under  
 Public Works Capital Improvement Program.

Deleted:

CBD Sanitary Sewer Rehabilitation  
 Sewer Lift Station No. 2 Upgrades  
 Sewer Comprehensive Plan  
 Sewer Replacement at 14025 Interurban Ave S

**Sewer Lift Station Locations**

Lift Station No. 1 - Master Telemetry Panel	600 Minkler Blvd. - Shops
Lift Station No. 2 - Backup Dialer	1105 Andover Pk W (at Minkler Blvd)
Lift Station No. 3	550 Minkler Blvd
Lift Station No. 4	6790 Todd Blvd - Southcenter South
Lift Station No. 5	6830 Fort Dent Way (entrance to Park)
Lift Station No. 6	6820 Fort Dent Way (only serves Park)
Lift Station No. 7 - Abandoned in 2011	was at 14601 Interurban - replaced by gravity sewer
Lift Station No. 8	13359 56th Ave S - Foster Point (new in 2007)
Lift Station No. 9	12638 Interurban - Suburban Propane
Lift Station No. 10	12218 51st Pl S - Allentown (new in 2007)
Lift Station No. 11	18799 Southcenter Pkwy (new in 2012)
Lift Station No. 12	255 Andover Park W - Key Bank parking lot at mall
Lift Station No. 13	Future - Tukwila Pkwy & Andover Park W

## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Annual Sewer Repair Program

Project No. 80040201

**DESCRIPTION:** Reduce sewer line infiltration and inflow (I & I) through groundwater intrusion or storm events as a result of damaged deteriorating systems or illicit connections. Includes small repairs and capital maintenance.

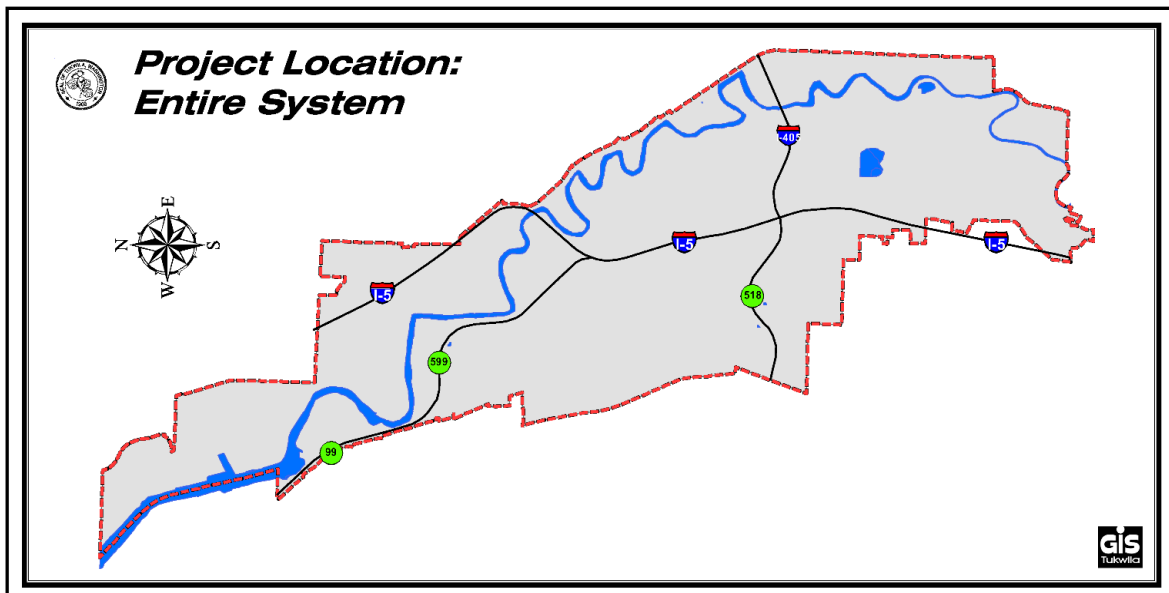
**JUSTIFICATION:** Decreases treatment, discharge, and pumping costs.

**STATUS:** Annual program is determined after pipeline TV inspection reports are completed.

**MAINT. IMPACT:** Less maintenance costs through rehabilitation of aging system.

**COMMENT:** Ongoing project, only one year actuals shown in first column.

FINANCIAL (in \$000's)	Through		Estimated								TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
<b>EXPENSES</b>											
Design	15	75	150	150	150	150	150	150	750	1,740	
Land (R/W)										0	
Const. Mgmt.	10	232	150	200	150	200	150	200	1,200	2,492	
Construction	75	1,875	750	750	750	750	500	500	4,500	10,450	
<b>TOTAL EXPENSES</b>	<b>100</b>	<b>2,182</b>	<b>1,050</b>	<b>1,100</b>	<b>1,050</b>	<b>1,100</b>	<b>800</b>	<b>850</b>	<b>6,450</b>	<b>14,682</b>	
<b>FUND SOURCES</b>											
Awarded Grant										0	
Proposed Grant										0	
Mitigation Actual										0	
Mitigation Expected										0	
Utility Revenue	100	2,182	1,050	1,100	1,050	1,100	800	850	6,450	14,682	
<b>TOTAL SOURCES</b>	<b>100</b>	<b>2,182</b>	<b>1,050</b>	<b>1,100</b>	<b>1,050</b>	<b>1,100</b>	<b>800</b>	<b>850</b>	<b>6,450</b>	<b>14,682</b>	



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** GIS Sewer System Inventory

Project No. 80540202

**DESCRIPTION:** Geographic Information Systems (GIS) provides current as-built data for the sanitary sewer system in the Central Business District. This project will expand the as-built database for Tukwila's entire sewer system.

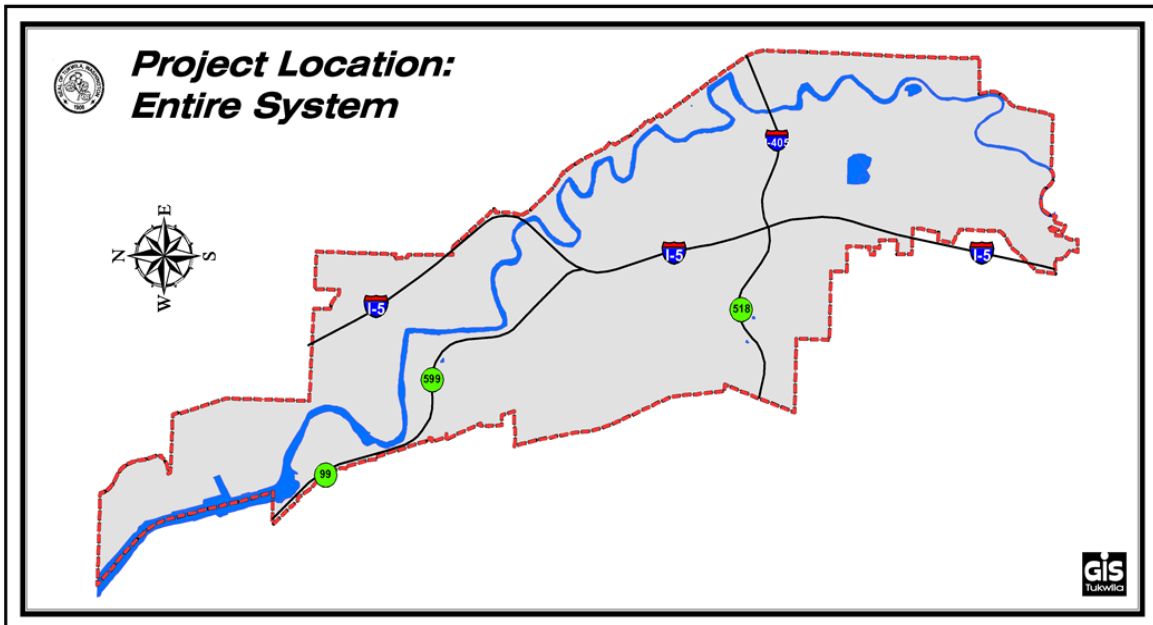
**JUSTIFICATION:** GIS mapping of the sewer system will provide information that is easily accessible by City staff and the public. With the GIS data, the City will be able to develop an asset management plan to determine the sewer assets that need to be upgraded or replaced.

**STATUS:** The GIS Inventory will be continually updated, mostly in-house, to improve the accuracy of the existing system.

**MAINT. IMPACT:** The survey will provide staff with up-to-date information on the location of manholes for the sanitary sewers.

**COMMENT:** Ongoing project cooperating with Water and Stormwater.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design	248	15	67							
Land (R/W)										0
Const. Mgmt.										0
Construction										0
<b>TOTAL EXPENSES</b>	<b>248</b>	<b>15</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	248	15	67	0	0	0	0	0	0	330
<b>TOTAL SOURCES</b>	<b>248</b>	<b>15</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>330</b>





# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Sewer Lift Station No. 5 Rebuild

Project No. 92340201

**DESCRIPTION:** Rebuilding of sewer lift station 5 will reduce maintenance costs and reduce the risk of failure.

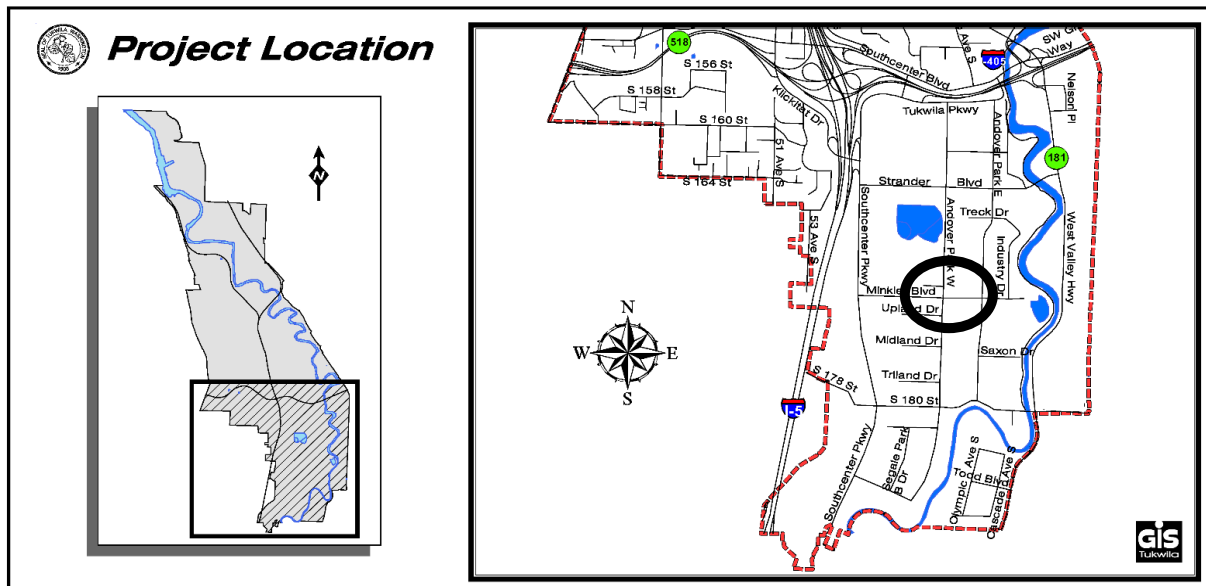
**JUSTIFICATION:** Aging sewer lift station requires the replacement of motors, pumps, and controls at older lift stations to reduce maintenance.

**STATUS:** The sewer lift station has been seeing a lot of issues with maintenance of pumps and motors. The existing panels and valves are in a confined space and will need to be moved to grade for safer access.

**MAINT. IMPACT:** New pumps will reduce the liability of the existing pumps that are obsolete and prone to fail.

**COMMENT:** Additional right-of-way or property will be required for the new backup generators to be installed.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design			250	50						300
Land (R/W)										0
Const. Mgmt.			50	200						250
Construction			1,000	1,000						2,000
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>1,300</b>	<b>1,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,550</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Bond/ULID										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	1,300	1,250	0	0	0	0		2,550
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>1,300</b>	<b>1,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,550</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Sewer Lift Station No. 3 Upgrade

Project No. 90440206

**DESCRIPTION:** Upgrading sewer lift station 3, including control panel, valves, and pumps. A backup power source will also be installed.

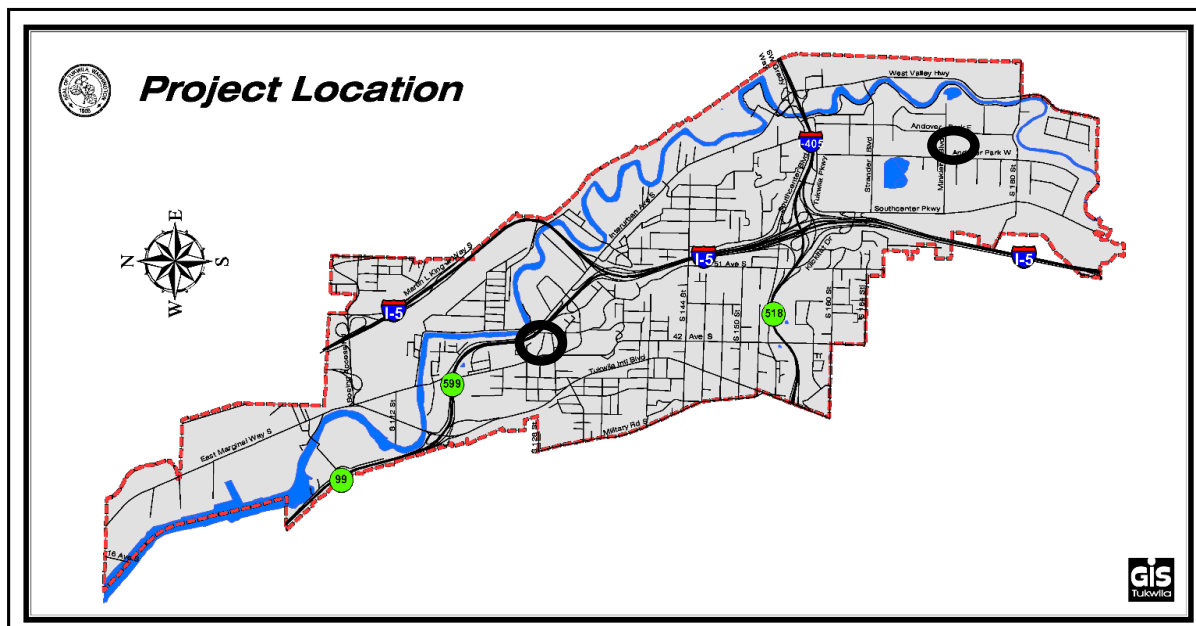
**JUSTIFICATION:** Aging sewer system requires the replacement of motors, pumps, and controls at older lift stations to reduce maintenance.

**STATUS:** Sewer Lift Station 3 is at the end of its life cycle and need to be rebuilt with a backup power source.

**MAINT. IMPACT:** New pumps will reduce the liability of the existing pumps that are obsolete and prone to fail.

**COMMENT:** Additional right-of-way or property will be required for the new backup generators to be installed.

FINANCIAL (in \$000's)	Through Estimated									TOTAL	
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
<b>EXPENSES</b>											
Design				100						100	200
Generators				100						10	110
Const. Mgmt.				100						100	200
Construction				300	300					700	1,300
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>910</b>	<b>1,810</b>	
<b>FUND SOURCES</b>											
Awarded Grant											0
Proposed Grant											0
Mitigation Actual											0
Mitigation Expected											0
Utility Revenue	0	0	0	600	300	0	0	0	910	1,810	
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>910</b>	<b>1,810</b>	



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Abandon Sewer Lift Station No. 9

Project No. 90540208

**DESCRIPTION:** Install 900 LF of 8" gravity sewer from the Lift Station No. 9 to the existing Metro main nearby.

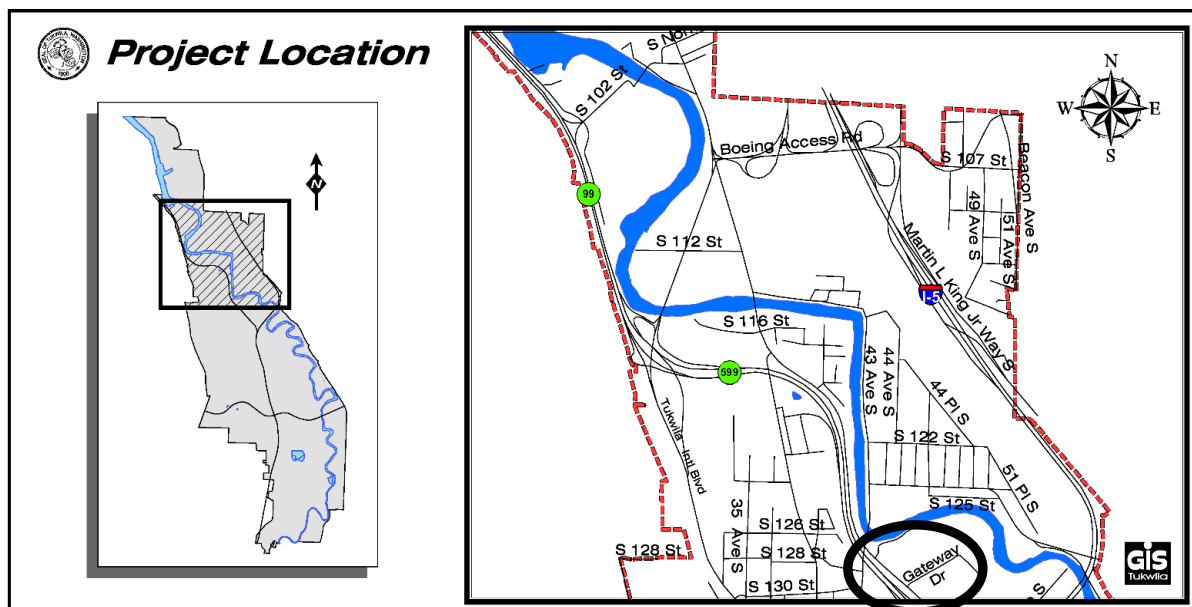
**JUSTIFICATION:** The existing Metro sewer in Interurban Ave South was designed to service the area that is also currently served by Lift Station No. 9.

**STATUS:**

**MAINT. IMPACT:** Staff will not have to maintain Lift Station on private property.

**COMMENT:**

FINANCIAL (in \$000's)	Through Estimated		2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
	2021	2022								
<b>EXPENSES</b>										
Design		15	100							115
Land (R/W)										0
Const. Mgmt.			50	50						100
Construction				300	300					600
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>15</b>	<b>150</b>	<b>350</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>815</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	15	150	350	300	0	0	0	0	815
<b>TOTAL SOURCES</b>	<b>0</b>	<b>15</b>	<b>150</b>	<b>350</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>815</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Southcenter Blvd Sewer Upgrade

Project No. 99840202

**DESCRIPTION:** Upgrade 3,200 LF of 8" to a larger capacity 12" system from Macadam Rd to the I-405 undercrossing (or new bridge crossing) on Southcenter Blvd.

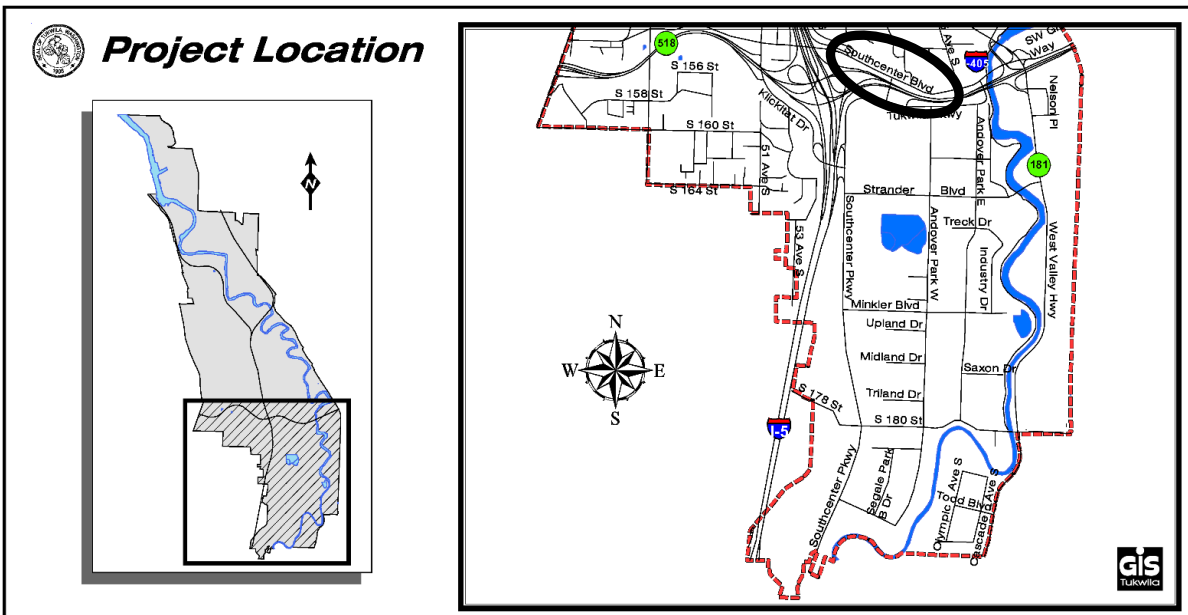
**JUSTIFICATION:** Flows have greatly increased with additional connections to the basin from the North Hill apartment buildings causing the system to be deficient in terms of capacity for peak discharges.

**STATUS:**

**MAINT. IMPACT:** Improved service would reduce maintenance liability.

**COMMENT:** Coordinate with I-405 improvements to Southcenter Blvd and Future Lift Station 7.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design					300					300
Land (R/W)										0
Const. Mgmt.						150	150			300
Construction						750	750			1,500
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>900</b>	<b>900</b>	<b>0</b>	<b>0</b>	<b>2,100</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Bond/PWTF Loan										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	0	0	300	900	900	0	0	2,100
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>900</b>	<b>900</b>	<b>0</b>	<b>0</b>	<b>2,100</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Lift Station Generators Load Bank Testing

Project No. 80040102

**DESCRIPTION:** Perform an annual test on all Lift Stations generators that's more extensive than the weekly routine check currently conducted by the crews.

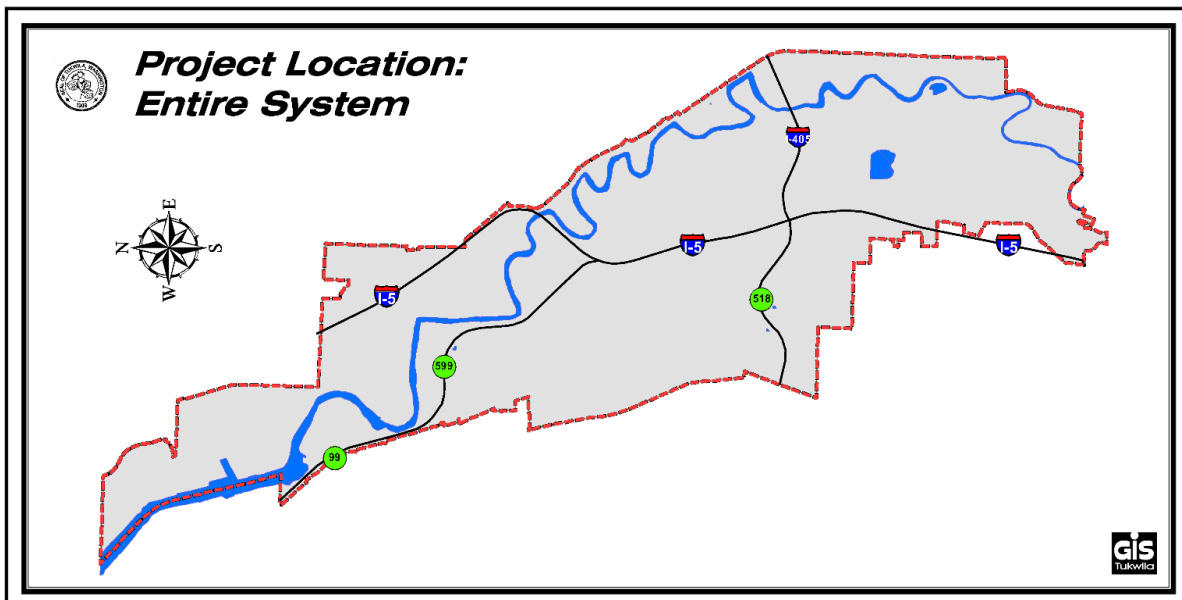
**JUSTIFICATION:** Performing load bank testing on generators annually will avoid failure of generators during a time of need. The testing will also elongate the life of generators by more than 25%.

**STATUS:** Current test was recommended after performing a study of our existing lift stations generators.

**MAINT. IMPACT:** None.

**COMMENT:** Approximately one-third of lift stations generators would be tested a year.

FINANCIAL (in \$000's)	Through		Estimated								TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
EXPENSES											
Design											
Land (R/W)											
Const. Mgmt.											
Peak Testing			25	25	25	25	25	25	25	25	175
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>175</b>
FUND SOURCES											
Awarded Grant											0
Proposed Grant											0
Mitigation Actual											0
Mitigation Expected											0
Utility Revenue	0	0	25	25	25	25	25	25	25	25	175
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>175</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Sewer Repair at 14438 59th Ave S

Project No. 91240202

**DESCRIPTION:** Replace existing 500 LF of 8" sewer and 2 manholes from Viewcrest Apartments at 14438 59th Ave S.

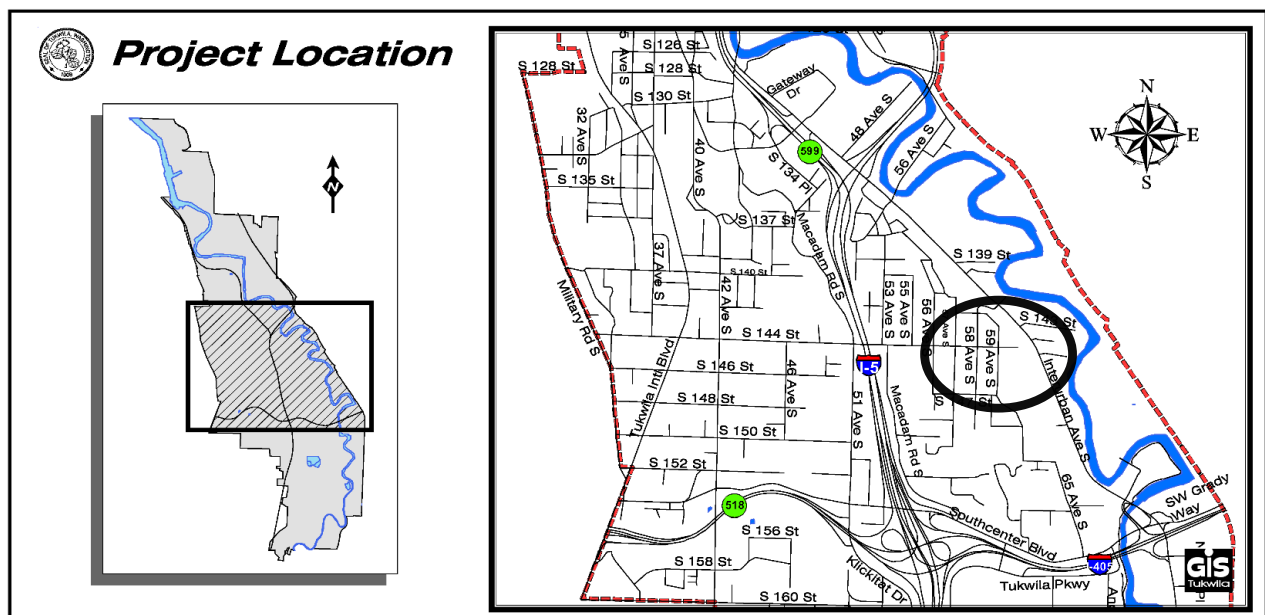
**JUSTIFICATION:** The existing pipe is located in an unstable hillside and not well supported.

**STATUS:** Staff will monitor hillside.

**MAINT. IMPACT:** Service to Viewcrest Apartments would be impacted if there was a landslide.

**COMMENT:** Hillside repair has significantly increased the cost of the project.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design					100					100
Land (R/W)					100					100
Const. Mgmt.					50					50
Construction					500					500
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	0	0	750	0	0	0	0	750
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Future Sewer Lift Station No. 7 Project No. 99740205

**DESCRIPTION:** Due to utility conflicts with existing utilities, a new sewer lift station will be required near 65th Ave S and Southcenter Blvd. A gravity sewer main is not possible under I-405.

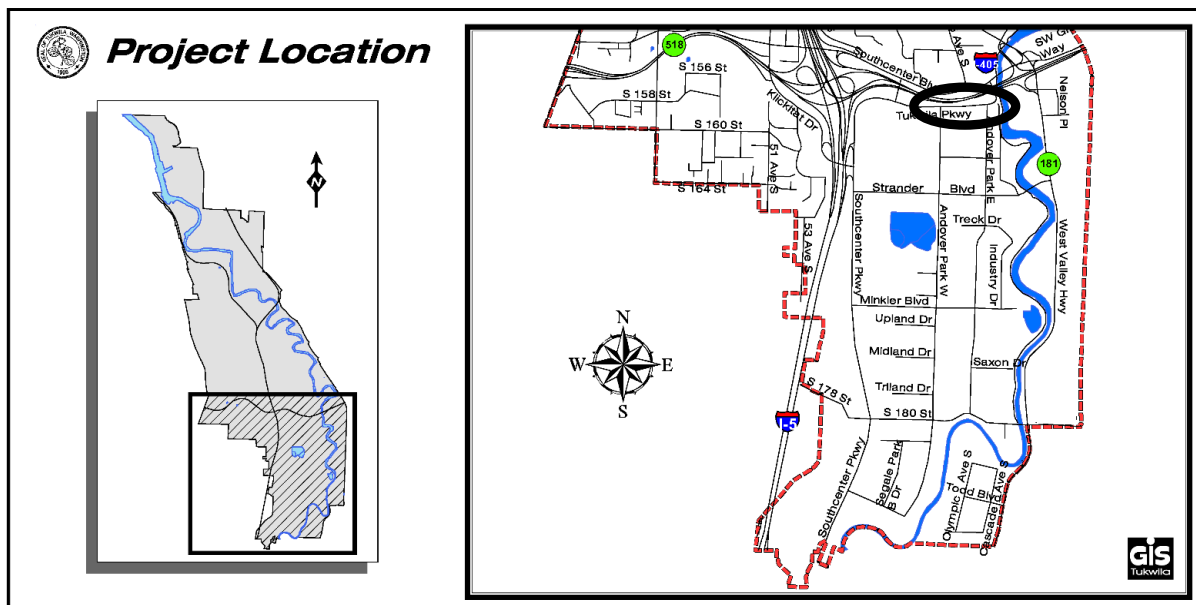
**JUSTIFICATION:** Existing line is undersized and has a severe sag. Increased development on the North Hill exacerbates the deficiency.

**STATUS:** Design will be coordinated with WSDOT and Seattle Public Utilities.

**MAINT. IMPACT:** Less flushing maintenance to clear debris from sag and from the improved HOV manhole alignment.

**COMMENT:** Other alternatives are being reviewed due to WSDOT requirements. Formerly known as Gravity Sewer under I-405 to Tukwila Parkway.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design	67					150	150			367
Land (R/W)										0
Const. Mgmt.						50	200	100		350
Construction	10					500	1,000	1,000		2,510
<b>TOTAL EXPENSES</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700</b>	<b>1,350</b>	<b>1,100</b>	<b>0</b>	<b>3,227</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Bond										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	77	0	0	0	0	700	1,350	1,100	0	3,227
<b>TOTAL SOURCES</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700</b>	<b>1,350</b>	<b>1,100</b>	<b>0</b>	<b>3,227</b>



City of Tukwila  
**CAPITAL IMPROVEMENT PROGRAM**  
 for  
 2023 - 2028

**SURFACE WATER**  
**412 Fund**

CIP Page	PROJECT TITLE	2023	2024	2025	2026	2027	2028	TOTAL	**Other Sources	After Six Years
76	Annual Small Drainage Program	900	900	970	970	970	970	5,680	0	673
77	Storm Water Quality Retrofit Program	1,620	100	100	2,200	100	100	4,220	3,095	115
78	NPDES Program	60	60	60	60	65	65	370	150	65
79	Regional Surface Water Partnerships	75	75	75	75	100	100	500	87	100
80	Green the Green Program	185	180	105	160	80	188	898	319	200
81	Gilliam Creek Fish Barrier Removal	600	650	8,500	0	0	0	9,750	8,050	0
82	Tukwila 205 Levee Certification	650	650	650	650	650	650	3,900	900	0
83	Nelsen Side Channel	600	300	1,825	0	0	0	2,725	1,932	0
84	Surface Water Comprehensive Plan	165	0	0	0	0	0	165	0	400
85	S 131st PI Drainage Improvements	671	2,400	0	0	0	0	3,071	1,960	0
86	Chinook Wind Public Access	422	0	0	0	0	0	422	126	0
87	Chinook Wind Extension	150	150	50	1,060	0	0	1,410	650	0
88	Surface Water GIS Inventory	47	0	0	0	0	0	47	0	0
89	Northwest Gilliam Storm Drainage System	100	840	0	0	0	0	940	0	1,100
90	Duwamish Rvrbk Stabilization at S 104th St	150	0	0	200	0	0	350	0	6,700
91	Duwamish Hill Preserve	370	0	600	0	0	4,600	5,570	5,000	
92	Soils Reclamation/Decant Facility	551	0	0	1,550	0	0	2,101	1,468	1,375
93	Tukwila Pkwy/Gilliam Creek Outfalls	0	0	60	415	0	0	475	0	0
94	S 146th St Pipe & 35th Ave S Drainage	0	0	0	0	0	0	0	0	1,066
	S 143rd Street Storm Drainage System	0	0	0	0	0	0	0	0	1,096
	TUC Surface Water Conveyance	0	0	0	0	0	0	0	0	541
<b>Grand Total</b>		<b>7,316</b>	<b>6,305</b>	<b>12,995</b>	<b>7,340</b>	<b>1,965</b>	<b>6,673</b>	<b>42,594</b>	<b>23,737</b>	<b>13,431</b>

\*\* Denotes other funding sources, grants, or mitigation.

Project sheets scheduled beyond 2028  
 can be found in the City's website under  
 Public Works Capital Improvement Program.

Changes from 2021 to 2023 CIP:

Additions

- Duwamish Hill Preserve Phase III
- Duwamish Rvrbk Stabilization at S 104th St
- Chinook Wind Extension
- Consolidated multiple items into Regional Partnerships

Deletions

- Riverton Creek Flap Gate Removal
- East Marginal Wy S Stormwater Outfalls

**Surface Water Lift Station Locations**

Storm Lift Station No. 15	5910 S 180th St - Mizuki Grill
Storm Lift Station No. 16	7420 S 180th St (underpass)
Storm Lift Station No. 17	530 Strander Blvd - Bicentennial Park
Storm Lift Station No. 18	4225 S 122nd St - Allentown
Storm Lift Station No. 19	Fort Dent Park (Parks Dept.)



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Annual Small Drainage Program

Project No. 80041201

**DESCRIPTION:** Select, design, and construct small drainage projects throughout the City.

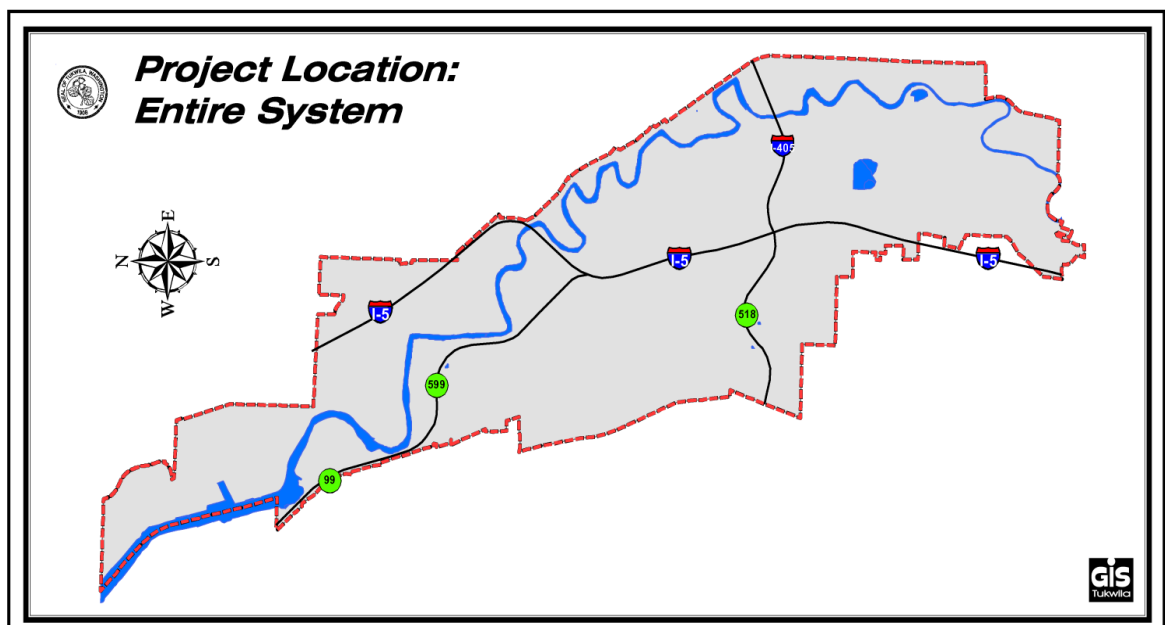
**JUSTIFICATION:** Provide drainage corrections for existing/ongoing drainage problems throughout the City, including culvert replacements, drain extensions, and pavement upgrades.

**STATUS:** Projects for this annual program are taken from Small Drainage Project List.

**MAINT. IMPACT:** Reduces maintenance.

**COMMENT:** Ongoing project, only one year shown in first column. Construction expenses may occur over two calendar years.

FINANCIAL (in \$000's)	Through Estimated		2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
	2021	2022								
<b>EXPENSES</b>										
Design	97	100	100	100	110	110	110	110	80	917
Const. Mgmt.	136	99	100	100	110	110	110	110	80	955
Construction	638	603	700	700	750	750	750	750	513	6,154
<b>TOTAL EXPENSES</b>	<b>871</b>	<b>802</b>	<b>900</b>	<b>900</b>	<b>970</b>	<b>970</b>	<b>970</b>	<b>970</b>	<b>673</b>	<b>8,026</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant	65									65
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	806	802	900	900	970	970	970	970	673	7,961
<b>TOTAL SOURCES</b>	<b>871</b>	<b>802</b>	<b>900</b>	<b>900</b>	<b>970</b>	<b>970</b>	<b>970</b>	<b>970</b>	<b>673</b>	<b>8,026</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** **Storm Water Quality Retrofit Program** Project No. 91241202

**DESCRIPTION:** Provide, design, and install water quality testing and improvements at selected drainage locations.

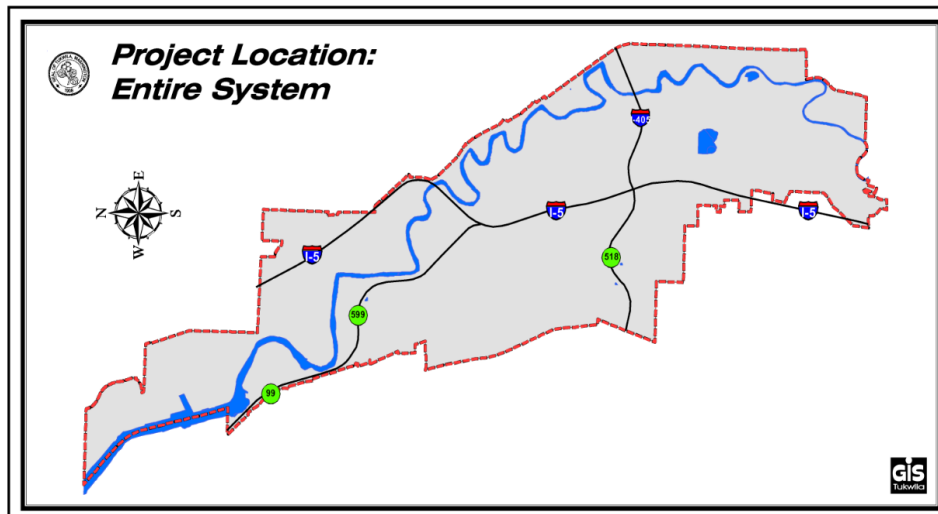
**JUSTIFICATION:** Most surface water is discharged directly to receiving water bodies untreated.

**STATUS:** Water quality retrofit has been added to CIP projects since 2015 (Interurban and 53rd Ave S).

**MAINT. IMPACT:** Expected to increase maintenance.

**COMMENT:** Combine with other CIP projects for design and construction, where feasible. For 2021, funding for added improvements to the West Valley Highway project. A proposed State DOE grant is listed in 2022.

FINANCIAL (in \$000's)	Through		Estimated							
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design	41	100	20	100	100		100	100	20	581
Land (R/W)		5								5
Const. Mgmt.			300			400			15	715
Construction			1,300			1,800			80	3,180
<b>TOTAL EXPENSES</b>	<b>41</b>	<b>105</b>	<b>1,620</b>	<b>100</b>	<b>100</b>	<b>2,200</b>	<b>100</b>	<b>100</b>	<b>115</b>	<b>4,481</b>
<b>FUND SOURCES</b>										
Awarded Grant	22		1,365							1,387
Proposed Grant					100	1,530		100		1,730
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	19	105	255	100	0	670	100	0	115	1,364
<b>TOTAL SOURCES</b>	<b>41</b>	<b>105</b>	<b>1,620</b>	<b>100</b>	<b>100</b>	<b>2,200</b>	<b>100</b>	<b>100</b>	<b>115</b>	<b>4,481</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** NPDES Program

Project No. 99341210

**DESCRIPTION:** Provide programmatic implementation requirements of NPDES. The Master Drainage Program specifies a NPDES reporting and action plan for City compliance. The services/supplies funds will also include any illicit discharge (spill cleanup) costs that may occur in the City's right-of-way.

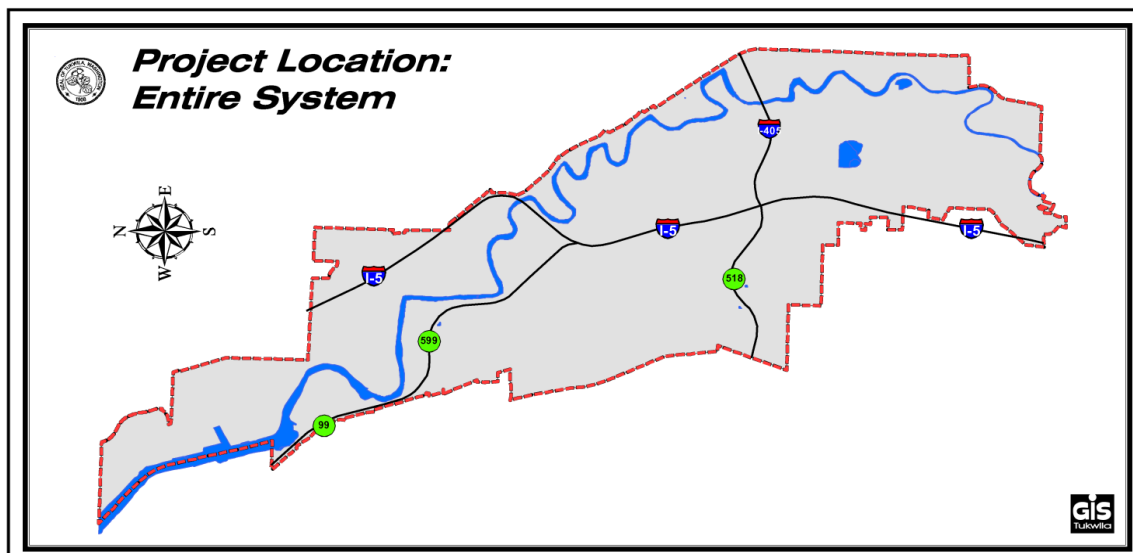
**JUSTIFICATION:** State NPDES requirements include an annual report, public education and outreach, illicit discharge detection and illumination, approved technical standards, staff training, inspections of public and private systems, and drainage system maps.

**STATUS:** All current NPDES requirements have been implemented. LID added to TMC in 2017.

**MAINT. IMPACT:** Additional cleaning and documentation will require added staff resources.

**COMMENT:** National Pollutant Discharge Elimination System (NPDES). Additional NPDES requirements will be ongoing. Costs shown include emergency supplies, testing equipment, DOE testing, and annual public outreach surveys. Added Smap requirements requiring changes to GIS Mapping to conform with DOE NPDES standards.

FINANCIAL (in \$000's)	Through		Estimated								TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
<b>EXPENSES</b>											
Services/Supplies	50	50	60	60	60	60	65	65	65	535	
Const. Mgmt.										0	
Construction										0	
<b>TOTAL EXPENSES</b>	<b>50</b>	<b>50</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>535</b>	
<b>FUND SOURCES</b>											
Awarded Grant		50								50	
Proposed Grant				50		50		50		150	
Mitigation Actual										0	
Mitigation Expected										0	
Utility Revenue	50	0	60	10	60	10	65	15	65	335	
<b>TOTAL SOURCES</b>	<b>50</b>	<b>50</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>535</b>	



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** **Regional Surface Water Partnerships** Project No. 70041201

**DESCRIPTION:** The City is party to a number of ongoing inter-agency partnerships related to surface water including WRIA 9, a streamgages funding program with USGS and a Duwamish Steward ILA.

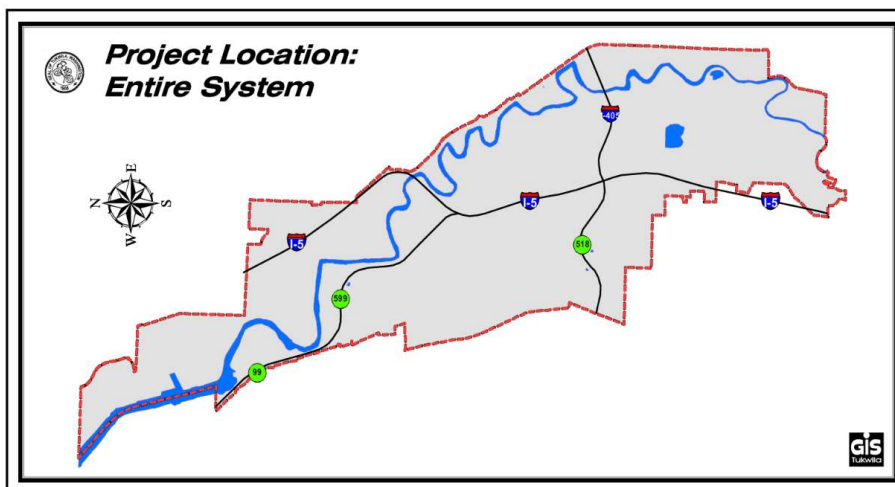
**JUSTIFICATION:** These partnerships generally arise as part of collaboration to recover salmon species listed under the Endangered Species Act (ESA) and to improve water quality within the Green/Duwamish watershed.

**STATUS:** WRIA 9 ILA is through 2025; Duwamish Steward ILA through 2026; Streamgages annually.

**MAINT. IMPACT:** Policies and recommendations may impact maintenance.

**COMMENT:** Ongoing partnerships; only one year actuals are shown in the first column.

FINANCIAL (in \$000's)	Through Estimated		2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
	2021	2022								
<b>EXPENSES</b>										
Design	33	20	75	75	75	75	100	100	100	653
Land (R/W)										0
Const. Mgmt.										0
Construction										0
<b>TOTAL EXPENSES</b>	<b>33</b>	<b>20</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>653</b>
<b>FUND SOURCES</b>										
King Conservation District			13	14	14	15	15	16	16	103
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	33	20	62	61	61	60	85	84	84	550
<b>TOTAL SOURCES</b>	<b>33</b>	<b>20</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>653</b>







## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Tukwila 205 Levee Certification

Project No. 91341203

**DESCRIPTION:** Reconstruct the Tukwila 205 Levee to provide 500-year level of flood protection and obtain levee certification.

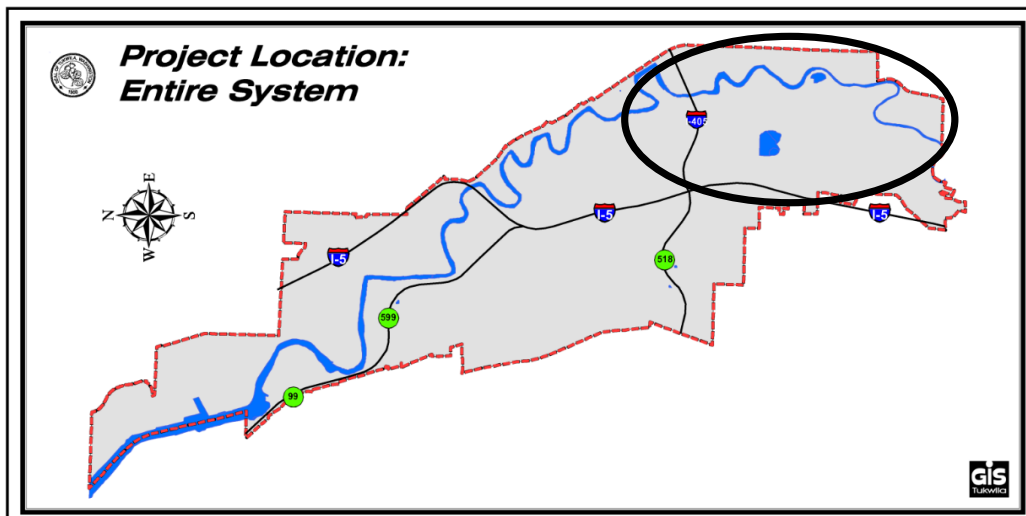
**JUSTIFICATION:** The US Army Corps of Engineers no longer provides levee certification services to federally authorized levees. The existing certification expired in August 2013. Certification is required for the Federal Emergency Management Agency to accreditate the levee system as providing a 100-year level of flood protection. A study of the Tukwila 205 Levee found approximately 80% of the levee could not be certified in its current condition and will require repair or reconstruction.

**STATUS:** A levee assessment has been completed.

**MAINT. IMPACT:** Certification process is expected to lead to additional levee repair projects that are required to meet the certification criteria. Certification is valid for a 10-year period.

**COMMENT:** The City has petitioned the King County Flood Control District to make levee improvements to upgrade the 205 Levee to provide a minimum of 100-year level of protection, and where construction is needed, construct to a 500-year level of protection. KCFCD has agreed to begin design of several projects in 2020, which will take approximately 15 years to complete and will require extensive work with the City of Tukwila and property owners. A full time employee to monitor this project will be required and listed in 2021 through 2026.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Certification Phase I	350									350
Certification Phase II	229	500	500	500	500	500	500	500		3,729
Design										0
Const. Mgmt.			150	150	150	150	150	150		900
Construction										0
<b>TOTAL EXPENSES</b>	<b>579</b>	<b>500</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>0</b>	<b>4,979</b>
<b>FUND SOURCES</b>										
KC Flood Control	236	150	150	150	150	150	150	150		1286
Proposed Grants										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	343	350	500	500	500	500	500	500	0	3,693
<b>TOTAL SOURCES</b>	<b>579</b>	<b>500</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>650</b>	<b>0</b>	<b>4,979</b>



**CITY OF TUKWILA CAPITAL PROJECT SUMMARY**

**2023 to 2028**

**PROJECT:** Nelsen Salmon Habitat Side Channel

Project No. 91641203

**DESCRIPTION:** Create an off-channel salmon rearing habitat side channel by connecting a segment of historic river channel with the Green River.

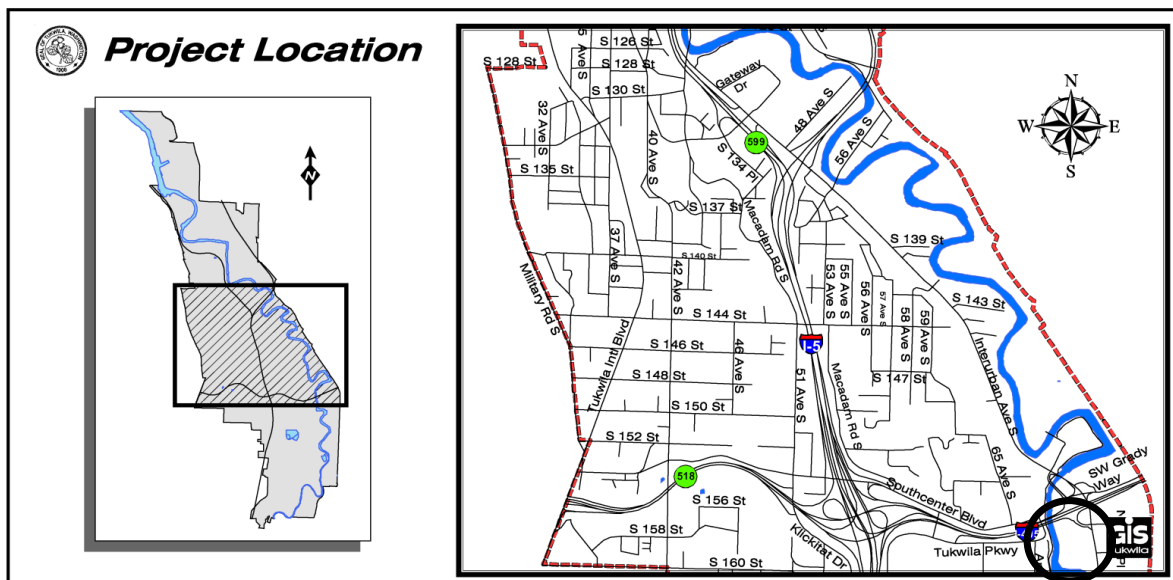
**JUSTIFICATION:** WR1A 9 has identified this project a proposed action in the Salmon Habitat Plan.

**STATUS:** The project area is primarily within State lands, but the intent is to transfer to City. The project may take place under an aquatic lease (DNR), depending on timing. Grant application for design funding submitted to Floodplains in 2020 with a low probability of success.

**MAINT. IMPACT:** Expected to increase maintenance

**COMMENT:** Property acquisition to the north could create the opportunity for a side channel and additional flood storage, or potentially combine this with Gilliam Creek Fish Barrier project depending on funding source feedback.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design		50	300	300						650
Land (R/W)		5	300							305
Monitoring										0
Const. Mgmt.					385					385
Construction					1,440					1,440
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>55</b>	<b>600</b>	<b>300</b>	<b>1,825</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,780</b>
<b>FUND SOURCES</b>										
Awarded Grant		50	150	150						350
Proposed Grant			300	100	1,232					1,632
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	5	150	50	593	0	0	0	0	798
<b>TOTAL SOURCES</b>	<b>0</b>	<b>55</b>	<b>600</b>	<b>300</b>	<b>1,825</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,780</b>





## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Surface Water Comprehensive Plan

Project No. 82141202

**DESCRIPTION:** Periodically revise and update the adopted Surface Water Comprehensive Plan to: 1) Incorporate the latest requirements of the National Pollution Discharge Elimination System (NPDES) and Endangered Species Act (ESA); 2) Update Capital Improvement Projects to reflect current needs and completed projects; 3) Include GIS based basin and system maps as they become available; and 4) Revise Storm Water ordinance as needed.

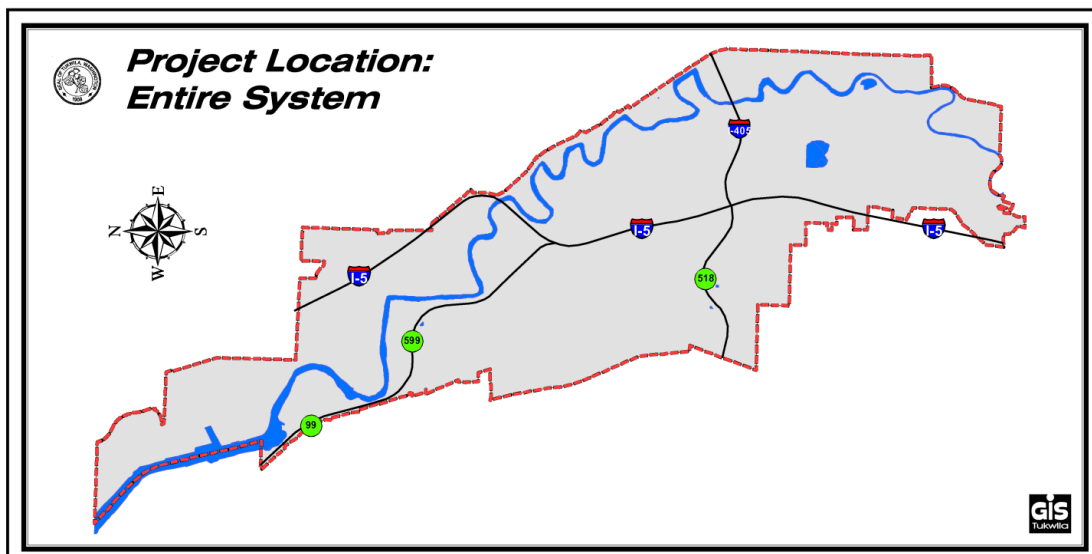
**JUSTIFICATION:** The latest requirements from regulatory agencies as well as newly identified City needs must be included in a regularly updated Surface Water Comprehensive Plan.

**STATUS:** The Surface Water Comprehensive Plan was completed in 2003 and updated in 2013. Future updates are planned on a 7-year cycle with the next update in 2021.

**MAINT. IMPACT:**

**COMMENT:**

FINANCIAL (in \$000's)	Through		Estimated							TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design	163	195	165						400	923
Land (R/W)										0
Const. Mgmt.										0
Construction										0
<b>TOTAL EXPENSES</b>	<b>163</b>	<b>195</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400</b>	<b>923</b>
<b>FUND SOURCES</b>										
Awarded Grant			72							72
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	163	195	93	0	0	0	0	0	400	851
<b>TOTAL SOURCES</b>	<b>163</b>	<b>195</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400</b>	<b>923</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** S 131st Place Drainage Improvements

Project No. 91641204

**DESCRIPTION:** Design and replace an existing 36" culvert under S. 131st Pl. Raise the roadway approximately 18" and/or provide a concrete wall or other means to keep Southgate Creek within its banks during storm events.

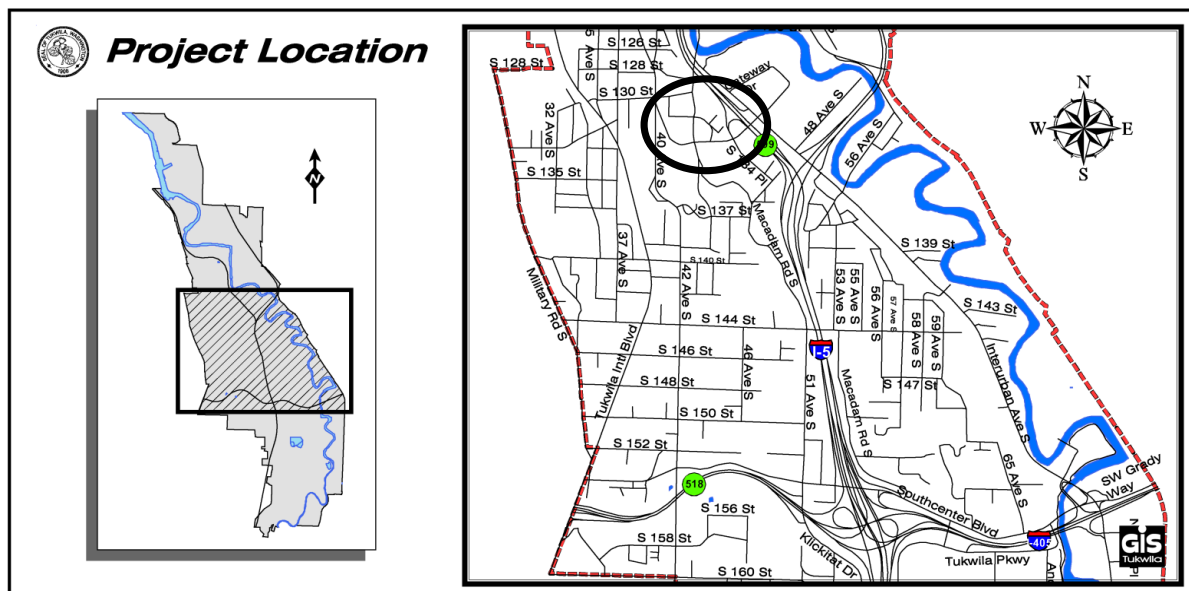
**JUSTIFICATION:** Southgate Creek overtops its bank several times per year during storm events and runs through private property. Debris is deposited within a private driveway and storm system.

**STATUS:** Maintenance is performed annually on the creek to remove excess sedimentation to reduce the likelihood of flooding.

**MAINT. IMPACT:** Reduce the frequency of stream sediment removal and storm cleanup.

**COMMENT:** Project will require an HPA. Will consider combining with a future overlay project to reduce overall costs. A grant request for \$200K was submitted to the KCFCF in 2020.

FINANCIAL (in \$000's)	Through		Estimated							TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design		100	421							521
Land (R/W)			250							250
Const. Mgmt.				400						400
Construction				2,000						2,000
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>100</b>	<b>671</b>	<b>2,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,171</b>
<b>FUND SOURCES</b>										
Awarded Grant		60	60							120
Proposed Grant			300	1,600						1,900
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	40	311	800	0	0	0	0	0	1,151
<b>TOTAL SOURCES</b>	<b>0</b>	<b>100</b>	<b>671</b>	<b>2,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,171</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Chinook Wind Public Access

Project No. 91441202

**DESCRIPTION:** King County purchased site and will restore it as a salmon estuary and passive park in partnership with the City. City CIP project is to develop public access and maintenance trail. Plan is to connect trail through PW shops to Duwamish Gardens.

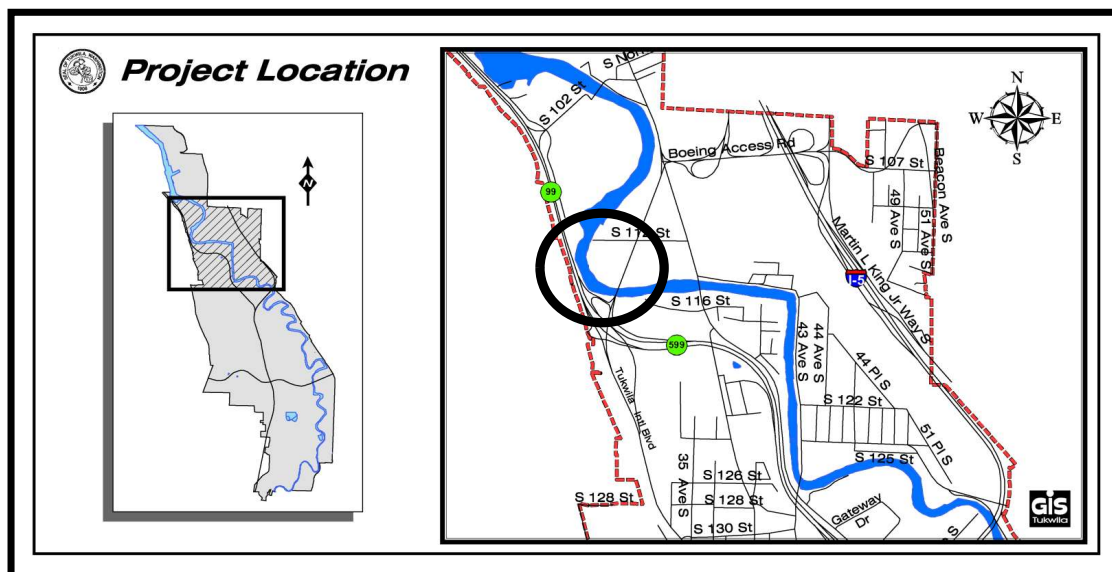
**JUSTIFICATION:** The WRIA 9 Salmon Recovery Plan recommends creating 20-acres of off-channel habitat within the Duwamish Transition Zone and lists this section of the river as critical habitat for salmon recovery within the Green/Duwamish Watershed.

**STATUS:** King County construction slated to begin in 2021. City construction will be a separate contract, to start in 2022.

**MAINT. IMPACT:** Passive park will require additional maintenance.

**COMMENT:** Grant funding for County project is from the KC fee in-lieu mitigation program and KCD. City CIP has 50% RCO ALEA funding.

FINANCIAL (in \$000's)	Through Estimated		2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
	2021	2022								
<b>EXPENSES</b>										
Design	19	45								64
Land (R/W)										0
Monitoring										0
Const. Mgmt.			85							85
Construction			337	0						337
<b>TOTAL EXPENSES</b>	<b>19</b>	<b>45</b>	<b>422</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>486</b>
<b>FUND SOURCES</b>										
Awarded Grant ALEA		31	126							157
Proposed Grant				0						0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	19	14	296	0	0	0	0	0	0	329
<b>TOTAL SOURCES</b>	<b>19</b>	<b>45</b>	<b>422</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>486</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Chinook Wind Extension

Project No. 92341202

**DESCRIPTION:**

Following the Public Works Facility Preferred Master Plan (2019) and the Duwamish Gardens Opportunities for Expansion Concept Plan (2013), this project will develop connecting shoreline habitat and the 'missing trail link' between Duwamish Gardens and Chinook Wind within recently acquired City property.

**JUSTIFICATION:**

This is a Tier 1 project in the WRIA 9 Salmon Recovery Plan, fulfilling a core recovery strategy of restoring, protecting and enhancing estuary habitat in the Duwamish River. The trail connection has been discussed in the community for many years and is anticipated to be part of larger, popular shoreline trail.

**STATUS:**

City takes ownership of the site in 2023.

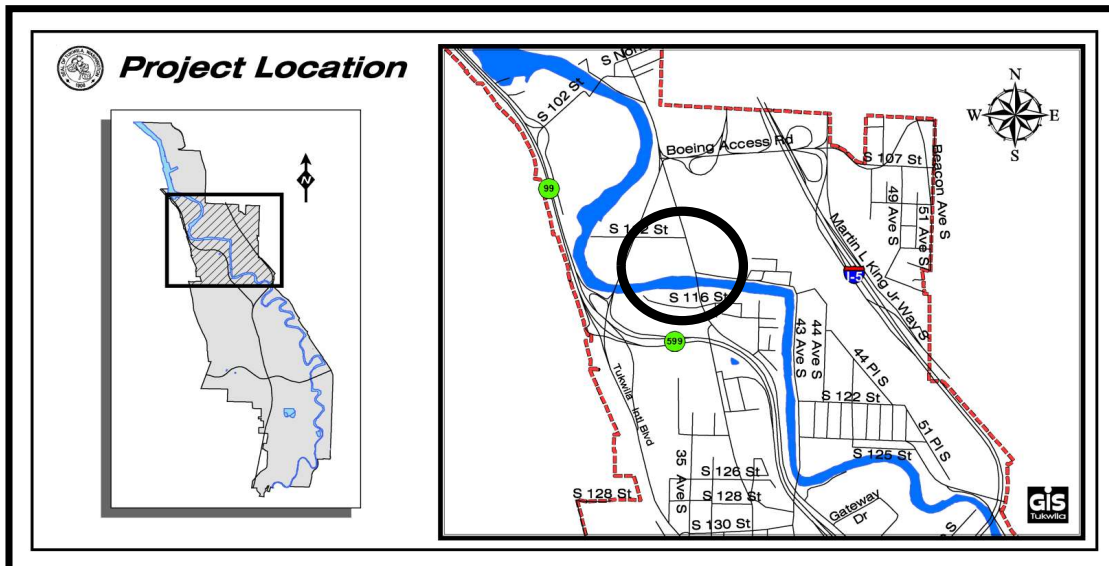
**MAINT. IMPACT:**

Passive park elements and restoration plantings will require additional maintenance.

**COMMENT:**

Grant funding is anticipated to support this project.

FINANCIAL (in \$000's)	Through		Estimated								TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND		
<b>EXPENSES</b>											
Design			150	150	50						350
Land (R/W)											0
Monitoring											0
Const. Mgmt.						160					160
Construction				0		900					900
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>50</b>	<b>1,060</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,410</b>
<b>FUND SOURCES</b>											
Awarded Grant											0
Proposed Grant				150		500					650
Mitigation Actual											0
Mitigation Expected											0
Utility Revenue	0	0	150	0	50	560	0	0	0	0	760
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>50</b>	<b>1,060</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,410</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Surface Water GIS Inventory

Project No. 90241201  
80241201

**DESCRIPTION:** The GIS (Geographic Information Systems) inventory establishes citywide as-built drawings for the public drainage systems. This is an ongoing project as all CIP and development infrastructure improvements will need to be mapped.

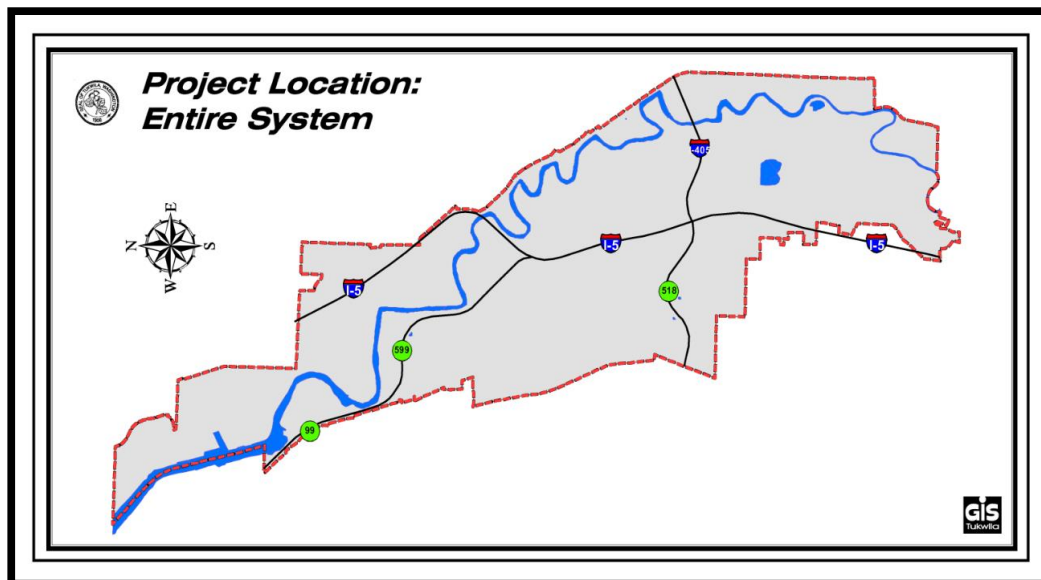
**JUSTIFICATION:** State NPDES requirements include provisions for permitted jurisdictions to compile accurate drainage system maps for all outfalls 24" or greater.

**STATUS:** GIS mapping was completed citywide in 2013. Future contracts will keep maps up to date as projects change the existing system. Combined Asset Management System scheduled for 2017.

**MAINT. IMPACT:** GIS information will allow maintenance to better track storm facility maintenance needs.

**COMMENT:** National Pollution Discharge Elimination System (NPDES). Department of Ecology grants for NPDES permit.

FINANCIAL (in \$000's)	Through 2021	Estimated 2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design	0	30	47	0	0	0	0	0		77
Land (R/W)										0
Const. Mgmt.										0
Construction										0
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>30</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77</b>
<b>FUND SOURCES</b>										
Awarded Grant	0									0
Proposed Grant										0
Mitigation Actual	0									0
Mitigation Expected										0
Utility Revenue	0	30	47	0	0	0	0	0	0	77
<b>TOTAL SOURCES</b>	<b>0</b>	<b>30</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Northwest Gilliam Basin Storm Drainage System Project No. 90341206

**DESCRIPTION:** Upgrade existing storm drainage system. Provide water quality treatment manholes at the downstream end of the retrofitted drainage systems. Provide asphalt overlay and extruded asphalt curb for all streets.

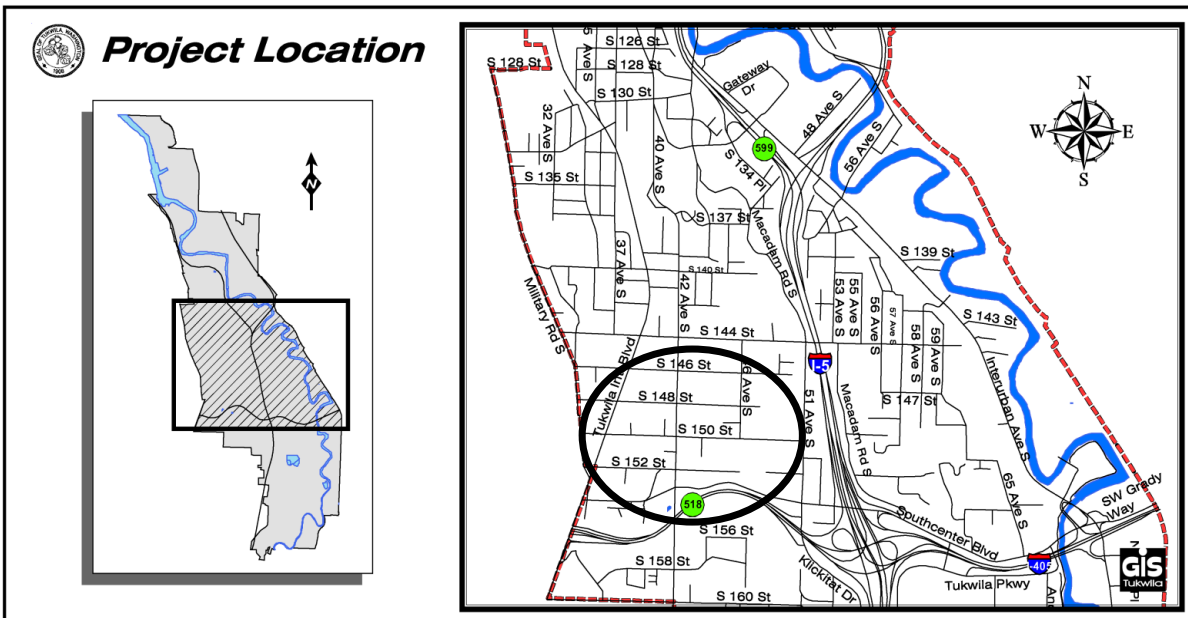
**JUSTIFICATION:** Reduces right-of-way and private property flooding by increasing the hydraulic capacity of the existing storm drainage system. Water quality manholes remove sediment and oil from street runoff.

**STATUS:** S 146th St was completed in 2009 and S 150th in 2015 with Thorndyke Safe Routes to School. Remaining streets include S 148th St and S 152nd St.

**MAINT. IMPACT:** Expected to decrease maintenance.

**COMMENT:** Where feasible, combine with future water quality and overlay projects to reduce costs and construction impact.

FINANCIAL (in \$000's)	Through Estimated									TOTAL
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	
<b>EXPENSES</b>										
Design	0	100	100						200	400
Land (R/W)										0
Const. Mgmt.				40					100	140
Construction			0	800					800	1,600
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>840</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100</b>	<b>2,140</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	100	100	840	0	0	0	0	1,100	2,140
<b>TOTAL SOURCES</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>840</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100</b>	<b>2,140</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** S. 104th Street Shoreline Restoration

Project No. 92241203

**DESCRIPTION:** The armored bank on an outside bend of the Duwamish River adjacent to S. 104th Street is steep and subject to erosion and potential failure. This project would analyze site conditions and develop solutions to create a sustainable shoreline that can withstand hydraulic forces, reduce erosional risk to uplands and provide ecological value.

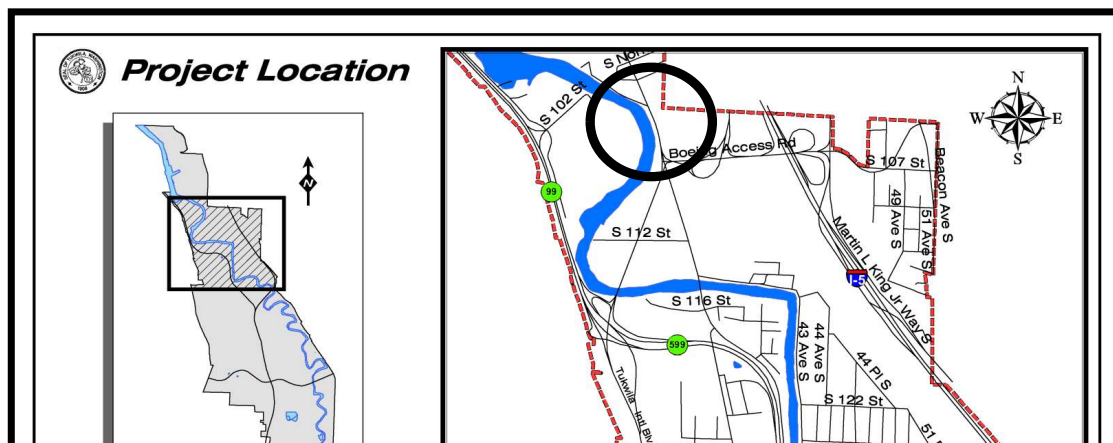
**JUSTIFICATION:** This is project DUW-26 in the WRIA 9 2021 Salmon Recovery Plan Update. The City roadway and adjacent properties and utilities may be at risk under current conditions.

**STATUS:**

**MAINT. IMPACT:** This project is expected to reduce maintenance in the long term.

**COMMENT:** Grant funding is anticipated to support this project.

FINANCIAL (in \$000's)	Through 2021	Estimated 2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design	31		150			200			400	781
Land (R/W)									1,000	1,000
Monitoring										0
Const. Mgmt.									300	300
Construction				0					5,000	5,000
<b>TOTAL EXPENSES</b>	<b>31</b>	<b>0</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>6,700</b>	<b>7,081</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant				0		200			4,500	4,700
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	31	0	150	0	0	0	0	0	2,200	2,381
<b>TOTAL SOURCES</b>	<b>31</b>	<b>0</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>6,700</b>	<b>7,081</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Duwamish Hill Preserve Phase III

Project No. 92241203

**DESCRIPTION:** The park master plan calls for moving a portion of S. 115th Street landward to improve shallow water habitat, water quality and enjoyment of the shoreline.

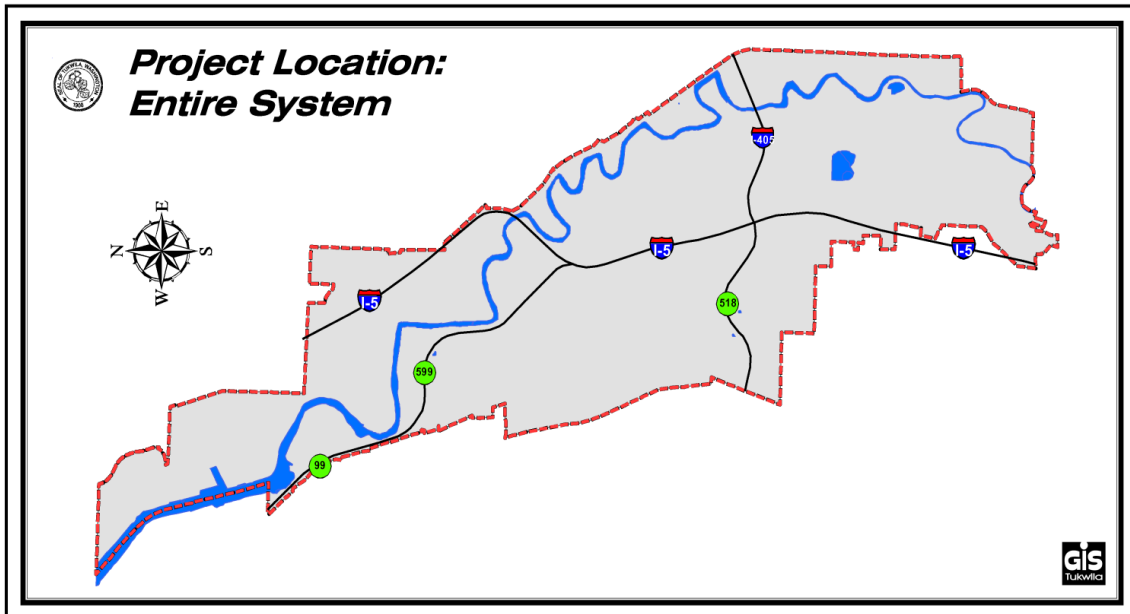
**JUSTIFICATION:** This project is described in the Duwamish Hill Preserve Park Master Plan and is listed as Project DUW-63 in the WRIA 9 Salmon Habitat Plan (2021)

**STATUS:** In 2022, a section of shoreline eroded into the river, creating cracks in the gravel road shoulder. Residents have complained about issues and activities related to vehicles parking along the shoreline.

**MAINT. IMPACT:** Responses to shoreline erosion, roadway shoulder maintenance and clean-up are expected to decrease. Some passive park and roadway element improvements may be expected to increase maintenance (TBD).

**COMMENT:** Consideration being given to omitting parking along the shoreline gravel shoulder. Staff will seek grants to help support this project.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design			20		600					620
Land (R/W)			300							300
Maint./Monitoring										
Const. Mgmt.								600		600
Construction			50					4,000		4,050
<b>TOTAL EXPENSES</b>			<b>370</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>4,600</b>	<b>0</b>	<b>5,570</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant			300		400			4,300		5,000
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue			70		200			300		570
<b>TOTAL SOURCES</b>			<b>370</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>4,600</b>	<b>0</b>	<b>5,570</b>





## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** Soils Reclamation/Decant Facility

Project No. 92341201

**DESCRIPTION:** Construct soils reclamation facility to handle, treat, dispose and/or reuse non-hazardous street sweepings and catch basin cleanings, etc. (formerly named Drainage/Vactor Waste Facility).

**JUSTIFICATION:** To meet State NPDES regulations, the City needs facilities to treat & dispose of waste materials resulting from cleaning/maintenance activities, including street sweepings and Vactor truck wastes.

**STATUS:**

**MAINT. IMPACT:** Expected to decrease maintenance.

**COMMENT:** Will be combined with Public Works Shops. Grants may be available

(in \$000's)	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
<b>EXPENSES</b>										
Design	49		551			1,300			175	2,075
Land (R/W)	561								600	1,161
Const. Mgmt. Construction						250			100	350
									500	500
<b>TOTAL EXPENSES</b>	<b>610</b>	<b>0</b>	<b>551</b>	<b>0</b>	<b>0</b>	<b>1,550</b>	<b>0</b>	<b>0</b>	<b>1,375</b>	<b>4,086</b>
<b>FUND SOURCES</b>										
Proposed Grant			468			1,000				1,468
Bond										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	610	0	83		0	550	0	0	1,375	2,618
<b>TOTAL SOURCES</b>	<b>610</b>	<b>0</b>	<b>551</b>	<b>0</b>	<b>0</b>	<b>1,550</b>	<b>0</b>	<b>0</b>	<b>1,375</b>	<b>4,086</b>

\* Note: Site Location is still under consideration.

# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** **Tukwila Parkway/Gilliam Creek Surface Water Outfalls** Project No. 91241205

**DESCRIPTION:** Install a new 84" manhole structure on the existing 48" Andover Park W/Tukwila Parkway pipe and a 72" manhole structure on the 30" pipe west of Andover Park E/Tukwila Parkway and provide slide gates with discharge ports.

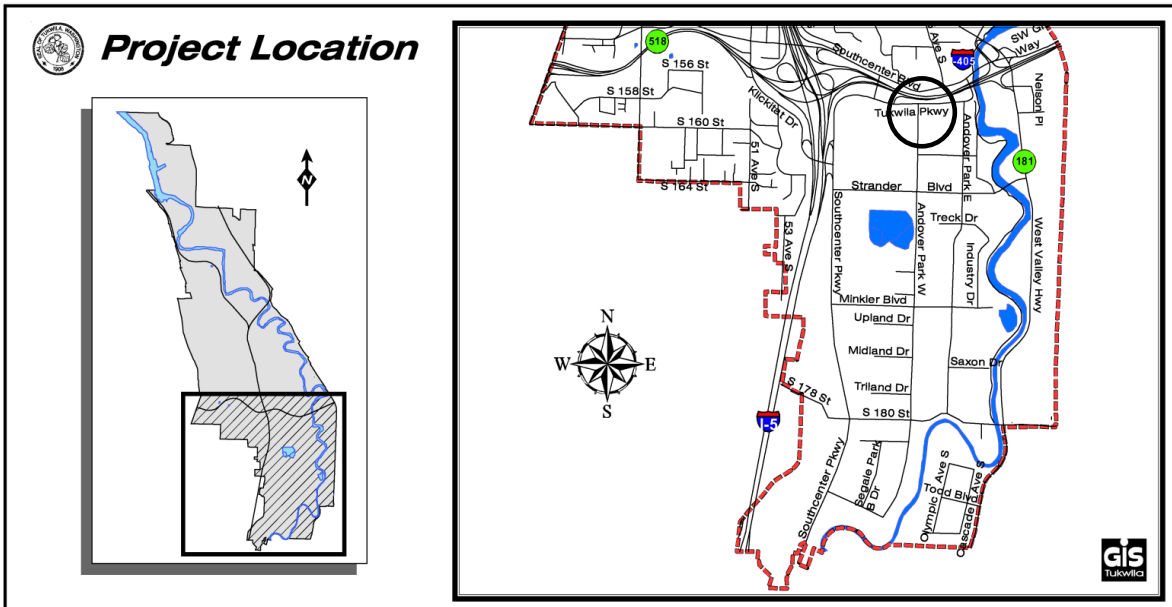
**JUSTIFICATION:** The existing 48" and 30" City stormwater pipes discharge to a 108" WSDOT pipe that conveys Gilliam Creek. The flow line of the WSDOT pipe is approximately 1.6 feet above that of the City pipes that discharge to it. This results in a backwater condition within the City pipes for several hundred feet and prevents inspection and cleaning of those pipes.

**STATUS:** Maintenance inspected system in 2015 and determined pipes are in adequate condition.

**MAINT. IMPACT:** After project completion, maintenance will be able to clean and inspect the pipes.

**COMMENT:** New manhole structures will include the slide gates which will control water flow during maintenance.

FINANCIAL (in \$000's)	Through Estimated									
	2021	2022	2023	2024	2025	2026	2027	2028	BEYOND	TOTAL
EXPENSES										
Design					60					60
Land (R/W)										0
Const. Mgmt.						65				65
Construction						350				350
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>415</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>475</b>
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	0	0	0	0	60	415	0	0	0	475
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>415</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>475</b>



# CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2023 to 2028

**PROJECT:** S 146th St Pipe and 35th Ave S Drainage System

Project No. 90341214

**DESCRIPTION:** Replace existing storm drainage system on S 146th St and provide new storm drainage system for 35th Ave S. Provide asphalt overlay and extruded asphalt curb for both streets.

**JUSTIFICATION:** Reduce right-of-way and private property flooding by increasing the capacity of the storm drainage system.

**STATUS:** Maintenance is monitoring area during storm events.

**MAINT. IMPACT:** Expanded system will require additional maintenance.

**COMMENT:**

FINANCIAL (in \$000's)	Through Estimated		2023	2024	2025	2026	2027	2028	BEYOND	TOTAL	
	2021	2022									
<b>EXPENSES</b>											
Design										166	166
Land (R/W)											0
Const. Mgmt.										150	150
Construction										750	750
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,066</b>	<b>1,066</b>
<b>FUND SOURCES</b>											
Awarded Grant											0
Proposed Grant											0
Mitigation Actual											0
Mitigation Expected											0
Utility Revenue	0	0	0	0	0	0	0	0	0	1,066	1,066
<b>TOTAL SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,066</b>	<b>1,066</b>

