

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 1

CONVENE: 8:00 a.m.

PRESENT: Chair Eileen Swarthout and Councilmembers Michael Althausen and Charlie Schneider.

Staff: City Administrator Lisa Parks, City Attorney Karen Kirkpatrick, Transportation and Engineering Director Brandon Hicks, Finance Director Troy Niemeyer, Water Resources and Sustainability Director Dan Smith, Assistant Transportation and Engineering Director Mary Heather Ames, Communications Manager Ann Cook, Community Engagement Specialist Marnie McGrath, and Administrative Assistant Bonnie Hale.

Others: Meridith Greer, Greer Environmental Consulting

SERVICE PROVIDER AGREEMENT WITH STANTEC FOR THE PIONEER PARK RIPARIAN RESTORATION PROJECT AMENDMENT 2:

Director Smith reported the proposed action is an amendment with Stantec for the Pioneer Park Restoration project.

Meridith Greer, Greer Environmental Consulting, reported the project area is located in the southwestern area of Pioneer Park where the park meets Deschutes River. The site is active with the river moving approximately 10 feet each year. Because of the location of the site, the river has encountered water quality impairments and movement of the river has created bank erosion and other problems. Movement of the river over the last eight years has been substantial when the project was initiated to identify some solutions to slow bank erosion and replant riparian areas. Ultimately, Deschutes River and Pioneer Park are at risk for high water temperature, fine sediment, and insufficient riparian areas with trees to create habitat for fish and wildlife as trees fall into the river. Pioneer Park is also very heavily used by the Tumwater community and others in Thurston County. Public risk is another consideration of the project. The river does not honor the location of trails and it is important to create options for park users. The park also experiences flooding and any solutions need to consider flooding occurrences.

The City received grant funds of \$450,000 from the Department of Ecology to complete design, permitting, and construction. The City contracted with Stantec to complete design and permitting. The grant timeline for completion of design, permitting, and construction was three years. The original timeline from October 2021 through October 2024 enabled completion of design. However, because the project is complicated and located within an active water body, staff sought feedback from permitting agencies to ensure the timeline was realistic. Last fall, staff met with Department of Ecology staff and the U.S. Army Corps of Engineers to review the project. The U.S. Army Corps of Engineers advised that any project involving in-water work would require a two-year permitting review process that would affect the three-year plan.

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 2

Staff alternatively considered focusing only on bank stabilization and riparian restoration and installing large woody debris structures in place without any in-water work to meet the three-year deadline. Many stakeholders were involved in reviewing the project in February 2023. A consensus for the revised project scope was not achieved because most stakeholders did not believe the scope would restore normal river functions because of the lack of any in-water work. Staff revisited the scope to meet the goals of improving water quality and habitat while conforming to the requirements of the grant. Following negotiations between many parties, a new project scope was developed focusing on multi-benefits and solutions to increase river complexity. The Department of Ecology agreed to change the grant to cover design only affording time and flexibility to seek funding. Staff plans to apply for another grant for construction funding. Revision of the grant initiates a new timeline beginning in 2024 through 2027 to complete the project.

The next step is updating the service provider agreement with Stantec to account for the change in project scope, re-design, additional permitting, and extending the agreement to 2027. The amendment increases the budget by approximately \$50,000 to account for the changes. Staff and the Department of Ecology will work on amending the current grant agreement. Stantec and project stakeholders will work on updating the conceptual designs with staff applying for construction funding from the Department of Ecology in the fall.

Director Smith requested the committee recommend the City Council approve and authorize the Mayor to sign the Service Provider Agreement with Stantec for the Pioneer Park Riparian Restoration Project Amendment 2, extending time and increasing the budget to complete the design and permitting elements of the project.

Chair Swarthout mentioned the degree of erosion of the riverbank over the last several years and whether further delays in the project would contribute to more erosion affecting both the riverbank and Pioneer Park. Director Smith explained that each season of delay results in more erosion. Staff encountered project challenges after learning about the permitting window and considered ways to shift the design to implement some actions in the near-term to help reduce erosion. However, stakeholders preferred to move forward with a project holistically despite impacts to the shoreline in near-term to ensure the City is able to secure funding for construction from the Department of Ecology and permitting from the U.S. Army Corps of Engineers.

Councilmember Althausen asked whether the stakeholders support the second alternative despite concerns about the log strategy. Director Smith said the stakeholders represent a significant number of WRIA 13 members representing lead entity groups addressing salmon and in-water habitat improvements. Stakeholders were supportive of a more comprehensive approach versus a scope that limits the project to shoreline improvements as proposed by staff to overcome the permitting timeline. Stakeholders

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 3

recognized the timing issues but agreed the results of the project with in-water work would be more beneficial for the river system.

Director Smith responded to questions about the extent of changes in the new project scope. Staff plans to retain the existing shoreline design to some degree with the addition of different methods to rechannelize some areas to redirect flows and reduce energy to minimize erosion as water moves through the channel. That work will entail in-water work requiring permitting through the U.S. Army Corps of Engineers.

Councilmember Althaus asked whether staff plans to take advantage of grant opportunities created by the Legislature when it increased the amount of funds available for salmon and habitat restoration projects. Director Smith affirmed Ms. Greer and staff plan to submit applications for other projects to take advantage of the funds.

Chair Swarthout asked whether any remediation would be necessary to remove the build-up of sediment near the entry area into the river. Ms. Greer said no dredging of the river is anticipated. Much of the fine sediment is pushed further downstream and settling above Tumwater Falls or traveling to Capitol Lake. The river is part of the normal sediment transport system. The intent of the project is restoration of natural processes to reduce the amount of fine sediment from the riverbank due to erosion by the river.

MOTION:

Councilmember Althaus moved, seconded by Councilmember Schneider, to recommend the City Council approve and authorize the Mayor to sign the Service Provider Agreement with Stantec for the Pioneer Park Riparian Restoration Project Amendment 2. A voice vote approved the motion unanimously.

CAPITAL FACILITIES PLAN (CFP) 2024-2029: WATER, SANITARY SEWER, AND STORM DRAIN BRIEFING:

Director Smith briefed members on Water, Sanitary Sewer, and Storm Drainage Plans of the Capital Facilities Plan (CFP) for 2024-2029. The CFP is not a financial commitment but a plan of forecasted projects based on growth, funding, staffing capacity, and needs. Projects included in the CFP are generated from many different planning reports, basin assessments, anticipated growth in different areas of the City, and operational needs. The CFPs for utilities total 49 projects. The projects are not funded from the City's general fund as utility budgets fund the projects totaling \$123.2 million over the six-year plan.

For Water Fund projects, staff considers security, water quality, source development, mitigation, growth, operational issues associated with fire flow, water pressure, and infrastructure needs. The Water Fund supports infrastructure and programs that support the operation and expansion of the City's drinking water utility.

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 4

All Utility CFPs are enterprise funds. Revenues are generated through rates, connection fees, and utility taxes. The City also uses grants, loans, bonds, and other miscellaneous sources to fund projects.

The Water Fund includes 14 projects with two new projects. The Israel Road Linderson Water Main project will be completed this year, as well as the Trosper/6th Water Main Replacement & Extensive project. Those projects have been removed from the CFP.

The first new project is the Well 15 Improvements project under the category of security improvements. Well 15 is the City's second largest producer of potable water. The project includes some additional security, water quality protections, and auxiliary power. The project will begin in 2025 at a cost of \$950,000.

The second project is a planning project recommended by a homeland security evaluation and water system and sewer system planning processes. The project is a moderate seismic resiliency study to establish level of service goals for utility operations after a major seismic event, updating geotechnical hazard maps, developing processes for facility structural resilience evaluations on critical structures and distribution systems, and preparation of a critical interdependencies assessment. The project will result in the development of an implementation strategy, identifying all the recommendations for reducing vulnerabilities and mitigating risk for both water and sewer utilities. The study will be a multi-year study effort with the costs shared between Water and Sewer Utilities.

The remaining 12 projects focus on source development, growth, infrastructure maintenance, and programs and planning. Source development includes construction of infrastructure for the Brewery Wellfield to implement the water rights the City acquired several years ago. The City contracted with a consultant and the new Water Resources Program Manager will lead the project.

New source development is in progress. An agreement will be presented to the Council for a consultant to assist the City. Another project underway is the Southeast Reservoir and System Extension project located off 93rd Avenue. A three-million gallon reservoir will be installed off 93rd Avenue.

Two projects under the category of infrastructure maintenance include Capitol Boulevard and X Street Watermain and Resource Conservation & Sustainability with assistance of a consultant to review existing facilities for long-term operational sustainability. Programs and planning projects include ongoing and routine efforts.

The Sanitary Sewer Fund is the City's wastewater service comprised only of the conveyance system with service provided the LOTT Clean Water System

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 5

for wastewater treatment. The CFP includes projects focused on infrastructure replacement and expansion. Projects are funded from rates and connection fees, grants, revenue bonds, loans, and miscellaneous revenue sources. The CFP includes 14 projects with two projects completed. One project is related to the Capitol Boulevard/Trosper Road Improvements project. The second project completed is Resource Conservation and Sustainability Evaluation of the system for potential improvements.

Councilmember Althaus asked whether solarization of infrastructure represents more of a funding challenge or a technological challenge in terms of generating sufficient power. Director Smith said the major challenge is the size of the solar array required in specific locations. Many of the sites are located in forested areas. Staff worked with a consultant on a Citywide analysis of facilities and operations. The analysis did not identify any cost efficiency or cost-effectiveness solutions that would achieve the power required.

The fund's portion of the Seismic Resiliency Plan is significantly larger than the Water Fund portion. The plan is estimated to cost approximately \$300,000 over a two-year period.

Another new project is the Kimmie Street Lift Station based on deficiencies identified in the 2015 Water System Plan. Next year, early initial evaluations are planned with design and permitting scheduled in 2025 with construction in 2026. The project is only a forecast at this time as staff is launching a review of the Sewer System Comprehensive Plan, which will inform the priority for the project and other projects.

Director Smith reviewed other projects in the Sanitary Sewer CFP:

- Annual Sewer Infrastructure Replacement Program
- Oversizing Program
- Regional Pump Station
- Old Highway 99 Extension: 79th Avenue To 88th Avenue
- City Operations and Maintenance Facility Relocation
- Streamland Estates Lift Station
- Lloyd Street Lift Station
- Comprehensive Plan Review/Update
- Enterprise Resource Planning Business System
- I-5 Sanitary Sewer Main Crossings Report

Director Smith reviewed the Storm Drain Fund. Projects are funded primarily from rates and grants. Bond and loans provide other sources of funds as needed. The projects collect and convey stormwater to reduce flooding in the City, treat water to improve water quality and habitat, and meet regulatory requirements of the City's stormwater permit. The Storm Drain CFP totals

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 6

approximately \$30 million comprised of 21 projects. Of the total six-year plan, approximately \$20 million is forecasted from grants, bonds, and loans.

Two recently completed projects include the Lee Street Bioretention Retrofit in conjunction with the Capitol Boulevard/Trosper Road Improvements project. The Deschutes River Flood Reduction and Erosion Study was recently completed and will be presented to the committee at a future meeting.

New projects include:

- Land Acquisition - Wetland/Habitat Conservation - Land Acquisition was expanded to include habitat conservation due to the number of properties that might become available along the Deschutes River and Kirsop area wetlands to meet conservation goals. The scope of the project includes more funding.
- 2028 Stormwater Management Plan Update – preparation activities in support of the update of the Stormwater Management Plan in 2028
- E Dennis Outfall Retrofit – Staff identified an unmitigated and untreated outfall located off E Dennis Street collecting a significant portion of stormwater runoff from the Israel Road area. Some additional work involving programming and analysis will be required prior to construction of the project.

Director Smith responded to questions about the timing of the E Dennis Outfall Retrofit given the seriousness of no treatment of stormwater runoff in that area of the City. He explained that most of the City's stormwater outfalls do not treat stormwater. Some of the more significant outfalls in the City have been retrofitted for treatment. Staff continues to work on several significant outfalls that drain directly to Deschutes River. Staff continues to seek grants. Some conceptual designs have been completed for the larger outfalls. Some work is required prior to the work on the E Dennis Outfall Retrofit project to identify the needed level of treatment. Much of the timing involves the complexity of the project as well as staff capacity and current projects in progress.

Director Smith reviewed remaining projects on the list:

- Tumwater Valley Regional Facility
- Deschutes Habitat Restoration Projects
- Emerging Projects
- East Linwood Basin Outfall Retrofit
- Sapp Road Culvert Replacement
- Kirsop Road Stormwater Improvements
- 54th & Kirsop Road Flooding Reduction
- 66th Ave Culvert Replacement
- North Custer Way Stormwater Redirection
- Beehive Industrial Area Stormwater Improvements
- City Operations and Maintenance Facility Relocation

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 7

- Golf Course Drainage System Repairs – the project involves the drainage system located throughout the golf course discharging directly into the Deschutes River. The system is part of the City’s stormwater system. Those areas have been delineated and are the responsibility of the Storm Drain Utility to maintain and convey.
- Enterprise Resource Planning Business System
- Capitol Boulevard Storm Upsizing
- Crites Stormwater Pond Improvements – Expansion of the facility and improvements
- 29th Avenue Swarthout Stormwater Improvements
- Tumwater Hill Basin Assessment
- Resource Conservation & Sustainability

Chair Swarthout noted that the Council received an email with respect to the storm drain project on the golf course and concerns that some of the area of the golf course could be lost due to drainage. Director Smith reported the site poses a number of challenges with some areas on the golf course experiencing sinkholes and other issues. Funds are available to address those stormwater projects at the golf course. The goal is protecting the course to the extent possible while ensuring the drainage system continues to convey and not undermine the golf course in other areas.

Director Smith said the department was able to balance all utility funds to ensure all funds maintain its operating reserve requirements. Rates for all utilities were increased as well as connection fees. Staffing capacity continues to pose a challenge and although consultant support is available, staff also manage consultant assistance. Inflation and market forces this year have challenged customers and the City with significant increases in labor and materials representing nearly 35%. For example, the Southeast Reservoir project cost has increased by 132% based on bidding results. Despite the increase in costs, staff proposes a water rate increase scenario of 5% to 6% per year with a drop in later years to 4.5%. The scenario also increases the connection fee rates from an existing 2% per year to 4.8% to match the proposed water rate increase. Staff proposes increasing the connection fee in later years to 8.5% to 10% because many of the projects are required to accommodate growth rather than a reflection of the current customer base.

Director Smith outlined the future review process of the CFPs with briefings and a public hearing scheduled by the Planning Commission. Utility CFPs will be presented to the committee if there are any major or significant changes based on feedback from the ongoing review process. The adoption of the CFP is scheduled before the end of the year.

SOMERSET HILL FISH PASSAGE

Ms. Greer provided an update on the status of the Somerset Hill Fish Passage Barrier Removal project. The project involves a culvert conveying Percival Creek under Somerset Hill Drive that was identified as a partial barrier to fish

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 8

BARRIER REMOVAL PROJECT UPDATE:

passage because of velocity. The site was identified because of issues associated with a sanitary sewer main that serves a housing complex. The area of the culvert and street has experienced a high level of erosion due to its location because of the slope. Some trees have eroded in the area and have fallen causing the potential of damaging the sewer main. The project was elevated for those reasons as well as to improve fish habitat and passage.

The project replaces a five-foot wide culvert. To reduce velocity and enable the stream to move naturally, the new culvert must be at least 24 feet wide. Water Resources & Sustainability has been working with Skillings Inc., to review alternatives for crossing structures that will work best for the site. The first option identified was a three-sided box culvert of 24 feet in width. Although the culvert would enable 100% fish passage, the culvert would not enable the stream to flow naturally. Staff is considering three alternatives Skillings identified. The second option is a steel plate arch culvert 24 feet wide. The culvert is 100% fish passable and is the lowest cost option. However, it would not enable the stream to move naturally and it does not include an option for a natural channel bottom. The last option is a pre-fabricated bridge. A bridge would be 100% fish passable and because of its size, stream movement would be natural. The last option is the preferred alternative of project stakeholders. The option is the most expensive for both design and construction.

Staff submitted a funding application to the Salmon Recovery Funding Board for funds for planning to design a prefabricated bridge. The grant would enable the design of the culvert replacement, stream realignment, and bank restoration and stabilization to protect trees and the sewer line. The funding request is for \$280,000 for a project that requires no match from the City. The project is ranked fourth of six projects under consideration by the Board. Based on funding anticipated for the watershed, staff does not believe the project would receive funding this fall; however, next steps include two approaches. Staff is seeking feedback from members on support for continuing to move forward to seek design funding for the prefabricated bridge option. Staff plans to resubmit a grant application to the Board in January 2024. Dependent upon the receipt of funding, The construction date would be 2027 or later.

Director Smith commented that staff is working to secure grants to fund the project. From a priority standpoint, the project was ranked higher because of bank stabilization, erosion, and the sewer main. Because of the outcome of assessments completed this year, more time is available to seek some funding because the project is no longer deemed an emergency.

Ms. Greer noted the existing culvert is rated as a 66% fish passable barrier culvert. The Sapp Road culvert is 100% fish passage barrier and is a more competitive project to receive funding. The City is hindered in terms of project competitiveness because of the number of culverts across the state

TUMWATER PUBLIC WORKS COMMITTEE

MINUTES OF VIRTUAL MEETING

July 20, 2023 Page 9

deemed full fish passage barriers. Based on the recent assessment, sewer infrastructure is not in eminent danger and staff can seek grant funding.

Chair Swarthout asked whether the potential of damage to sewer infrastructure would increase the competitiveness of the project for funding. Director Smith advised that engineering evaluations were conducted of the site by both consultants and the City's engineering team to assess the condition of sewer infrastructure. The consensus was that the site would need to be protected but the need was not eminent enabling time for staff to pursue funding.

ADJOURNMENT: **With there being no further business, Chair Swarthout adjourned the meeting at 9:19 a.m.**

Prepared by Valerie L. Gow, Recording Secretary/President
Puget Sound Meeting Services, psmsoly@earthlink.net

TO: Public Works Committee
FROM: Dan Smith, Water Resources & Sustainability Director
DATE: July 20, 2023
SUBJECT: Capital Facilities Plan (CFP) 2024-2029: Water, Sanitary Sewer, and Storm Drain Briefing

1) Recommended Action:

None; the attachments are provided for discussion only.

2) Background:

The CFP presents City expenditures for a six-year period in five broad, programmatic categories: General Government, Transportation, Water, Sanitary Sewer, and Storm Drain. The CFP is updated every two years, opposite the biennial budget process and is part of the City's Comprehensive Plan update that will be scheduled for Council consideration later this fall.

3) Policy Support:

Most projects across all the utilities have some connection to Council Strategic Goals and Priorities, as well as to multiple plans such as the 2021 Water Comprehensive Plan, 2015 Wastewater Plan, and 2018 Stormwater Management Plan. Staff will review these connections for each project, as applicable.

4) Alternatives:

☐ N/A

5) Fiscal Notes:

The CFP is not a financial commitment, but rather it informs the budget. Funding appropriations are made through the budget process.

6) Attachments:

- A. DRAFT Water CFP Summary and Project sheets
- B. DRAFT Sanitary Sewer CFP Summary and Project sheets
- C. DRAFT Storm Drain CFP Summary and Project sheets

FINANCIAL PLAN FOR THE WATER FUND

PROJECT	EXPENSES		6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YRS	GRAND TOTAL
Capital Projects:		LEAD									
1	Water Rights Acquisition	WRS	\$ 6,400,000	\$ 3,500,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ -	\$ 6,400,000
2	Brewery Wellfield - Water Production Infrastructure	WRS	\$ 10,297,500	\$ 250,000	\$ 5,962,500	\$ 2,990,000	\$ 365,000	\$ 365,000	\$ 365,000	\$ -	\$ 10,297,500
3	Brewery Wellfield - Abandon Existing Wells	WRS	\$ 750,000	\$ 443,750	\$ 306,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
4	Emerging Projects / Oversizing	TED	\$ 510,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ -	\$ 510,000
5	Water Main Replacement and Extension Program	TED	\$ 2,350,000	\$ -	\$ 50,000	\$ 750,000	\$ 750,000	\$ 50,000	\$ 750,000	\$ -	\$ 2,350,000
6	Well 15 Improvements	WRS	\$ 950,000	\$ -	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,000
7	City Operations and Maintenance Facility Relocation	TED	\$ 16,670,139	\$ 1,839,200	\$ 10,198,988	\$ 1,964,988	\$ 888,988	\$ 888,988	\$ 888,988	\$ -	\$ 16,670,139
8	Southeast Reservoir & System Extension	TED	\$ 25,672,222	\$ 12,550,000	\$ 7,024,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ -	\$ 25,672,222
9	New Source Development Planning	WRS	\$ 10,195,223	\$ 625,000	\$ 825,000	\$ 250,000	\$ 1,750,000	\$ 2,622,612	\$ 4,122,612	\$ 6,000,000	\$ 16,195,223
10	Enterprise Resource Planning Business System	FIN	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 200,000
11	Water Comprehensive Plan Update	WRS	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 125,000	\$ 125,000	\$ 275,000
12	Capitol Blvd and X St Watermain	TED	\$ 650,000	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000
13	Resource Conservation & Sustainability	WRS	\$ 250,000	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
14	Seismic Resilience	WRS	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000
TOTAL CAPITAL PROJECT EXPENSES			\$ 75,125,084	\$ 20,214,617	\$ 26,173,849	\$ 8,211,099	\$ 5,943,432	\$ 6,141,044	\$ 8,441,044	\$ 6,125,000	\$ 81,250,084
SOURCES OF FUNDS:											
General Governmental			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Grants			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Operating Income			\$ 12,687,928	\$ 898,958	\$ 2,669,085	\$ 2,736,460	\$ 2,158,127	\$ 1,792,649	\$ 2,432,649	\$ 100,000	\$ 12,787,928
Connections			\$ 18,161,957	\$ 1,926,458	\$ 3,694,764	\$ 4,398,639	\$ 2,285,306	\$ 2,848,395	\$ 3,008,395	\$ 25,000	\$ 18,186,957
Revenue Bonds / Debt			\$ 50,275,200	\$ 33,275,200	\$ 5,000,000	\$ -	\$ 12,000,000	\$ -	\$ -	\$ -	\$ 50,275,200
TOTAL SOURCES			\$ 81,125,084	\$ 36,100,617	\$ 11,363,849	\$ 7,135,099	\$ 16,443,432	\$ 4,641,044	\$ 5,441,044	\$ 125,000	\$ 81,250,084

SIX YEAR FINANCIAL FORECAST

	2023	2024	2025	2026	2027	2028	2029		2024-2029
REVENUES									
Beginning Fund Balance	\$ 20,552,600	\$ 21,255,464	\$ 34,814,833	\$ 14,528,575	\$ 6,846,326	\$ 13,744,018	\$ 8,786,868		\$ 21,255,464
Charges for Services (Rates & Utility Tax)	\$ 6,216,203	\$ 6,607,824	\$ 7,103,411	\$ 7,600,649	\$ 8,094,692	\$ 8,620,846	\$ 9,138,097		\$ 47,165,519
Misc. Revenues	\$ 288,500	\$ 292,828	\$ 297,220	\$ 301,678	\$ 306,203	\$ 310,796	\$ 315,458		\$ 1,824,184
Operating Income (Sales + Misc.)	\$ 6,504,703	\$ 6,900,651	\$ 7,400,630	\$ 7,902,328	\$ 8,400,895	\$ 8,931,643	\$ 9,453,556		\$ 48,989,703
Connection Charges	\$ 535,000	\$ 550,000	\$ 682,142	\$ 743,535	\$ 817,889	\$ 899,677	\$ 989,645		\$ 4,682,888
DEBT Proceeds (Bonds , Loans, Etc.)	\$ 379,940	\$ 33,275,200	\$ 5,000,000	\$ -	\$ 12,000,000	\$ -	\$ -		\$ 50,275,200
TOTAL REVENUES	\$ 27,972,243	\$ 61,981,316	\$ 47,897,605	\$ 23,174,437	\$ 28,065,109	\$ 23,575,339	\$ 19,230,069		\$ 125,203,255
EXPENDITURES									
O & M (including Administration)	\$ 6,716,779	\$ 6,951,866	\$ 7,195,182	\$ 7,447,013	\$ 7,707,658	\$ 7,977,426	\$ 8,256,636		\$ 45,535,782
Debt Service	\$ -	\$ -	\$ -	\$ 670,000	\$ 670,000	\$ 670,000	\$ 670,000		\$ 2,680,000
Capital	\$ -	\$ 20,214,617	\$ 26,173,849	\$ 8,211,099	\$ 5,943,432	\$ 6,141,044	\$ 8,441,044		\$ 75,125,084
TOTAL EXPENSES	\$ 6,716,779	\$ 27,166,483	\$ 33,369,030	\$ 16,328,112	\$ 14,321,091	\$ 14,788,470	\$ 17,367,680		\$ 123,340,866
ENDING FUND BALANCE	\$ 21,255,464	\$ 34,814,833	\$ 14,528,575	\$ 6,846,326	\$ 13,744,018	\$ 8,786,868	\$ 1,862,389		\$ 1,862,389
UTILITY RESERVE POLICY (20% O&M + Debt Service)	\$ 1,343,356	\$ 1,390,373	\$ 1,439,036	\$ 1,623,403	\$ 1,675,532	\$ 1,729,485	\$ 1,785,327		
RATE Increase	4.8%	4.8%	6.0%	5.5%	5.0%	5.0%	4.5%		
CONNECTION FEE Increase	2.0%	2.0%	8.5%	9.0%	10.0%	10.0%	10.0%		

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-03

WA-1

PROGRAM TITLE: Water Rights Acquisition

PROGRAM DESCRIPTION:

This program includes funding for the purchase and processing of existing water rights to support system growth demands. Funding shown reserves funds for water right acquisitions as opportunities to acquire rights become available. The timing of the expenditures will depend on those opportunities.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# S-3 GROWTH: 100%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ -								\$ -
Land & R-O-W		\$ 5,125,000	\$ 3,500,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000		\$ 5,125,000
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ 1,275,000		\$ 255,000	\$ 255,000	\$ 255,000	\$ 255,000	\$ 255,000		\$ 1,275,000
TOTAL EXPENSES	\$ -	\$ 6,400,000	\$ 3,500,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ -	\$ 6,400,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 1,100,000		\$ 220,000	\$ 220,000	\$ 220,000	\$ 220,000	\$ 220,000	\$ -	\$ 1,100,000
Connections		\$ 2,300,000	\$ 500,000	\$ 360,000	\$ 360,000	\$ 360,000	\$ 360,000	\$ 360,000	\$ -	\$ 2,300,000
Revenue Bonds		\$ 3,000,000	\$ 3,000,000							\$ 3,000,000
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 6,400,000	\$ 3,500,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ -	\$ 6,400,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO. 2017031
NEW: No
PRIOR: WA-05

WA-2

PROGRAM TITLE: Brewery Wellfield - Water Production Infrastructure

PROGRAM DESCRIPTION:

This project provides funding for the development of water production infrastructure necessary to put to beneficial use the water rights acquired from the former Brewery.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# S-5 GROWTH: 80%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 103,000	\$ 400,000	\$ 250,000	\$ 150,000	\$ -					\$ 503,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 8,437,500		\$ 5,812,500	\$ 2,625,000		\$ -			\$ 8,437,500
Equipment		\$ -								\$ -
Other (Debt Service)		\$ 1,460,000			\$ 365,000	\$ 365,000	\$ 365,000	\$ 365,000		\$ 1,460,000
TOTAL EXPENSES	\$ 103,000	\$ 10,297,500	\$ 250,000	\$ 5,962,500	\$ 2,990,000	\$ 365,000	\$ 365,000	\$ 365,000	\$ -	\$ 10,400,500
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 20,600	\$ 867,000	\$ 50,000	\$ -	\$ 598,000	\$ 73,000	\$ 73,000	\$ 73,000	\$ -	\$ 887,600
Connections	\$ 82,400	\$ 4,430,500	\$ 200,000	\$ 962,500	\$ 2,392,000	\$ 292,000	\$ 292,000	\$ 292,000	\$ -	\$ 4,512,900
Revenue Bonds		\$ 5,000,000		\$ 5,000,000						\$ 5,000,000
Other		\$ -								\$ -
TOTAL SOURCES	\$ 103,000	\$ 10,297,500	\$ 250,000	\$ 5,962,500	\$ 2,990,000	\$ 365,000	\$ 365,000	\$ 365,000	\$ -	\$ 10,400,500

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-07

WA-3

PROGRAM TITLE: Brewery Wellfield - Abandon Existing Wells

PROGRAM DESCRIPTION:

This project assumes that new wells will be developed as part of the Brewery Wellfield. Existing wells will be required to be decommissioned by WAC. The costs shown are 1/3 of the total cost which would be shared with Olympia and Lacey as co-owners.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# S-7 GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 100,000	\$ 100,000							\$ 100,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 650,000	\$ 343,750	\$ 306,250						\$ 650,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 750,000	\$ 443,750	\$ 306,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 375,000	\$ 221,875	\$ 153,125						\$ 375,000
Connections		\$ 375,000	\$ 221,875	\$ 153,125						\$ 375,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 750,000	\$ 443,750	\$ 306,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-04

WA-4

PROGRAM TITLE: Emerging Projects / Oversizing

PROGRAM DESCRIPTION:

This funding will be utilized to react to development projects by providing funds for such items as completing "loops" to increase flows, system redundancy, and oversizing costs. Could also be used to fund water line improvements and replacements within City street projects in order to avoid road cuts following road resurfacing.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# D-1 GROWTH: 75%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 60,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000		\$ 60,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 450,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000		\$ 450,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 510,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ -	\$ 510,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 127,500	\$ 21,250	\$ 21,250	\$ 21,250	\$ 21,250	\$ 21,250	\$ 21,250	\$ -	\$ 127,500
Connections		\$ 382,500	\$ 63,750	\$ 63,750	\$ 63,750	\$ 63,750	\$ 63,750	\$ 63,750	\$ -	\$ 382,500
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 510,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ -	\$ 510,000

7/19/2004

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-10

WA-5

PROGRAM TITLE: Water Main Replacement and Extension Program

PROGRAM DESCRIPTION:

This program aims to replace aging water mains and associated infrastructure in the system, including main replacements on roadways in coordination with other utility, road, or development projects that may not have been previously identified as specific replacement projects. Projects may be combined for efficiency and staffing workload, and not necessarily completed on an annual basis. Projects funded by this program shall be tracked for compliance with WA Department of Health requirements and integrated into the City's comprehensive plan updates.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# D-2 GROWTH: 20%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 400,000		\$ 50,000	\$ 100,000	\$ 100,000	\$ 50,000	\$ 100,000		\$ 400,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 1,950,000			\$ 650,000	\$ 650,000		\$ 650,000		\$ 1,950,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 2,350,000	\$ -	\$ 50,000	\$ 750,000	\$ 750,000	\$ 50,000	\$ 750,000	\$ -	\$ 2,350,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 1,880,000	\$ -	\$ 40,000	\$ 600,000	\$ 600,000	\$ 40,000	\$ 600,000	\$ -	\$ 1,880,000
Connections		\$ 470,000	\$ -	\$ 10,000	\$ 150,000	\$ 150,000	\$ 10,000	\$ 150,000	\$ -	\$ 470,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 2,350,000	\$ -	\$ 50,000	\$ 750,000	\$ 750,000	\$ 50,000	\$ 750,000	\$ -	\$ 2,350,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: YES
PRIOR:

W6

PROGRAM TITLE: Well 15 Improvements

PROGRAM DESCRIPTION:

Well #15 is the City's second largest producer, sited on property owned by the Port of Olympia through a perpetual easement. Infrastructure supporting, surrounding, and securing Well 15 is significantly below City standards for production sites. In addition, recent water quality evaluations for corrosion control suggest the City will be required to install corrosion control treatment at multiple production sites, including Well 15. This project will enhance site security and auxillary power, update infrastructure and building to current standard, and install treatment facilities. *Referenced by: 2020 Water System Plan / 2021 Homeland Security Assessment / 2023 Corrosion Control

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: Multiple* PAGE# GROWTH: 20%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 220,000		\$ 220,000						\$ 220,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 430,000		\$ 430,000						\$ 430,000
Equipment		\$ 300,000		\$ 300,000						\$ 300,000
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 950,000	\$ -	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 760,000	\$ -	\$ 760,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 760,000
Connections		\$ 190,000	\$ -	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 950,000	\$ -	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources and Sustainability
PROJECT NO. 2016025
NEW: No
PRIOR: WA-17

WA-7

PROGRAM TITLE: City Operations and Maintenance Facility Relocation

PROGRAM DESCRIPTION:

This project includes the demolition, master planning, design and construction for a new Public Works Operations and Maintenance Facility at the City's Trails End Drive property. Site costs are distributed 34% General Fund, 33% Water, 17% Sewer, and 17% Storm. Offsite mitigation costs are distributed 50% General Fund and Transportation CFP, 24% Water, 13% Sewer, and 13% Storm. Construction will use debt financing, either revenue bond or PWTF loan. Debt payments are included in expenditures.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: City Hall Campus Master Plan PAGE# GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 330,800	\$ 697,200	\$ 697,200							\$ 1,028,000
Land & R-O-W	\$ 281,503	\$ -								\$ 281,503
Construction	\$ 144,531	\$ 9,860,000	\$ 986,000	\$ 7,888,000	\$ 986,000					\$ 10,004,531
Equipment		\$ 498,000		\$ 498,000						\$ 498,000
Other (incl. Arts & Debt)	\$ 72,000	\$ 5,614,939	\$ 156,000	\$ 1,812,988	\$ 978,988	\$ 888,988	\$ 888,988	\$ 888,988		\$ 5,686,939
TOTAL EXPENSES	\$ 828,833	\$ 16,670,139	\$ 1,839,200	\$ 10,198,988	\$ 1,964,988	\$ 888,988	\$ 888,988	\$ 888,988	\$ -	\$ 17,498,972
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 414,417	\$ 4,444,939		\$ 888,988	\$ 888,988	\$ 888,988	\$ 888,988	\$ 888,988		\$ 4,859,355
Connections	\$ 414,417	\$ -								\$ 414,417
Revenue Bonds		\$ 12,225,200	\$ 12,225,200							\$ 12,225,200
Other		\$ -								\$ -
TOTAL SOURCES	\$ 828,833	\$ 16,670,139	\$ 12,225,200	\$ 888,988	\$ 888,988	\$ 888,988	\$ 888,988	\$ 888,988	\$ -	\$ 17,498,972

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-13

WA-8

PROGRAM TITLE: Southeast Reservoir & System Extension

PROGRAM DESCRIPTION:

This project would design and construct a new 3.0 Million Gallon reservoir south of 93rd Avenue on property that has been previously acquired for this purpose. The project will also include the piping necessary to extend the City water system along 93rd Avenue to the reservoir from the Preserve development. Construction of the project is assumed to be funded with a revenue bond or Public Works Trust Fund Loan. Debt service payments included.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# M-9 GROWTH: 80%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 1,200,000	\$ 550,000	\$ 550,000							\$ 1,750,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 17,500,000	\$ 12,000,000	\$ 5,500,000						\$ 17,500,000
Equipment		\$ -								\$ -
Other		\$ 7,622,222		\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444		\$ 7,622,222
TOTAL EXPENSES	\$ 1,200,000	\$ 25,672,222	\$ 12,550,000	\$ 7,024,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ -	\$ 26,872,222
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 240,000	\$ 1,524,444	\$ -	\$ 304,889	\$ 304,889	\$ 304,889	\$ 304,889	\$ 304,889		\$ 1,764,444
Connections	\$ 960,000	\$ 6,097,778	\$ -	\$ 1,219,556	\$ 1,219,556	\$ 1,219,556	\$ 1,219,556	\$ 1,219,556	\$ -	\$ 7,057,778
Revenue Bonds		\$ 18,050,000	\$ 18,050,000		\$ -	\$ -	\$ -	\$ -		\$ 18,050,000
Other		\$ -								\$ -
TOTAL SOURCES	\$ 1,200,000	\$ 25,672,222	\$ 18,050,000	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ 1,524,444	\$ -	\$ 26,872,222

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

WA-9

PROGRAM TITLE: New Source Development Planning

PROGRAM DESCRIPTION:

This project will initiate the planning efforts for additional source development in the City of Tumwater, and reserves funding for the design and installation of wells and other infrastructure necessary to produce potable water. Phase 1, "Explore Supply Needs & Options" will occur 2023-2024. Phase 2 will evaluate in greater detail the most feasible alternatives identified in Phase 1, 2024-2025, and Phase 3+ will be the implementation of the recommendations developed in Phase 2, including the design, permitting, installation, and testing of new wells, and ultimately construction of a production site and treatment plant. Costs for future phases will be refined following initial

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# 6-8 GROWTH: 80%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 1,450,000	\$ 125,000	\$ 325,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000		\$ 1,450,000
Land & R-O-W		\$ 1,000,000	\$ 500,000	\$ 500,000						\$ 1,000,000
Construction		\$ 6,000,000				\$ 1,500,000	\$ 1,500,000	\$ 3,000,000	\$ 6,000,000	\$ 12,000,000
Equipment		\$ -								\$ -
Other		\$ 1,745,223					\$ 872,612	\$ 872,612		\$ 1,745,223
TOTAL EXPENSES	\$ -	\$ 10,195,223	\$ 625,000	\$ 825,000	\$ 250,000	\$ 1,750,000	\$ 2,622,612	\$ 4,122,612	\$ 6,000,000	\$ 16,195,223
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 839,045	\$ 125,000	\$ 165,000	\$ 50,000	\$ 50,000	\$ 224,522	\$ 224,522		\$ 839,045
Connections		\$ 3,356,179	\$ 500,000	\$ 660,000	\$ 200,000	\$ 200,000	\$ 898,089	\$ 898,089		\$ 3,356,179
Revenue Bonds		\$ 12,000,000				\$ 12,000,000				\$ 12,000,000
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 16,195,223	\$ 625,000	\$ 825,000	\$ 250,000	\$ 12,250,000	\$ 1,122,612	\$ 1,122,612	\$ -	\$ 16,195,223

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-15

WA-10

PROGRAM TITLE: Enterprise Resource Planning Business System

PROGRAM DESCRIPTION:

Replacement and implementation of the current ERP System (Tyler Eden), currently estimated at approximately \$2.5 million. The City currently uses Tyler Technology's Eden program, which is no longer supported or upgraded. This system manages the billing and financial programs for the utilities, among other critical functions for the City, like payroll and permitting. The cost for both vendor fees, technology, and City staff time to implement is split between General Fund (50%) and the Water, Sewer and Storm utilities (50%).

IS PROJECT RECOMMENDED BY PLAN/POLICY?

PLAN:

PAGE#

GROWTH:

20%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ -								\$ -
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other (Software, etc.)	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667					\$ 400,008
TOTAL EXPENSES	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 400,008
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 160,006	\$ 160,000	\$ 53,333	\$ 53,333	\$ 53,333					\$ 320,006
Connections	\$ 40,002	\$ 40,000	\$ 13,333	\$ 13,333	\$ 13,333					\$ 80,002
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 400,008

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-18

WA-11

PROGRAM TITLE: Water Comprehensive Plan Update

PROGRAM DESCRIPTION:

The WA Department of Health (DOH) requires the City update the Water System Comprehensive Plan every ten years. The current plan, completed in 2021, will need to be updated and approved by DOH by November 2031. The Water Comp Plan update includes an assessment of water rights and production capacity, treatment needs, and distribution system. The report also reviews the City's wellhead protection, water conservation, and water quality programs, makes recommendations for capital improvements and ensures the City has financial resources to implement the plan and protect public health.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# M-9 GROWTH: 20%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ 150,000					\$ 25,000	\$ 125,000	\$ 125,000	\$ 275,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 125,000	\$ 125,000	\$ 275,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 120,000					\$ 20,000	\$ 100,000	\$ 100,000	\$ 220,000
Connections		\$ 30,000					\$ 5,000	\$ 25,000	\$ 25,000	\$ 55,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 125,000	\$ 125,000	\$ 275,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-13

WA-12

PROGRAM TITLE: Capitol Blvd and X St Watermain

PROGRAM DESCRIPTION:

This project will upsize existing 8-inch AC watermain along Capitol Blvd with 16-inch ductile iron pipe in conjunction with a Transportation CFP project. Undersized cast iron watermain on X Street within project limits will also be replaced. Infrastructure upgrades along Capitol are consistent with seismic protection recommendations.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Water System Plan PAGE# GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 100,000	\$ -								\$ 100,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 650,000	\$ 650,000							\$ 650,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 100,000	\$ 650,000	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 50,000	\$ 325,000	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Connections	\$ 50,000	\$ 325,000	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 100,000	\$ 650,000	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: WA-14

WA-13

PROGRAM TITLE: Resource Conservation & Sustainability

PROGRAM DESCRIPTION:

Set aside funds to support the implementation of City Green Team initiatives and recommendations identified in the Regional Climate Action Plan.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Green Team / Climate Action Plan PAGE# GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 250,000	\$ 125,000	\$ 125,000						\$ 250,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 250,000	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 125,000	\$ 62,500	\$ 62,500			\$ -			\$ 125,000
Connections		\$ 125,000	\$ 62,500	\$ 62,500			\$ -			\$ 125,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 250,000	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Water
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: YES
PRIOR:

WA-14

PROGRAM TITLE: Seismic Resilience

PROGRAM DESCRIPTION:

Conduct a moderate seismic resiliency study to establish Level of Service goals for utility operation after a major seismic event, update geotechnical hazard maps, develop processes for facility structural resilience evaluations on critical structures and distribution systems, and prepare a critical interdependencies assessment. This project will result in the development of an implementation strategy, identifying all the recommendations for reducing vulnerabilities and mitigating risk for both water and sewer utilities. This is the Drinking Water Fund portion.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: 2021 Water System Plan PAGE# 7-14 GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 80,000	\$ 80,000							\$ 80,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Connections		\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000

FINANCIAL PLAN FOR THE SANITARY SEWER FUND

PROJECT	EXPENSES	LEAD	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YRS	GRAND TOTAL
Capital Projects:											
1	Annual Sewer Infrastructure Replacement Program	TED/WRS	\$ 3,194,700	\$ 920,000	\$ -	\$ 1,058,000	\$ -	\$ 1,216,700	\$ -	\$ -	\$ 3,194,700
2	Oversizing Program	WRS	\$ 412,500	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ -	\$ 412,500
3	Regional Pump Station	TED	\$ 1,745,000	\$ -	\$ 445,000	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,745,000
4	Old Highway 99 Extension: 79th Avenue to 88th Avenue	TED	\$ 225,000	\$ 15,000	\$ -	\$ 210,000	\$ -	\$ -	\$ -	\$ 870,000	\$ 1,095,000
5	City Operations and Maintenance Facility Relocation	TED	\$ 5,716,500	\$ 300,000	\$ 2,411,500	\$ 2,525,000	\$ 160,000	\$ 160,000	\$ 160,000	\$ -	\$ 5,716,500
6	Streamland Estates Lift Station	TED	\$ 460,000	\$ 460,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 460,000
7	Lloyd Street Lift Station	TED	\$ 537,500	\$ 537,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 537,500
8	Sewer Extension Program	TED/WRS	\$ 4,140,000	\$ -	\$ 1,150,000	\$ -	\$ 1,380,000	\$ -	\$ 1,610,000	\$ -	\$ 4,140,000
9	Comprehensive Plan Review/Update	WRS	\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,000
10	Enterprise Resource Planning Business System	FIN	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 200,000
11	I-5 Sanitary Sewer Main Crossings Report	WRS	\$ 125,000	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
12	Capitol Blvd and X St Sewer	TED	\$ 300,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
13	Seismic Resiliency Plan	WRS	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
14	Kimmee Street Lift Station	WRS	\$ 717,500	\$ 62,500	\$ 155,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 717,500
TOTAL EXPENSES			16,946,200	2,620,417	4,846,917	5,853,417	1,608,750	1,445,450	1,838,750	870,000	19,083,700
SOURCES OF FUNDS:											
	General Governmental		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grants		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Operating Income		\$ 10,126,525	\$ 1,319,458	\$ 2,895,458	\$ 1,508,458	\$ 1,546,875	\$ 1,079,400	\$ 1,776,875	\$ 87,000	\$ 10,213,525
	Connections		\$ 5,887,175	\$ 1,300,958	\$ 2,116,458	\$ 1,979,958	\$ 61,875	\$ 366,050	\$ 61,875	\$ 783,000	\$ 6,670,175
	Revenue Bonds/Debt		\$ 2,200,000	\$ -	\$ 2,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,200,000
TOTAL SOURCES			\$ 18,213,700	\$ 2,620,417	\$ 7,211,917	\$ 3,488,417	\$ 1,608,750	\$ 1,445,450	\$ 1,838,750	\$ 870,000	\$ 19,083,700

SIX YEAR FINANCIAL FORECAST

									TOTAL	
SEWER	2023	2024	2025	2026	2027	2028	2029			2024-2029
REVENUES										
<i>Beginning Fund Balance</i>	\$ 16,967,288	\$ 16,735,150	\$ 14,259,958	\$ 11,792,791	\$ 5,815,679	\$ 4,121,015	\$ 2,719,437			\$ 16,735,150
Charges for Service (Rates & Utility Tax)	\$ 3,181,675	\$ 3,416,705	\$ 3,658,693	\$ 3,899,253	\$ 4,155,628	\$ 4,428,861	\$ 4,720,059			\$ 24,279,199
Misc. revenues	\$ 13,250	\$ 13,449	\$ 2,213,650	\$ 13,855	\$ 14,063	\$ 14,274	\$ 14,488			\$ 2,283,780
<i>Operating Income (Sales + Misc.) Subtotal</i>	\$ 3,194,925	\$ 3,430,154	\$ 5,872,344	\$ 3,913,108	\$ 4,169,692	\$ 4,443,135	\$ 4,734,547			\$ 26,562,979
LOTT (Pass Thru incl. CDC)	\$ 6,602,500	\$ 6,800,575	\$ 7,004,592	\$ 7,214,730	\$ 7,431,172	\$ 7,654,107	\$ 7,883,730			\$ 43,988,907
Interfund Payment (P&I) - Golf Course	\$ 36,003	\$ 182,139	\$ 174,819	\$ -	\$ -	\$ -	\$ -			\$ 356,958
Connection & Development Fees	\$ 421,750	\$ 603,716	\$ 544,099	\$ 480,361	\$ 412,310	\$ 424,680	\$ 437,420			\$ 2,902,585
TOTAL REVENUES	\$ 10,255,178	\$ 27,751,734	\$ 27,855,812	\$ 23,400,990	\$ 17,828,852	\$ 16,642,936	\$ 15,775,134			\$ 90,546,580
EXPENDITURES										
O & M (including Administration)	\$ 3,884,816	\$ 4,020,785	\$ 4,161,512	\$ 4,307,165	\$ 4,457,916	\$ 4,613,943	\$ 4,775,431			\$ 26,336,751
Debt Service	\$ -	\$ -	\$ -	\$ 160,000	\$ 160,000	\$ 160,000	\$ 160,000			\$ 640,000
Capital	\$ -	\$ 2,670,417	\$ 4,896,917	\$ 5,903,417	\$ 1,658,750	\$ 1,495,450	\$ 1,888,750			\$ 18,513,700
LOTT (Pass Thru incl. CDC)	\$ 6,602,500	\$ 6,800,575	\$ 7,004,592	\$ 7,214,730	\$ 7,431,172	\$ 7,654,107	\$ 7,883,730			\$ 43,988,907
TOTAL EXPENSES	\$ 10,487,316	\$ 13,491,776	\$ 16,063,021	\$ 17,585,312	\$ 13,707,838	\$ 13,923,500	\$ 14,707,911			\$ 89,479,357
ENDING FUND BALANCE	\$ 16,735,150	\$ 14,259,958	\$ 11,792,791	\$ 5,815,679	\$ 4,121,015	\$ 2,719,437	\$ 1,067,222			\$ 1,067,222
<i>UTILITY RESERVE POLICY (20% O&M + Debt Service)</i>	\$ 776,963	\$ 804,157	\$ 832,302	\$ 893,433	\$ 923,583	\$ 954,789	\$ 987,086			
<i>Rate Increases</i>	5.8%	5.8%	5.5%	5.0%	5.0%	5.0%	5.0%			
<i>Connection Fee Increases</i>	2.8%	2.8%	3.0%	3.0%	3.0%	3.0%	3.0%			

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-01

PROGRAM TITLE: Annual Sewer Infrastructure Replacement Program

PROGRAM DESCRIPTION:

This project provides for the systematic rehabilitation of aging sanitary sewer lines in various areas of the City. The funding demonstrates an initial planning project to evaluate and define projects to be completed. A prioritized list of projects include Tumwater Hill (2024) to address aging infrastructure, and I&I concerns, and the Capitol Blvd and Palermo areas (2026) to replace mains containing asbestos concrete installed approximately 65 years ago. 2028 project(s) to be determined. The actual construction method will be based on the characteristics of the individual replacements.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: 2015 General Sewer Plan PAGE# 8-7 GROWTH: 25%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 416,700	\$ 120,000		\$ 138,000		\$ 158,700			\$ 416,700
Land & R-O-W										
Construction		\$ 2,778,000	\$ 800,000		\$ 920,000		\$ 1,058,000			\$ 2,778,000
Equipment										
Other										
TOTAL EXPENSES	\$ -	\$ 3,194,700	\$ 920,000	\$ -	\$ 1,058,000	\$ -	\$ 1,216,700	\$ -	\$ -	\$ 3,194,700
Sources of Funds:										
General Government										\$ -
Grants										\$ -
Operating Income		\$ 2,396,025	\$ 690,000		\$ 793,500		\$ 912,525			\$ 2,396,025
Connections		\$ 798,675	\$ 230,000		\$ 264,500		\$ 304,175			\$ 798,675
Revenue Bonds										
L.I.D.'s										
Other										
TOTAL SOURCES	\$ -	\$ 3,194,700	\$ 920,000	\$ -	\$ 1,058,000	\$ -	\$ 1,216,700	\$ -	\$ -	\$ 3,194,700

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-02

PROGRAM TITLE: Oversizing Program

PROGRAM DESCRIPTION:

The City will participate in the funding for projects identified in the Sanitary Sewer Comprehensive Plan to the extent the sewers are constructed as "oversized" relative to the needs of the participating development. The oversizing costs shall be the incremental cost above the cost required to install an 8-inch line. Oversizing will only be funded for those projects where the diameter of pipe required is larger than the capacity needs of the development, exceeding 8-inches.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: 2015 General Sewer Plan PAGE# 8-1 GROWTH: 90%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ -								\$ -
Land & R-O-W		\$ -								\$ -
Construction		\$ 412,500	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750		\$ 412,500
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 412,500	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ -	\$ 412,500
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 41,250	\$ 6,875	\$ 6,875	\$ 6,875	\$ 6,875	\$ 6,875	\$ 6,875	\$ -	\$ 41,250
Connections		\$ 371,250	\$ 61,875	\$ 61,875	\$ 61,875	\$ 61,875	\$ 61,875	\$ 61,875	\$ -	\$ 371,250
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 412,500	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ 68,750	\$ -	\$ 412,500

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-03

PROGRAM TITLE: Regional Pump Station

PROGRAM DESCRIPTION:

This project would fund the construction of a regional pump station in one of the growth areas of the City. City funding of the station would be to prevent the development of on-site community septic systems in areas of small developments where the construction of a regional station isn't financially feasible. Location and timing of the project would be determined based on development activity.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: 2015 General Sewer Plan PAGE# 8-1 GROWTH: 90%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 195,000		\$ 195,000						\$ 195,000
Land & R-O-W		\$ 250,000		\$ 250,000						\$ 250,000
Construction		\$ 1,300,000			\$ 1,300,000					\$ 1,300,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 1,745,000	\$ -	\$ 445,000	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,745,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 174,500	\$ -	\$ 44,500	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ 174,500
Connections		\$ 1,570,500	\$ -	\$ 400,500	\$ 1,170,000	\$ -	\$ -	\$ -	\$ -	\$ 1,570,500
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 1,745,000	\$ -	\$ 445,000	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,745,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-04

PROGRAM TITLE: Old Highway 99 Extension: 79th Avenue to 88th Avenue

PROGRAM DESCRIPTION:

This project would fund the construction of the sewer infrastructure to serve the southeast area of the City. Timing of the project is dependent on development activity. The first phase shown in this CFP extends watermain through the limits of the Old Hwy 99 and 79th Ave Roundabout project.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: 2015 General Sewer Plan PAGE# 6-24 GROWTH: 90%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 15,000	\$ 15,000		\$ -	\$ -			\$ 70,000	\$ 85,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 210,000			\$ 210,000				\$ 800,000	\$ 1,010,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 225,000	\$ 15,000	\$ -	\$ 210,000	\$ -	\$ -	\$ -	\$ 870,000	\$ 1,095,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income		\$ 22,500	\$ 1,500	\$ -	\$ 21,000	\$ -	\$ -	\$ -	\$ 87,000	\$ 109,500
Connections		\$ 202,500	\$ 13,500	\$ -	\$ 189,000	\$ -	\$ -	\$ -	\$ 783,000	\$ 985,500
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 225,000	\$ 15,000	\$ -	\$ 210,000	\$ -	\$ -	\$ -	\$ 870,000	\$ 1,095,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO. 2016025
NEW: No
PRIOR:

SS-05

PROGRAM TITLE: City Operations and Maintenance Facility Relocation

PROGRAM DESCRIPTION:

This project includes the demolition, master planning, design and construction for a new Public Works and Facilities Divisions Operations and Maintenance Facility at the City's Trails End Drive property. Site costs are distributed 34% General Fund, 33% Water, 17% Sewer, and 17% Storm. Offsite mitigation costs are distributed 50% General Fund and Transportation CFP, 24% Water, 13% Sewer, and 13% Storm. Construction will use debt financing either revenue bond or PWTf loan. Debt payments are included.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: City Hall Campus Master Plan PAGE# GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 19,422	\$ 300,000	\$ 300,000							\$ 319,422
Land & R-O-W	\$ 160,894	\$ -								\$ 160,894
Construction	\$ 73,512	\$ 4,730,000		\$ 2,365,000	\$ 2,365,000					\$ 4,803,512
Equipment		\$ -								\$ -
Other (incl. 1% for Arts)		\$ 686,500		\$ 46,500	\$ 160,000	\$ 160,000	\$ 160,000	\$ 160,000		\$ 686,500
TOTAL EXPENSES	\$ 253,827	\$ 5,716,500	\$ 300,000	\$ 2,411,500	\$ 2,525,000	\$ 160,000	\$ 160,000	\$ 160,000	\$ -	\$ 5,970,327
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 126,914	\$ 2,078,250	\$ 150,000	\$ 1,288,250	\$ 160,000	\$ 160,000	\$ 160,000	\$ 160,000		\$ 2,205,164
Connections	\$ 126,914	\$ 1,438,250	\$ 150,000	\$ 1,288,250						\$ 1,565,164
Revenue Bonds		\$ 2,200,000		\$ 2,200,000						\$ 2,200,000
Other		\$ -								\$ -
TOTAL SOURCES	\$ 253,827	\$ 5,716,500	\$ 300,000	\$ 4,776,500	\$ 160,000	\$ 160,000	\$ 160,000	\$ 160,000	\$ -	\$ 5,970,327

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-06

PROGRAM TITLE: Streamland Estates Lift Station

PROGRAM DESCRIPTION:

Project will upgrade the Streamland Estates lift station to account for modeled deficiencies to accommodate growth in the system. The existing system has an oversized wet well; upgrades include new pumps, valves piping, generator, control panel, automatic transfer switch, and associated equipment.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: 2015 General Sewer Plan PAGE# 8-7 GROWTH: 60%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 35,000	\$ 60,000	\$ 60,000			\$ -				\$ 95,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 400,000	\$ 400,000				\$ -			\$ 400,000
Equipment		\$ -								\$ -
Other		\$ -					\$ -	\$ -	\$ -	\$ -
TOTAL EXPENSES	\$ 35,000	\$ 460,000	\$ 460,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 14,000	\$ 184,000	\$ 184,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 198,000
Connections	\$ 21,000	\$ 276,000	\$ 276,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 297,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 35,000	\$ 460,000	\$ 460,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-07

PROGRAM TITLE: Lloyd Street Lift Station

PROGRAM DESCRIPTION:

Project will upgrade the Lloyd Street lift station to account for modeled deficiencies to accommodate growth in the system. Upgrades include wet well oversizing, new pumps, valves, piping, generator, control panel, automatic transfer switch, and associated equipment. Right-of-way acquisition for new generator and control panel is included.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: 2015 General Sewer Plan PAGE# 8-7 GROWTH: 80%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 45,000	\$ 67,500	\$ 67,500							\$ 112,500
Land & R-O-W		\$ 20,000	\$ 20,000							\$ 20,000
Construction		\$ 450,000	\$ 450,000							\$ 450,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 45,000	\$ 537,500	\$ 537,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 582,500
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 9,000	\$ 107,500	\$ 107,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,500
Connections	\$ 36,000	\$ 430,000	\$ 430,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 466,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 45,000	\$ 537,500	\$ 537,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 582,500

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-08

PROGRAM TITLE: Sewer Extension Program

PROGRAM DESCRIPTION:

Project provides funding for extension of sewer mains to neighborhoods to facilitate onsite system conversions to sanitary sewer for protection of drinking water, public and environmental health. Project prioritization results from City evaluation and planning processes. This program is currently under consideration and has not been fully defined. Projects are shown annually, but may be combined for efficiency and workload.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: 2015 General Sewer Plan PAGE# 8-2 GROWTH: 0%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 540,000		\$ 150,000		\$ 180,000		\$ 210,000		\$ 540,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 3,600,000		\$ 1,000,000		\$ 1,200,000		\$ 1,400,000		\$ 3,600,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 4,140,000	\$ -	\$ 1,150,000	\$ -	\$ 1,380,000	\$ -	\$ 1,610,000	\$ -	\$ 4,140,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ -	\$ 4,140,000		\$ 1,150,000		\$ 1,380,000		\$ 1,610,000		\$ 4,140,000
Connections	\$ -	\$ -								\$ -
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 4,140,000	\$ -	\$ 1,150,000	\$ -	\$ 1,380,000	\$ -	\$ 1,610,000	\$ -	\$ 4,140,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-09

PROGRAM TITLE: Comprehensive Plan Review/Update

PROGRAM DESCRIPTION:

Update the existing Sanitary Sewer Comp Plan (last completed in 2015) to reflect current development trends within the service area, integrate sewer programs such as main replacements and extensions into neighborhoods served by individual septic systems and where new development is expected, incorporate current incentive programs for supported housing, and evaluate locations for additional remote monitoring to reduce the potential for sanitary sewer overflows. Project has been initiated in 2023.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: WAC 173-240 PAGE# GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 135,000	\$ 190,000	\$ 190,000							\$ 325,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 135,000	\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 67,500	\$ 95,000	\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,500
Connections	\$ 67,500	\$ 95,000	\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,500
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 135,000	\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-10

PROGRAM TITLE: Enterprise Resource Planning Business System

PROGRAM DESCRIPTION:

Replacement and implementation of the current ERP System (Tyler Eden), currently estimated at approximately \$2.5 million. The City currently uses Tyler Technology's Eden program, which is no longer supported or upgraded. This system manages the billing and financial programs for the utilities, among other critical functions for the City, like payroll and permitting. The cost for both vendor fees, technology, and City staff time to implement is split between General Fund (50%) and the Water, Sewer and Storm utilities (50%).

IS PROJECT RECOMMENDED BY PLAN/POLICY?

PLAN:

PAGE#

GROWTH: 20%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land & R-O-W		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Debt Service)	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 400,008
TOTAL EXPENSES	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 400,008
Sources of Funds:										
General Government		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Income	\$ 160,006	\$ 160,000	\$ 53,333	\$ 53,333	\$ 53,333	\$ -	\$ -	\$ -	\$ -	\$ 320,006
Connections	\$ 40,002	\$ 40,000	\$ 13,333	\$ 13,333	\$ 13,333	\$ -	\$ -	\$ -	\$ -	\$ 80,002
Revenue Bonds		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL SOURCES	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 400,008

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-11

PROGRAM TITLE: I-5 Sanitary Sewer Main Crossings Report

PROGRAM DESCRIPTION:

This project provides for the evaluation of aging sanitary sewer main crossings under the I-5 corridor and completion of an alternatives analysis report to consider redirection of sewer flows and elimination of crossings under the interstate highway which hinders and complicates routine maintenance. Known crossings include 2nd Avenue at Desoto Street, 2nd Avenue at E Street, 2nd Avenue between 3rd and H Streets and 2nd Avenue at Little Street.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: 2015 General Sewer Plan PAGE# 8-6 GROWTH: 25%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ 125,000	\$ -	\$ -	\$ 125,000					\$ 125,000
Land & R-O-W	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Debt Service)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL EXPENSES	\$ -	\$ 125,000	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Sources of Funds:										
General Government	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Income	\$ -	\$ 93,750	\$ -	\$ -	\$ 93,750	\$ -	\$ -	\$ -	\$ -	\$ 93,750
Connections	\$ -	\$ 31,250	\$ -	\$ -	\$ 31,250	\$ -	\$ -	\$ -	\$ -	\$ 31,250
Revenue Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL SOURCES	\$ -	\$ 125,000	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources and Sustainability
PROJECT NO.
NEW: No
PRIOR:

SS-12

PROGRAM TITLE: Capitol Blvd and X St Sewer

PROGRAM DESCRIPTION:

Funding to replace aging concrete sewer lines on Capitol Blvd and X Street in coordination with the Capitol Blvd and X St Roundabout transportation improvement project. Designs are complete.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: 2015 General Sewer Plan PAGE# 8-7 GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 50,000	\$ -								\$ 50,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 300,000		\$ 300,000						\$ 300,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 50,000	\$ 300,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ 25,000	\$ 150,000		\$ 150,000						\$ 175,000
Connections	\$ 25,000	\$ 150,000		\$ 150,000						\$ 175,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 50,000	\$ 300,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT: Water Resources and Sustainability
PROJECT NO.
NEW: YES
PRIOR:

SS-13

PROGRAM TITLE: Seismic Resiliency Plan

PROGRAM DESCRIPTION:

IS PROJECT RECOMMENDED BY PLAN/POLICY? PLAN: PAGE# GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 250,000		\$ 250,000						\$ 250,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ -	\$ 125,000	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Connections	\$ -	\$ 125,000	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Sanitary Sewer
DEPT.: Water Resources and Sustainability
PROJECT NO.
NEW: YES
PRIOR:

SS-14

PROGRAM TITLE: Kimmee Street Lift Station

PROGRAM DESCRIPTION:

Project will complete an engineering evaluation and upgrade the Kimmee Street lift station to account for modeled deficiencies to accommodate growth in the system. Upgrades may include wet well oversizing, new pumps, valves, piping, generator, control panel, automatic transfer switch, and associated equipment. Right-of-way acquisition for new generator and control panel is included.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: 2015 Sewer System Plan PAGE# GROWTH: 50%

FINANCIAL DATA

EXPENSES	PRIOR YRS	6-YR. TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 187,500	\$ 62,500	\$ 125,000						\$ 187,500
Land & R-O-W		\$ 30,000		\$ 30,000						\$ 30,000
Construction		\$ 500,000			\$ 500,000					\$ 500,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 717,500	\$ 62,500	\$ 155,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 717,500
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Operating Income	\$ -	\$ 358,750	\$ 31,250	\$ 77,500	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 358,750
Connections	\$ -	\$ 358,750	\$ 31,250	\$ 77,500	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 358,750
Revenue Bonds		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 717,500	\$ 62,500	\$ 155,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 717,500

FINANCIAL PLAN FOR THE STORM DRAIN FUND

Project	PROJECTS	LEAD	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YRS	GRAND TOTAL
NEW	1	Land Acquisition - Wetland / Habitat Conservation	WRS	\$ 3,375,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 125,000	\$ -	\$ 3,375,000
	2	Tumwater Valley Regional Facility	WRS	\$ 3,915,000	\$ -	\$ 65,000	\$ 350,000	\$ 1,625,000	\$ -	\$ -	\$ 3,915,000
	3	Deschutes Habitat Restoration Projects	WRS	\$ 980,000	\$ 125,000	\$ 575,000	\$ 85,000	\$ 65,000	\$ 65,000	\$ -	\$ 980,000
	4	Emerging Projects	WRS	\$ 300,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 300,000
	5	East Linwood Basin Outfall Retrofit	WRS	\$ 2,170,000	\$ -	\$ 45,000	\$ 975,000	\$ 1,150,000	\$ -	\$ -	\$ 2,170,000
	6	Sapp Road Culvert Replacement	WRS	\$ 2,408,000	\$ 2,408,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,408,000
	7	Kirsop Road Stormwater Improvements	TED	\$ 642,750	\$ -	\$ -	\$ 62,500	\$ 167,750	\$ 412,500	\$ -	\$ 642,750
	8	54th & Kirsop Road Flooding Reduction	TED	\$ 287,500	\$ 37,500	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 287,500
	9	66th Ave Culvert Replacement	TED	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 150,000	\$ 350,000	\$ 2,500,000	\$ 3,000,000
	10	North Custer Way Stormdrain Redirection	TED	\$ 112,500	\$ -	\$ -	\$ -	\$ -	\$ 112,500	\$ 300,000	\$ 412,500
	11	Beehive Industrial Area Stormwater Improvements	WRS	\$ 900,000	\$ 150,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000
	12	City Operations and Maintenance Facility Relocation	TED	\$ 7,870,904	\$ 951,500	\$ 5,240,441	\$ 419,741	\$ 419,741	\$ 419,741	\$ -	\$ 7,870,904
	13	Golf Course Drainage System Repairs	WRS	\$ 510,000	\$ 60,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 510,000
	14	Enterprise Resource Planning Business System	FIN	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ 200,000
	15	Capitol Blvd Storm Upsizing	TED	\$ 650,000	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ 650,000
	16	Crites Stormwater Pond Improvements	TED	\$ 1,150,000	\$ -	\$ -	\$ 250,000	\$ 400,000	\$ 500,000	\$ -	\$ 1,150,000
	17	29th Avenue SW Stormwater Improvements	TED	\$ 765,000	\$ -	\$ -	\$ 165,000	\$ 600,000	\$ -	\$ -	\$ 765,000
	18	Tumwater Hill Basin Assessment	TED	\$ 150,000	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
	19	Resource Conservation & Sustainability	WRS	\$ 130,000	\$ 65,000	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 130,000
NEW	20	2028 Stormwater Management Plan Update	WRS	\$ 250,000	\$ -	\$ -	\$ -	\$ 75,000	\$ 175,000	\$ -	\$ 250,000
NEW	21	E Dennis Outfall Retrofit	WRS	\$ 363,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 288,000	\$ 363,000
TOTAL EXPENSES:			\$ 30,129,654	\$ 4,638,667	\$ 8,282,107	\$ 3,723,907	\$ 5,352,491	\$ 4,572,241	\$ 3,560,241	\$ 300,000	\$ 30,066,654
SOURCES OF FUNDS:											
General Government			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants			\$ 15,132,000	\$ 2,776,750	\$ 1,845,000	\$ 1,647,500	\$ 3,332,750	\$ 2,677,500	\$ 2,852,500	\$ -	\$ 15,132,000
Storm			\$ 9,225,454	\$ 910,417	\$ 1,616,407	\$ 2,076,407	\$ 2,019,741	\$ 1,894,741	\$ 707,741	\$ 300,000	\$ 9,525,454
Bonds, Misc. Debt			\$ 5,772,200	\$ 5,772,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,772,200
TOTAL SOURCES:			\$ 30,129,654	\$ 9,459,367	\$ 3,461,407	\$ 3,723,907	\$ 5,352,491	\$ 4,572,241	\$ 3,560,241	\$ 300,000	\$ 30,429,654

SIX YEAR FORECAST

	STORM DRAINAGE	2023	2024	2025	2026	2027	2028	2029		2024-2029
REVENUES:										
Beginning Fund Balance		\$ 9,931,268	\$ 10,054,525	\$ 13,692,208	\$ 6,804,329	\$ 4,549,963	\$ 2,613,552	\$ 1,093,104		\$ 10,054,525
Charges for Services (Rates & Utility Tax)		\$ 3,425,919	\$ 3,772,879	\$ 4,135,830	\$ 4,533,697	\$ 4,923,821	\$ 5,347,516	\$ 5,780,531		\$ 28,494,274
Misc. Revenues		\$ 148,750	\$ 151,725	\$ 154,760	\$ 157,855	\$ 161,012	\$ 164,232	\$ 167,517		\$ 957,100
Grants		\$ 575,000	\$ 2,776,750	\$ 1,845,000	\$ 1,647,500	\$ 3,332,750	\$ 2,677,500	\$ 2,852,500		\$ 15,132,000
Debt Proceeds		\$ -	\$ 5,772,200	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 5,772,200
TOTAL REVENUES		\$ 14,080,937	\$ 22,528,079	\$ 19,827,797	\$ 13,143,380	\$ 12,967,546	\$ 10,802,800	\$ 9,893,651		\$ 60,410,099
EXPENDITURES:										
O & M (including Admin.)		\$ 4,026,412	\$ 4,147,204	\$ 4,271,620	\$ 4,399,769	\$ 4,531,762	\$ 4,667,715	\$ 4,807,746		\$ 26,825,818
Debt Service		\$ -	\$ -	\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741		\$ 2,098,704
Capital		\$ -	\$ 4,688,667	\$ 8,332,107	\$ 3,773,907	\$ 5,402,491	\$ 4,622,241	\$ 3,610,241		\$ 30,429,654
TOTAL EXPENSES		\$ 4,026,412	\$ 8,835,871	\$ 13,023,469	\$ 8,593,417	\$ 10,353,994	\$ 9,709,697	\$ 8,837,728		\$ 59,354,176
ENDING FUND BALANCE		\$ 10,054,525	\$ 13,692,208	\$ 6,804,329	\$ 4,549,963	\$ 2,613,552	\$ 1,093,104	\$ 1,055,923		\$ 1,055,923
UTILITY RESERVE POLICY (20% O&M + Debt Service)		\$ 829,441	\$ 938,272	\$ 963,902	\$ 990,301	\$ 1,017,491	\$ 1,045,497			
Rate Increases		8.5%	8.5%	8.0%	8.0%	7.0%	7.0%	6.5%		

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR:

SD-01

PROGRAM TITLE: Land Acquisition - Wetland / Habitat Conservation

PROGRAM DESCRIPTION:
Reserve funds for the acquisition of lands for stormwater-related projects requiring wetland mitigation, preservation, or enhancement, and general habitat conservation. Considered projects include former Brewery properties (60% present value), Kirsop-area wetlands, and Deschutes/WRIA 13 wetlands.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: E Linwood / M Street Outfall Projects PAGE#

FINANCIAL DATA										
EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ -								\$ -
Land & R-O-W		\$ 3,375,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 125,000		\$ 3,375,000
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 3,375,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 125,000	\$ -	\$ 3,375,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ 1,687,500	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 62,500		\$ 1,687,500
Water/Sewer/Storm		\$ 1,687,500	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 62,500		\$ 1,687,500
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 3,375,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 125,000	\$ -	\$ 3,375,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-03

SD-02

PROGRAM TITLE: Tumwater Valley Regional Facility

PROGRAM DESCRIPTION:
Project includes the construction of a regional facility for treatment and detention of discharge from 2 major outfalls - M Street Basin and Littlerock/2nd Avenue, with a drainage area of approximately 200 acres. Project includes outfall retrofit as a constructed wetland, walking trail, educational signage, wetland mitigation, and electrical realignment to treat stormwater discharges to the Deschutes River. Planning and design is largely complete; completion of permitting, mitigation, and construction are dependent on grant funding.

IS PROJECT RECOMMENDED BY PLAN/POLICY? No PLAN: PAGE#

FINANCIAL DATA										
EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 368,000	\$ 390,000		\$ 65,000	\$ 125,000	\$ 125,000	\$ 75,000			\$ 758,000
Land & R-O-W	\$ 202,000	\$ 225,000			\$ 225,000					\$ 427,000
Construction		\$ 3,300,000				\$ 1,500,000	\$ 1,800,000			\$ 3,300,000
Equipment		\$ -			.					\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 570,000	\$ 3,915,000	\$ -	\$ 65,000	\$ 350,000	\$ 1,625,000	\$ 1,875,000	\$ -	\$ -	\$ 4,485,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants	\$ 55,000	\$ 3,762,500			\$ 262,500	\$ 1,625,000	\$ 1,875,000			\$ 3,817,500
Water/Sewer/Storm	\$ 515,000	\$ 152,500		\$ 65,000	\$ 87,500	\$ -	\$ -			\$ 667,500
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 570,000	\$ 3,915,000	\$ -	\$ 65,000	\$ 350,000	\$ 1,625,000	\$ 1,875,000	\$ -	\$ -	\$ 4,485,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-05 / SD-06

SD-03

PROGRAM TITLE: Deschutes Habitat Restoration Projects

PROGRAM DESCRIPTION:

Project will design and implement habitat enhancement and sediment reduction projects in support of Total Maximum Daily Load (TMDL) compliance actions relating to shade coverage and riparian habitat and water quality enhancements along the Descutes River and its tributaries, as outlined in the City's Shoreline Management Plan and Deschutes Habitat Restoration Plan. Projects include evaluation and restoration of riverbank erosion along Tumwater Valley Drive, Pioneer Park, and Desoto Canyon.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: NPDES Permit / Shoreline Management Plan PAGE# Multiple

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 270,000	\$ 125,000	\$ 125,000	\$ 20,000					\$ 270,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 710,000		\$ 450,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000		\$ 710,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 980,000	\$ 125,000	\$ 575,000	\$ 85,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ -	\$ 980,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ 948,750	\$ 93,750	\$ 575,000	\$ 85,000	\$ 65,000	\$ 65,000	\$ 65,000		\$ 948,750
Water/Sewer/Storm		\$ 31,250	\$ 31,250	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 31,250
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 980,000	\$ 125,000	\$ 575,000	\$ 85,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ -	\$ 980,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-06

SD-04

PROGRAM TITLE: Emerging Projects

PROGRAM DESCRIPTION:

This funding would be used to deal with unanticipated capital facilities needs that arise throughout the year. Typically, they would be used for construction or modification of City facilities in conjunction with construction by private development, or to deal with problems that may occur.

IS PROJECT RECOMMENDED BY PLAN/POLICY?

No

PLAN:

PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ -		\$ -						\$ -
Land & R-O-W		\$ -								\$ -
Construction		\$ 300,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000		\$ 300,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 300,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 300,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm		\$ 300,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000		\$ 300,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 300,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 300,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-07

SD-05

PROGRAM TITLE: East Linwood Basin Outfall Retrofit

PROGRAM DESCRIPTION:

Project will re-evaluate conceptual design previously prepared to retrofit a stormwater drainage outfall from the East Linwood basin. Initial evaluations of flow and water quality impacts to the Deschutes River were completed during an initial grant-funded design phase in 2014-2015; 2022 Ecology funding for a second alternatives analysis to avoid wetland impacts did not result in a feasible alternative. Other funding sources will be pursued for design completion, permitting, mitigation, and construction. The project aims to address stormwater impacts including discharge velocity, shoreline erosion, and water quality.

IS PROJECT RECOMMENDED BY PLAN/POLICY? No PLAN: PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 120,000	\$ 420,000		\$ 45,000	\$ 225,000	\$ 150,000				\$ 540,000
Land & R-O-W		\$ 250,000			\$ 250,000					\$ 250,000
Construction		\$ 1,500,000			\$ 500,000	\$ 1,000,000				\$ 1,500,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 120,000	\$ 2,170,000	\$ -	\$ 45,000	\$ 975,000	\$ 1,150,000	\$ -	\$ -	\$ -	\$ 2,290,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants	\$ 120,000	\$ 2,170,000		\$ 45,000	\$ 975,000	\$ 1,150,000				\$ 2,290,000
Water/Sewer/Storm		\$ -								\$ -
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 120,000	\$ 2,170,000	\$ -	\$ 45,000	\$ 975,000	\$ 1,150,000	\$ -	\$ -	\$ -	\$ 2,290,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO. 2020033
NEW: No
PRIOR: SD-11

SD-06

PROGRAM TITLE: Sapp Road Culvert Replacement

PROGRAM DESCRIPTION:

This project will replace the existing culvert at Sapp Road, which, due to its size, gradient and elevation, has become a fish passage barrier to upstream and downstream migration. The City will work with local salmon experts and the Washington State Department of Fish and Wildlife to complete design; construction to be funded in future years when grants are available. This project is dependent on receiving grant funding.

IS PROJECT RECOMMENDED BY PLAN/PC YES PLAN: Shoreline Master Plan, Restoration program PAGE# 31

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 265,000	\$ -								\$ 265,000
Land & R-O-W		\$ 125,000	\$ 125,000							\$ 125,000
Construction		\$ 2,283,000	\$ 2,283,000							\$ 2,283,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 265,000	\$ 2,408,000	\$ 2,408,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,673,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants	\$ 80,000	\$ 2,358,000	\$ 2,358,000							\$ 2,438,000
Water/Sewer/Storm	\$ 185,000	\$ 50,000	\$ 50,000							\$ 235,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 265,000	\$ 2,408,000	\$ 2,408,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,673,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-11

SD-07

PROGRAM TITLE: Kirsop Road Stormwater Improvements

PROGRAM DESCRIPTION:

To address flooding along the north/south segment of Kirsop Road SW adjacent to Fish Trap Creek; project will replace existing undersized culvert with 8' x 2' box culvert, install and/or regrade existing swales along the west half of this segment adjacent to the Fish Trap Creek crossing, and install a water quality treatment facility to treat stormwater runoff from the paved surface.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: Annexation Area Drainage Study, #7.4 PAGE# 48

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 155,250			\$ 62,500	\$ 92,750				\$ 155,250
Land & R-O-W		\$ 75,000				\$ 75,000				\$ 75,000
Construction		\$ 412,500					\$ 412,500			\$ 412,500
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 642,750	\$ -	\$ -	\$ 62,500	\$ 167,750	\$ 412,500	\$ -	\$ -	\$ 642,750
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ 580,250				\$ 167,750	\$ 412,500			\$ 580,250
Water/Sewer/Storm		\$ 62,500			\$ 62,500	\$ -	\$ -			\$ 62,500
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 642,750	\$ -	\$ -	\$ 62,500	\$ 167,750	\$ 412,500	\$ -	\$ -	\$ 642,750

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-12

SD-08

PROGRAM TITLE: 54th & Kirsop Road Flooding Reduction

PROGRAM DESCRIPTION:

An undersized drainage ditch flowing east toward Percival Creek on the north side of 54th Avenue (Trosper) has led to localized flooding issues. Natural topography suggests this flow was redirected toward Percival Creek from Fish Pond Creek prior to the construction of 54th Avenue. This project will divert stormwater flows to the natural drainage course through the installation of a cross culvert along the west side of Kirsop Road at its intersection with 54th. Flows will continue south through existing ditches along the west side of Kirsop Road.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: Annexation Area Drainage Study #7.6 PAGE# 49

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 37,500	\$ 37,500							\$ 37,500
Land & R-O-W		\$ -								\$ -
Construction		\$ 250,000		\$ 250,000						\$ 250,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 287,500	\$ 37,500	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 287,500
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm		\$ 287,500	\$ 37,500	\$ 250,000						\$ 287,500
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 287,500	\$ 37,500	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 287,500

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-13

SD-09

PROGRAM TITLE: 66th Ave Culvert Replacement

PROGRAM DESCRIPTION:

Culvert #26 has been identified as undersized in the Annexation Area Drainage Study, in project #7.2. The existing 46" x 72" CMP Arch Pipe culvert conveys Fish Pond Creek at 66th Avenue. The culvert is recommended to be replaced with two 48" diameter culvert pipes.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: Annexation Area Drainage Study PAGE# 47

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 500,000				\$ 150,000	\$ 350,000			\$ 500,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 2,500,000						\$ 2,500,000		\$ 2,500,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 150,000	\$ 350,000	\$ 2,500,000	\$ -	\$ 3,000,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ 2,500,000						\$ 2,500,000		\$ 2,500,000
Water/Sewer/Storm		\$ 500,000				\$ 150,000	\$ 350,000			\$ 500,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 150,000	\$ 350,000	\$ 2,500,000	\$ -	\$ 3,000,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-15

SD-10

PROGRAM TITLE: North Custer Way Stormdrain Redirection

PROGRAM DESCRIPTION:

Stormwater flows in the vicinity of Capitol Boulevard and Custer Way enter an inadequate system under the Capitol Boulevard Bridge that surcharges due to its configuration. This project is being phased to better align with utility and transportation projects. Phase 1, Complete: Upsizing and treatment for Custer Way from Boston Street to east of Capitol Blvd; Phase 2 - Extend Phase 1 improvements along the Brewhouse Tower access road from Custer Way to the existing discharge area allowing for planned stormwater redirection. This project will increase the volume of stormwater that is treated and ease potential problems associated with erosion due to stormwater under the bridge on the former brewery property.

IS PROJECT RECOMMENDED BY PLAN/POLICY? No PLAN: PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 45,000	\$ 75,000						\$ 75,000		\$ 120,000
Land & R-O-W	\$ -	\$ 37,500						\$ 37,500		\$ 37,500
Construction	\$ 630,000	\$ -							\$ 300,000	\$ 930,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 675,000	\$ 112,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 112,500	\$ 300,000	\$ 1,087,500
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm		\$ 112,500						\$ 112,500	\$ 300,000	\$ 412,500
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 112,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 112,500	\$ 300,000	\$ 412,500

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-18

SD-11

PROGRAM TITLE: Beehive Industrial Area Stormwater Improvements

PROGRAM DESCRIPTION:

Stormwater improvements are needed in the Beehive Industrial Area to address poor conveyance, reduce flooding and improve water quality in stormwater runoff. Improvements include ditch rehabilitation, driveway culvert replacement and installation, and new bioretention and conveyance structures along Joppa St. and Lambskin Rd.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 150,000	\$ 150,000							\$ 150,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 750,000		\$ 750,000						\$ 750,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 900,000	\$ 150,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ 562,500		\$ 562,500						\$ 562,500
Water/Sewer/Storm		\$ 337,500	\$ 150,000	\$ 187,500						\$ 337,500
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 900,000	\$ 150,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources and Sustainability
PROJECT NO. 2016025
NEW: No
PRIOR: SD-13

SD-12

PROGRAM TITLE: City Operations and Maintenance Facility Relocation

PROGRAM DESCRIPTION:

This project includes the demolition, master planning, design and construction for a new Water Resources & Sustainability Operations and Maintenance Facility at the City's Trails End Drive property. Site costs are distributed 34% General Fund, 33% Water, 17% Sewer, and 17% Storm. Offsite mitigation costs are distributed 50% General Fund and Transportation CFP, 24% Water, 13% Sewer, and 13% Storm. Construction will use debt financing either revenue bond or PWTF loan. Debt payments are included in expenditures on cover sheet.

IS PROJECT RECOMMENDED BY PLAN/POLICY? Yes PLAN: City Campus Master Plan PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 184,900	\$ 359,100	\$ 359,100							\$ 544,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 4,571,100	\$ 507,900	\$ 4,063,200						\$ 4,571,100
Equipment		\$ 257,000		\$ 257,000						\$ 257,000
Other (incl. 1% for Arts)		\$ 2,683,704	\$ 84,500	\$ 920,241	\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741		\$ 2,683,704
TOTAL EXPENSES	\$ 184,900	\$ 7,870,904	\$ 951,500	\$ 5,240,441	\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741	\$ -	\$ 8,055,804
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm	\$ 184,900	\$ 2,098,704		\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741		\$ 2,283,604
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ 5,772,200	\$ 5,772,200							\$ 5,772,200
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 184,900	\$ 7,870,904	\$ 5,772,200	\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741	\$ 419,741	\$ -	\$ 8,055,804

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: GG-25 / SD-20

SD-13

PROGRAM TITLE: Golf Course Drainage System Repairs

PROGRAM DESCRIPTION:

The original drainage system designed to convey storm water from Henderson Blvd through the golf course is failing and creating sink holes on fairways #3 and #18. The large galvanized pipe installed in 1969 needs to be replaced. This project will include an engineering assesment to evaluate drainage impacts on sanitary sewer lines, integration of conveyance with MS4, and compliance with TMDL water quality regulations.

IS PROJECT RECOMMENDED BY PLAN/POLICY?

PLAN:

PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 60,000	\$ 60,000							\$ 60,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 450,000		\$ 450,000						\$ 450,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 510,000	\$ 60,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ 337,500		\$ 337,500						\$ 337,500
Water/Sewer/Storm	\$ -	\$ 172,500	\$ 60,000	\$ 112,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,500
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 510,000	\$ 60,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-16

SD-14

PROGRAM TITLE: Enterprise Resource Planning Business System

PROGRAM DESCRIPTION:

Replacement and implementation of the current ERP System (Tyler Eden), currently estimated at approximately \$2.5 million. The City currently uses Tyler Technology's Eden program, which is no longer supported or upgraded. This system manages the billing and financial programs for the utilities, among other critical functions for the City, like payroll and permitting. The cost for both vendor fees, technology, and City staff time to implement is split between General Fund (50%) and the Water, Sewer and Storm utilities (50%).

IS PROJECT RECOMMENDED BY PLAN/POLICY?

PLAN:

PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ -								\$ -
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other (Software, etc.)	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667					\$ 400,008
TOTAL EXPENSES	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 400,008
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667					\$ 400,008
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 200,008	\$ 200,000	\$ 66,667	\$ 66,667	\$ 66,667	\$ -	\$ -	\$ -	\$ -	\$ 400,008

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: Yes
PRIOR:

SD-15

PROGRAM TITLE: Capitol Blvd Storm Upsizing

PROGRAM DESCRIPTION:

Replace undersized and deteriorating infrastructure on Capitol Blvd. This project will be completed in several phases and often in conjunction with transportation improvement projects. Construction work prior to 2024 completed in the vicinity of Capitol Blvd and Trosper Rd. Construction work in 2026 will include the vicinity of Capitol Blvd and X St.

IS PROJECT RECOMMENDED BY PLAN/PC YES PLAN: Tumwater Valley Regional Facility Hydraulics Report PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ 200,000	\$ -								\$ 200,000
Land & R-O-W		\$ -								\$ -
Construction	\$ 675,000	\$ 650,000			\$ 650,000					\$ 1,325,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ 875,000	\$ 650,000	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ 1,525,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm	\$ 875,000	\$ 650,000			\$ 650,000					\$ 1,525,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ 875,000	\$ 650,000	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ 1,525,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: Yes
PRIOR:

SD-16

PROGRAM TITLE: Crites Stormwater Pond Improvements

PROGRAM DESCRIPTION:

Improvements are needed in the Mottman Industrial Area to improve conveyance to Crites Pond and increase capacity of the pond. Improvements are also needed to the pond to increase treatment and infiltration rates to effectively reduce local flooding during rain events.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: Mottman Drainage Evaluation PAGE# 15

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ 250,000			\$ 250,000					\$ 250,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 900,000				\$ 400,000	\$ 500,000			\$ 900,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 1,150,000	\$ -	\$ -	\$ 250,000	\$ 400,000	\$ 500,000	\$ -	\$ -	\$ 1,150,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm	\$ -	\$ 1,150,000	\$ -	\$ -	\$ 250,000	\$ 400,000	\$ 500,000	\$ -	\$ -	\$ 1,150,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 1,150,000	\$ -	\$ -	\$ 250,000	\$ 400,000	\$ 500,000	\$ -	\$ -	\$ 1,150,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: Yes
PRIOR:

SD-17

PROGRAM TITLE: 29th Avenue SW Stormwater Improvements

PROGRAM DESCRIPTION:
This project intends to help alleviate flooding issues identified along Crites Steet and RW Johnson Blvd SW. The project includes regrading right-of-ways along 29th Ave SW, and improving storage and conveyance of stormwater by re-grading swales and installing driveway culverts.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YesPLAN: Mottman Drainage EvaluationPAGE# 22

FINANCIAL DATA										
EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ 165,000			\$ 165,000					\$ 165,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 600,000				\$ 600,000				\$ 600,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 765,000	\$ -	\$ -	\$ 165,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 765,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm	\$ -	\$ 765,000			\$ 165,000	\$ 600,000				\$ 765,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 765,000	\$ -	\$ -	\$ 165,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 765,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-19

SD-18

PROGRAM TITLE: Tumwater Hill Basin Assessment

PROGRAM DESCRIPTION:

Widespread conveyance infrastructure is failing in the Tumwater Hill neighborhood. Flow control and water quality BMPs are largely absent from area, which drains directly to the DeSoto Canyon. City has performed some spot repairs on failing infrastructure, but need a more comprehensive approach. Project will perform detailed study to inventory and assess infrastructure throughout neighborhood and develop recommendations for repair and improvement.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: 2017 Stormwater Comprehensive Management Plan PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design		\$ 150,000	\$ 75,000	\$ 75,000						\$ 150,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 150,000	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm		\$ 150,000	\$ 75,000	\$ 75,000						\$ 150,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 150,000	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: No
PRIOR: SD-22

SD-19

PROGRAM TITLE: Resource Conservation & Sustainability

PROGRAM DESCRIPTION:
Funding to support the implementation of City Green Team and Urban Forestry Plan initiatives and recommendations identified in the Thurston Climate Mitigation Plan.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: UMFP / TCMP / Green Team Annual Report PAGE#

FINANCIAL DATA										
EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ 130,000	\$ 65,000	\$ 65,000						\$ 130,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 130,000	\$ 65,000	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm	\$ -	\$ 130,000	\$ 65,000	\$ 65,000						\$ 130,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 130,000	\$ 65,000	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: YES
PRIOR:

SD-20

PROGRAM TITLE: 2028 Stormwater Management Plan Update

PROGRAM DESCRIPTION:

Project will update the 2018 Comprehensive Stormwater Management Plan, intending to review and update program capacities for NPDES-related programs, technical assistance programs, operations and maintenance, funding sources and staffing levels. Regular updates to the Comprehensive Stormwater Management Plan are required through the City's NPDES permit. Project is due to growth and will integrate findings and recommendations of basin assessments completed in previous years.

IS PROJECT RECOMMENDED BY PLAN/POLICY? YES PLAN: NPDES Permit PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ 250,000				\$ 75,000	\$ 175,000			\$ 250,000
Land & R-O-W		\$ -								\$ -
Construction		\$ -								\$ -
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 75,000	\$ 175,000	\$ -	\$ -	\$ 250,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ -								\$ -
Water/Sewer/Storm	\$ -	\$ 250,000				\$ 75,000	\$ 175,000			\$ 250,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 75,000	\$ 175,000	\$ -	\$ -	\$ 250,000

CITY OF TUMWATER CAPITAL FACILITIES PLAN WORKSHEET

CONTACT: Dan Smith
FUND: Storm Drain
DEPT: Water Resources & Sustainability
PROJECT NO.
NEW: YES
PRIOR:

SD-21

PROGRAM TITLE: E Dennis Outfall Retrofit

PROGRAM DESCRIPTION:

Runoff from E Dennis Street and upstream roadways currently discharges untreated to unnamed surface waters tributary to the Deschutes River. Project includes evaluation of upstream drainage structures, treatment and erosion control retrofit of outfall and structures upstream of MH#10275.

IS PROJECT RECOMMENDED BY PLAN/POLICY?

PLAN:

PAGE#

FINANCIAL DATA

EXPENSES	PRIOR YRS	6YR TOTAL	2024	2025	2026	2027	2028	2029	FUTURE YEARS	GRAND TOTAL
Capital Costs:										
Planning & Design	\$ -	\$ 75,000					\$ 75,000			\$ 75,000
Land & R-O-W		\$ -								\$ -
Construction		\$ 288,000						\$ 288,000		\$ 288,000
Equipment		\$ -								\$ -
Other		\$ -								\$ -
TOTAL EXPENSES	\$ -	\$ 363,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 288,000	\$ -	\$ 363,000
Sources of Funds:										
General Government		\$ -								\$ -
Grants		\$ 225,000						\$ 225,000		\$ 225,000
Water/Sewer/Storm	\$ -	\$ 138,000					\$ 75,000	\$ 63,000		\$ 138,000
G.O. Bonds: NonVtd		\$ -								\$ -
G.O. Bonds: Voted		\$ -								\$ -
Revenue Bonds		\$ -								\$ -
L.I.D.'s		\$ -								\$ -
Other		\$ -								\$ -
TOTAL SOURCES	\$ -	\$ 363,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 288,000	\$ -	\$ 363,000

TO: Public Works Committee
 FROM: Dan Smith, Water Resources & Sustainability Director
 DATE: July 20, 2023
 SUBJECT: Service Provider Agreement with Stantec for the Pioneer Park Riparian Restoration Project Amendment 2

1) Recommended Action:

Recommend the City Council approve and authorize the Mayor to sign the Service Provider Agreement with Stantec for the Pioneer Park Riparian Restoration Project Amendment 2

2) Background:

Part of Pioneer Park's shoreline is rapidly eroding away, sending approximately 2,380 cubic yards of fine sediment every year into the Deschutes River, listed as impaired for fine sediment per the Clean Water Act, Section 303(d) and home to a critical stock of coho salmon. The City received grant funding from the Department of Ecology (ECY) to design, permit, and construct a riparian restoration project to stabilize the slope and improve habitat conditions at Pioneer Park. Stantec was chosen to design a bank stabilization solution to the erosion problem.

After significant stakeholder outreach and ECY support, the project is adding elements to improve in-stream complexity and habitat elements. This amendment covers the additional work necessary for the project enhancements. As such, the current grant agreement with ECY will be revised to be design only and the City will apply for construction funding in the fall per ECY's recommendation.

3) Policy Support:

Strategic Priority B – Be a Leader in Environmental Sustainability

4) Alternatives:

☐ Reject provisions of the amendment, and complete project as originally scoped.

5) Fiscal Notes:

Amendment No. 2 adds \$49,955 to the project to complete a final design package. Design and permitting work is expected to cost \$203,699 with 75% covered by the ECY grant, with the remaining 25% paid by Storm Drain Utility funds.

6) Attachments:

- A. Service Provider Agreement with Stantec for the Pioneer Park Riparian Restoration Project Amendment 2

**SECOND AMENDMENT
TO
SERVICE PROVIDER AGREEMENT
FOR
Pioneer Park Riparian Restoration**

This Second Amendment ("Amendment") is dated effective this _____ day of _____, 20____, and is entered into by and between the CITY OF TUMWATER, a Washington municipal corporation ("CITY"), and STANTEC CONSULTING SERVICES INC., a New York corporation ("SERVICE PROVIDER").

A. The CITY and the SERVICE PROVIDER entered into a Service Provider Agreement dated effective June 29, 2022 , and amended by First Amendment dated July 19, 2022, (collectively, the "Agreement") whereby the SERVICE PROVIDER agreed to provide services for the Pioneer Park Riparian Restoration ("Agreement").

B. Section 14 of the Agreement provided that the Agreement may only be amended by written agreement signed by the parties.

C. The CITY and the SERVICE PROVIDER desire to amend the Agreement to add additional services, extend the term of the Agreement, and increase the compensation paid to the SERVICE PROVIDER for providing the additional services during the extended term.

NOW, THEREFORE, the parties agree to the following terms and conditions:

1. SCOPE OF SERVICES.

Section 1 of the Agreement is amended to provide for additional services as more particularly described and detailed in Exhibit "A-1," attached hereto and incorporated herein.

2. TERM.

Section 2 of the Agreement shall be amended to extend the term of the Agreement until December 31, 2027.

3. COMPENSATION.

In consideration of the SERVICE PROVIDER continuing to provide the services described in Section 1 of the Agreement and providing the additional services described in Exhibit "A-1" during the extended term of the Agreement, Section 4.C. shall be amended to increase the compensation paid to the SERVICE PROVIDER by an additional amount not to exceed Forty Nine Thousand Nine Hundred Fifty Five and 00/100 Dollars (\$49,955.00). The total amount payable to the SERVICE PROVIDER pursuant to the original Agreement, the First Amendment, and this Second Amendment shall be an amount not to exceed Two Hundred Three Thousand Six Hundred Ninety Nine and 00/100 Dollars (\$203,699.00).

****Signatures on the following page****

4. FULL FORCE AND EFFECT.

All other terms and conditions of the Agreement not modified by this Amendment shall remain in full force and effect.

DATED the effective date set forth above.

CITY:

CITY OF TUMWATER
555 Israel Road SW
Tumwater, WA 98501

SERVICE PROVIDER:

Stantec Consulting Services, Inc.
601 SW 2nd Avenue STE 1400
Portland, OR 972304-3128
Tax ID #: 602-529-295
Phone No. 503-830-9669

Debbie Sullivan
Mayor

Signature (Notarized – see below)
Printed Name: Joe Richards
Title: Principal Engineer

ATTEST:

Melody Valiant, City Clerk

APPROVED AS TO FORM:

Karen Kirkpatrick, City Attorney

State of _____

County of _____

I certify that I know or have satisfactory evidence that _____ is the person who appeared before me, and said person acknowledged that (he/she) signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged it as the _____ to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated: _____

(Signature)
Notary Public in and for the State of _____
My appointment expires _____

Exhibit A-1



Stantec Consulting Services Inc.
601 SW Second Avenue, Suite 1400
Portland OR 97204-3128

June 5, 2023

Project/File: City of Tumwater Pioneer Park Project / 185706094

Dan Smith
City of Tumwater
555 Israel Road SW
Tumwater, WA 98501

Dear Dan Smith,

Reference: Pioneer Park Riparian Restoration Amendment #2

Introduction

This scope and budget revision has been prepared at the request of the City of Tumwater to address stakeholder concerns with the direction the project. The previous direction intended to avoid USACE permitting by moving the project impact out of the Ordinary High Water (OHW) of the Deschutes River by focusing on bank revetments to stabilize the meander bend in an expedited manner since USACE permitting for removal/fill below OHW was estimated to be 2-year process. This scope will return to a more holistic project that focuses on in-water treatments to promote stability of the meander bend through flood plain inundation and inclusion of aquatic habitat elements including large woody material (LWM) structures below OHW. The basis of this scope and fee is the original scope for the effort modified to fit our understanding of current needs. We assume monies remaining in the current project budget will be reallocated to the effort moving forward.

Project Understanding

Cardno, now Stantec, worked previously with the South Puget Sound Salmon Enhancement Group (SPSSEG) in 2012 and 2015 to review existing conditions and develop multiple alternatives for the Pioneer Park Project to reduce channel migration. Our conceptual designs balanced multiple stakeholder interests, including infrastructure, bank stability, sediment loading, and floater safety. Although the designs are no longer feasible due to excessive bank migration since 2015, the concept alternatives should still be viable to assist in addressing the project objectives.

The SPSSEG funded Pioneer Park Project objectives included: 1) limiting channel migration, 2) rehabilitating aquatic habitat within the project reach, 3) reducing fine grained sediment loading into the river (TMDL/Water Quality), 4) constructing features that are safe for river users, and 5) maintaining park aesthetics.

This 2022/2023 Pioneer Park Restoration Project (Project) has many similarities to the SPSSEG funded endeavor with a shift in funding and emphasis. The site is in the same location and as stated previously the bank migration has continued and the fundamental objectives remain the same, but the funding source is now the Department of Ecology, shifting project emphasis towards reducing fine grained sediment loading in accordance with the TMDL. An initial project development step is to confirm objectives in collaboration

Design with community in mind

Reference: Pioneer Park Riparian Restoration Amendment #2

with the City of Tumwater (City) to ensure that our team is in alignment with the project proponents. The project is divided into six tasks as described in the following sections.

1. Task 1: Project Management and Meetings

This task includes project management duties and meetings. Communication with the City's project manager will occur at to-be-determined intervals throughout the project and allow the Project Team (Stantec) to report on project status and coordinate project-related items. In addition, a kick-off meeting will be conducted.

1.1. Project Management

Kate Klavon will serve as the Project Manager and Joe Richards will serve as Principal in Charge. They will be responsible for overseeing and directing all aspects of project management. Delegation of PM responsibility may be undertaken at times to facilitate efficient delivery of the effort.

1.2. Project Meetings

Five (5) project meetings have already been held up to this point. It is anticipated an additional five (5) meetings will be held throughout the remaining course of this project at key milestones to be coordinated between Stantec and the City. Meetings will be virtual or coordinated for times where Stantec staff is on-site for scheduled work.

Task Assumptions

- > The duration of the project will continue through the construction of the project, which we assumed shall occur during the in-water work window of 2025. Assuming June 15st NTP and a two-year permitting process (7/15/2027 Construction Complete).
- > For budgeting purposes meeting duration is assumed to be no more than one (1) hours in duration with (1) hour of Prep and (1) hour of follow-up for (3) Stantec Staff Members.
- > Support for key stakeholder meetings including Technical Advisory Committee (TAC) Meetings, Alternative Selection Meetings, and Public Involvement Meetings may take place if they are within the 5 scoped meetings as detailed above.

Task Deliverables

- > Stantec will provide monthly project management work summary and invoices over the term of this work assignment. Invoicing will be completed at the top task level only. Stantec will maintain frequent communication with the City, including phone calls and emails.
- > Meeting Minutes for all meetings between Stantec and the City as listed above.

Reference: Pioneer Park Riparian Restoration Amendment #2

2. Task 2: Data Collection and Analysis

Stantec completed Task 2 data collection field work including survey and geomorphic analysis activities during the summer of 2022. Stantec also completed cultural resources and wetlands delineation tasks and reporting. No additional effort is anticipated for cultural resources or wetlands delineation.

2.1. Survey, Hydrologic, Hydraulic, and Geomorphic Analysis

- We anticipate a 1-day site visit to confirm modeling results and design direction for (3) Stantec Staff. Data will be collected within the focus area using global positioning system (GPS) survey methods in real-time kinematic (RTK) mode.
- The Existing Conditions hydraulic model has already been completed and calibrated for the project site under the Deschutes Flood Reduction Study. This model will be utilized as the existing conditions model for Pioneer Park.
- The Proposed Conditions hydraulic model will be run for the Conceptual Preferred Alternative, 60%, 90%, and Final design phases. This will be done to meet the requirements of the no-rise condition (assuming that is the direction the City intends to follow), as well as show the localized effects of proposed design including depth, velocity, and shear stress to inform the design of the project.

2.2. Cultural Resources and Wetlands

The deliverables for the cultural resources and wetlands have been completed and submitted to the City as follows:

- Cultural Resources Monitoring Plan, October 21, 2022
- Cultural Resources Monitoring Memorandum, November 30, 2022
- Wetland Delineation Report, April 7, 2023

Task Assumptions

- > One (1) iteration of the hydraulic model will be run for the 30% Preferred Alternative, 60%, 90%, and Final design phases.
- > A zero-rise approach is scoped for this effort and the design will be limited to project elements that achieve the zero-rise condition. CLOMR and LOMR documentation through FEMA are outside the scope of this effort.
- > Data collected from the site assessment will be incorporated into the 30% design report (see Task 3).
- > Hydrology for this site is already developed and existing flowrates will be utilized.
- > Results of the Hydrology and Hydraulics and Geomorphic Analysis will be included in the Design Reports of the listed design phases.

Task Deliverables

- > No Deliverables on this Task.

Reference: Pioneer Park Riparian Restoration Amendment #2

3. Task 3: Preliminary Plans and Design Report

Additional tasks necessary to support the Pioneer Park Riparian Restoration project and to provide the City with a final design package signed by a licensed professional engineer in the State of Washington include the following:

3.1. Concept Alternatives Development and Analysis

- Conceptual Alternatives and Evaluation Matrix – Stantec will create a maximum of 3 conceptual level design alternatives based on the previously submitted Cardno submittals in collaboration with the Stakeholders. A Conceptual Alternatives Evaluation Matrix will be completed for the City to utilize in stakeholder discussions. Matrix will include issues relevant to the decisions making process such as potential cost, timeline, impact to recreation and park usage, bank stability, habitat or stream restoration enhancements, etc. in coordination with the City.
- Conceptual Alternative Memorandum – Stantec will develop a Conceptual Alternative Memorandum, which will include documenting project background, goals, summary of data collected, specific design criteria used for each element of the design, and design process leading up to the concept alternatives phase, and summary of the evaluation matrix and preferred alternative.

3.2. 60% Design Plans and Design Report

- 60% design development stage will be focused on advancing the chosen preferred Conceptual Alternative to a level that can be used for project permitting. 60% level plan set (Permit Set) limited to required information for permitting.
- 60% Engineers Cost Estimate and Specifications Outline – Stantec will develop an Engineers Cost Estimate based on 60% level quantities. A specification outline will also be developed in collaboration with cost estimate.
- 60% Design Report – A Design Report will be developed based on the Conceptual Alternatives Memorandum. This report will include documenting project background, goals, summary of data collected, specific design criteria used for each element of the design, a summary of the Concept Alternatives Memorandum and chosen alternative. The report will also document the hydrology and hydraulic model approach and results.

Reference: Pioneer Park Riparian Restoration Amendment #2

Task Assumptions

- > Meetings associated with Task 3, will be covered under Task 1: Project Management and Meetings
- > Up to three (3) alternatives will be developed and prioritized. Additional alternatives may be added to the Scope of Work at approved hourly rates.
- > Milestone deliverables at Conceptual Level will be submitted to the City for a single round of review. Review period will be 14 days and the City will produce a consolidated redline set with comment log. Stantec will address comments and record actions on the comment log and proceed to the next round of project development (we assume that no second review will be undertaken for budgeting purposes).
- > In accordance with grant funding the design report will be reviewed by DOE over a 45-day period. We assume that design progress will commence following the 14-day City review period and that any Ecology comments will be incorporated at the next design deliverable round. We further assume that the City will facilitate communications with Ecology in advance of Design Submittals so that the project approach is understood and agreed to prior to formal submittal and review periods.
- > Milestone deliverables at 60% will be submitted to the City for a single round of review. Review period will be 14 days and the City will produce a consolidated redline set with comment log. Stantec will address comments and record actions on the comment log and proceed to the next round of project development (we assume that no second review will be undertaken for budgeting purposes).

Task Deliverables

- > Conceptual Design Plans for up to three (3) Alternatives
- > Alternative Evaluation Matrix
- > Conceptual Alternatives Memorandum
- > Preliminary Planning Level Cost Estimate for up to three (3) Alternatives
- > 60% Design Plans
- > 60% Design Report
- > 60% Quantities and Engineer's Estimate
- > Specifications Outline

4. Task 4: Permitting and Environmental Compliance

Stantec will engage with the Corps and Ecology with support from the City at the conceptual design phase to obtain buy-in to facilitate the permitting process. Stantec will complete required permitting, submitted after 60% designs are complete. Required permits will include:

- 4.1. Archeological and Cultural Resources Report (GEO 21-02) (Completed 2022)
- 4.2. Hydraulic Project Approval (HPA)
- 4.3. State Environmental Policy Act (SEPA)
- 4.4. Water Quality Certification (Section 401)
- 4.5. JARPA (Section 404)

Reference: Pioneer Park Riparian Restoration Amendment #2

4.6. Critical Areas Ordinance Certificate of Compliance

4.7. No-Rise Certification Statement

Typically, a No-Rise Certification is not completed until final design, ensuring to the regulators that the final project meets the necessary requirements. The necessary information indicating that the proposed conditions in the permit set intends to meet the no-rise requirements shall be included in the 60% design report. A stamped and signed No-Rise Certification will be included in as part of the final design report.

4.8. 319 Load Reduction Reporting – STEPL

Task Assumptions

- > All meetings and communication associated with Task 4, are covered under this task.
- > This project will be covered under existing programmatic Biological Assessments for restoration projects and a Biological Assessment will not be required.
- > Water Quality Certification (Section 401) will be included in the JARPA permitting process.
- > SEPA permitting will be limited to a short checklist. Full SEPA review and assessment will not be required.
- > As a restoration project, the work will not require a Critical Areas Ordinance Certificate of Compliance. The intent of the Project is to achieve a no-rise scenario. An initial no-rise certification designation will be drafted for the 60% design plans. If the Project intends to create a rise in water surface elevation and a no-rise is not feasible, any work associated with a CLOMR/LOMR is not included in this contract.
- > 319 Load Reduction Reporting will be limited to the means and methods of bank stabilization in the design. Modeling of pre and post project conditions related to erosion and TMDL are outside the scope of this effort.
- > The City is responsible for all permit fees.
- > Permits will be submitted, and comments will be addressed during a single round of submittal, review and resubmit to agencies.
- > Permits not listed above shall not be covered by this scope of work but may be added through a change order.
- >

Task Deliverables

- > Stantec will work with the City on all required permit documents associated with the 60% design and will submit permit packages for the above listed permits.

Reference: Pioneer Park Riparian Restoration Amendment #2

5. Task 5: 90% Plans and Design Report

The 90% design iteration will advance 60% plans, incorporating City review comments, to produce the 90% plan set and associated documents. Stantec will conduct an Internal Technical Review and will utilize feedback to finalize the 90% design. Stantec will prepare a 90% Plan submittal that will incorporate all changes made during the 90% design phase.

5.1. The 90% plan set will include:

- Cover sheet
- Notes, Legend, and Summary of Quantities
- TESC, staging, dewatering, and stream diversion plan
- Structure plan, profile, and details
- Large woody debris and/or other habitat elements details
- Planting plan and details

5.2. 90% Engineers Cost Estimate and Technical Specifications

5.3. 90% Design Report

Task Assumptions

- > Meetings associated with Task 6, will be covered under Task 1: Project Management and Meetings
- > Dewatering and diversion plans completed under this task will be a suggestion only with contractor submittal requirements through special provision.
- > The 90% plan set will include permit conditions where feasible.
- > 90% Milestone deliverable will be submitted to the City for a single round of review. Review period will be 14 days and the City will produce a consolidated redline set with comment log. Stantec will address comments and record actions on the comment log and proceed to the next round of project development (no second review will be undertaken).
- > Plan set estimated to be 16 sheets total.
- > In accordance with funding agency requirements the 90% Package will be reviewed by Ecology for a 45-day review period. Formal written approval is required before bidding the project. We assume that the City will facilitate communications with Ecology in advance of the 90% Design Submittal so that the project approach is understood and agreed to prior to formal submittal and review by the agency. Design will progress following receipt of City comments at the end of the 14-day City review period.
- > CORPs permitting process assumed to be 2 years from date of submittal before work will begin on the 90% Plans and Design Report.

Task Deliverables

- > 90% Design Plans
- > 90% Engineer's Cost Estimate
- > 90% Draft Technical Specifications
- > 90% Design Report

Reference: Pioneer Park Riparian Restoration Amendment #2

6. Task 6: Final Plans and Design Report

The final design iteration will be based on the 90% Plans and associated documents, incorporating City review comments and comments through permitting process, to advance the set to the Final Design Stage.

The Final Design Set will include:

- 6.1. Final Construction Plans (signed and stamped by a licensed Washington engineer)
- 6.2. Final Engineer's Cost Estimate and Technical Specifications
- 6.3. Final Design Report

Task Assumptions

- > Meetings associated with Task 6, will be covered under Task 1: Project Management and Meetings
- > Final Design Report shall be a compilation of all plans, processes, modeling results, permits, and project communications leading up to the Final Design.
- > Final Milestone deliverable will be submitted to the City for a single round of review. Review period will be 14 days and the City will produce a consolidated redline set with comment log. Stantec will address comments and record actions on the comment log and provide the Final Package to the City with the comment log completed to indicate comment resolution. Additional rounds of review and resolution are outside the scope of this effort.

Task Deliverables

- > Final Construction Plans (signed and stamped by a licensed Washington engineer)
- > Final Engineer's Cost Estimate
- > Final Technical Specifications (signed and stamped by a licensed Washington engineer)
- > Final Design Report
- > Final No-Rise Certification Documentation

Reference: Pioneer Park Riparian Restoration Amendment #2

7. Proposed Schedule

Task/Deliverable	Completion Date
Notice to Proceed	5/17/2022 - completed
Kickoff meeting	5/19/2022 - completed
Draft Cultural Resources Report and Inadvertent Discovery Plan	6/15/2022 - completed
Site Investigation and Site Survey Data Collection	7/20/2022 - completed
Scope of Work Amendment Approved	6/15/2023
Concept Alternatives Development	10/02/2023
60% Plans and Design Report	3/01/2024
Permitting and Environmental Compliance	3/15/2024
90% Plans and Design Report	6/15/2026
Final Plans and Design Report	9/01/2026
Bid Solicitation Support – not included in scope	3/15/2027
Construction Support – not included in scope	7/15/2027

8. Proposed Budget

The total fee for the work described above is \$123,848. Stantec will utilize the remaining budget from the original SPA fee and is requesting an additional \$49,955 to complete this work.

Top Task/Deliverable	Original SPA Fee	Amendment #2 Fee	Total Fee
Task 1: Project Management and Meetings	\$26,828	\$13,081	\$39,909
Task 2: Data Collection and Analysis	\$43,484	\$17,583	\$61,067
Task 3: Preliminary Plans and Design Report	\$34,361	\$15,055	\$49,416
Task 4: Permitting and Environmental Compliance	\$20,430	\$1,746	\$22,176
Task 5: 90% Plans and Design Report	\$19,174	\$1,519	\$20,693
Task 6: Final Plans and Design Report	\$9,467	\$971	\$10,438
Total Project Cost	\$153,744	\$49,955	\$203,699

Respectfully,

STANTEC CONSULTING SERVICES INC.



Joe Richards PE, CWRE
Stantec
Principal Engineer
Mobile: 503-830-9669
joe.richards@stantec.com

Design with community in mind

TO: Public Works Committee
FROM: Dan Smith, Water Resources & Sustainability Director
DATE: July 20, 2023
SUBJECT: Somerset Hill Fish Passage Barrier Removal Project Update

1) Recommended Action:

None. Item is for discussion only.

2) Background:

The culvert conveying Percival Creek under Somerset Hill Drive has been identified as a partial barrier to fish passage due to velocity, and flows have the potential to undermine a sanitary sewer main adjacent to the creek. The City plans to replace the culvert to allow for easier fish passage, improved habitat, and realignment of the creek toward its natural channel and further protect the sewer main. Water Resources & Sustainability has been working with Skillings Inc., to review alternatives for crossing structures that will work the best for the site.

The project is seeking a design and permitting grant from the Washington State Recreation and Conservation Office's Salmon Recovery Funding Board and multiple alternatives were reviewed with the WRIA 13 Lead Entity for funding recommendations. Per the funding review group, the recommended alternative includes crossing the creek with a bridge span, resulting in a third place ranking, suggesting the project is anticipated to receive some grant funding to support design and permitting efforts. The other alternatives did not rank high enough to support funding.

3) Policy Support:

Strategic Priority B – Be a Leader in Environmental Sustainability

- Remove obstructions to fish passage

4) Alternatives:

☐ None

5) Fiscal Notes:

Costs for design and permitting range from \$205,000 to \$330,000 for the selected alternative. Tumwater anticipates receiving up to \$255,000 in grant funding from the Salmon Recovery Funding Board, with the remaining funds provided for by the Storm Drain Utility fund.

6) Attachments:

None