The City of Port Angeles Washington



2024 - 2029

Preliminary Capital Facilities Plan & Transportation Improvement Plan

CITY OF PORT ANGELES

2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

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Civil Service Commission
Lodging Tax Advisory Committee
Parks, Recreation & Beautification Commission
Planning Commission
Port Angeles Forward Committee
Public Safety Advisory Board
Utility Advisory Committee

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CITY OF PORT ANGELES
WASHINGTON, U.S.A.

City Manager's Office

April 28,2023

Honorable Mayor and City Council of the City of Port Angeles, Washington,

It is with much pleasure that I present to you the City's 2024 – 2029 Capital Facility Plan and Transportation Improvement Plan (CFP/TIP). The 2023 total capital budget is proposed at $44,659,000, with $14,287,400, or 31.9% going toward utility related projects. This document provides the current year as well as the next six years of information on the planned facility, utility, parks, public safety and transportation improvements for the Port Angeles community. Additionally, the adoption of this plan will adjust any current budget amounts set aside for capital projects in last years CFP process to reflect any changes made to this plan. The information included will also represent the upcoming year's capital budget. In addition, the CFP/TIP document incorporates and aligns with the City's vision for the future as illustrated in the Comprehensive Plan and the Strategic Plan as approved by the City Council.

The visions and goals determined by City Council and the Port Angeles community are reflected in this CFP. The completion of projects that will keep utilities sustainable, provide a better quality of life for our community, drive economic growth to support Port Angeles businesses and ensure community assets are safe and available for residents to use is paramount to the long-term success of the City. Looking forward the capital plan seeks to focus on preventable maintenance to keep costs from escalading beyond what is affordable and plans for appropriate depreciation levels as identified by City Council to ensure the City remains a good steward of the overall resources and funds of our community.

The CFP/TIP balances many needs and realities, in order to provide a sustainable map for replacements and upgrades of the City's infrastructure. When balancing these needs it is essential to consider these critical projects require sustainable funding options that remain fiscally responsible to our community. Whenever possible grant funding is sought to complete the capital plan without financially burdening our community. The 2024 – 2029 CFP/TIP includes over $12.4 million in grant funding planned in the 2023 budget year, and $58.5 million anticipated in the full seven year cycle. Additionally, Council policy and direction in regard to capital planning states no new debt will be considered to complete projects and that minimal rate impacts will result from this plan as well. High inflation coupled with the challenges of transitioning out of the pandemic have created potential long-term financial impacts including significant cost increases to complete projects and replace infrastructure. With already limited funding sources project increases are extremely impactful and without additional revenue project completion cannot occur as needed exposing the City to possible liability and limiting our community's ability to enjoy and utilize community resources. As a result the 2024-2029 CFP is balanced with slight increases to the utility fund transfers in future years that will likely impact rates in the Electric, Water, Wastewater and Stormwater funds. These transfer increases are planned in correspondence with debt maturities whenever possible to avoid rate adjustments.

Additionally, City Staff has worked to ensure project scope is in line with City priorities and does not exceed need of community. In addition, higher than expected real estate excise tax (REET) and Transportation Benefit District (TBD) tax collection in the last several years have allowed the City to utilize this funding to complete projects that would not have been funded otherwise. As a result of these funding opportunities, the plan presented in this document demonstrates a balance of these fiscal realities as well as a focus on critical infrastructure needs to create long-term sustainability that promotes good stewardship of city assets and reduces risk by maintaining or replacing infrastructure in a timely manner.

Additionally, depreciation levels in all funds are equal to, or exceeding, funding with the exception of the transportation fund, the general government fund and the Wastewater capital fund. The depreciation to cash ratio in the transportation fund falls below requested levels as the City maximizes and utilizes every dollar collected from the Transportation Benefit District (TBD) tax as well as grant funding in future years. In the General Governmental fund depreciation levels reflect realities of General Funds limited funding. Finally, while the Wastewater fund falls below depreciation levels in 2029 due to several large projects this fund will continue to build depreciation levels in years beyond what is included in this plan.

While fiscal realities allow the plan to move forward. Staffing capacity to complete projects in a timely manner has also been heavily considered in this plan. Funding has been identified to cover project costs, however, management continues to work on ensuring we have enough qualified staff to move identified projects forward. Without successful hiring of key positions some projects may need to be carried another year into the 2024 Budget. Considering there are many critical projects that will move at a slower pace without additional staff resources this will ultimately result in balancing the need for additional staff positions in comparison with the ramifications of project delays. Projects have been carefully prioritized based on infrastructure needs and funding that may be lost should the project be delayed. Already we have hired or authorized the following new positions to prevent further delay. These positions include Project Manager, Stormwater Engineer, Capital Projects Engineer and Capital Projects Inspector. Never in the past 20 years has the City seen such a large investment in newly authorized positions. Growing staff capacity to ensure implementation of more essential projects is a top priority and must be addressed if we are to keep up with aging infrastructure. This need has been demonstrated in each project summary and section of the CFP with estimated personnel hours and costs included for ease of reference.

2022 Accomplishments

In 2022, staff were able to complete a number of projects amounting to $9,125,435. Highlights of the finished projects from 2022 include the Erickson Playfield Pump Track, the installation of the first 24 hour restrooms as part of the restroom replacement project, the Lincoln Street Safety Project, Waterfront Trail Repairs, the A Street Substation Switchgear Replacement, the N Street Outfall Improvement and the transition to City operation of the Transfer Station. A full list of complete projects can be found in the "Complete" section of this document. Funding for projects that were carried into the 2023 Budget for completion will remain in the capital fund until the project is complete to ensure these projects are not deferred.

Capital Highlights for the 2023 Budget year

Due to the need to carry many projects from the 2023 Budget, the 2024-2024 CFP/TIP continues the City's commitment to public safety, community enhancement and transportation from the previous year shown in projects such as: the Joint Emergency Operations Center and 911 Building, City Pier Railing Replacements, continued Restroom Replacements, Enterprise System Replacement, the Race Street Design, Comprehensive Plans in the Water and Wastewater utilities, the Pavement Management Plan, continued chip seal projects, Downtown Street Tree and Sidewalk Replacements, Laurel Street Stairs Replacement, the light operations building construction, the replacement of Pump Station #3 Force Main and improvements to the Industrial Water Treatment Plant. These projects seek to improve the quality of life for Port Angeles residents, provide further safety and security measures to our community and create efficiencies that will allow increased capacity that can help Port Angeles thrive. The diversity of projects allows for further success as we look to the future to maintain and preserve our existing infrastructure but also to seek to provide opportunities for growth and enhancements that our community can embrace.

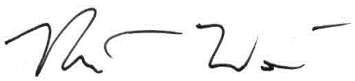
Finally, the 2024-2029 CFP/TIP includes over $129 million in unfunded projects. These projects have been identified as needed expenses; however, funding has not yet been secured to move these projects forward. Including unfunded projects in the CFP/TIP allows staff flexibility to seek grant funding or explore other avenues for revenue sources and does not indicate that the project is unimportant.

Conclusion

The CFP/TIP completes one of many components that contribute to financial planning for the City's infrastructure and assets. This plan is a living document that changes throughout the year as Staff, Council and the Community evaluate projects, need, staff time and funding to maintain a balanced approach and ensure the expectations and visions of the City are placed in the forefront of this planning. The ability of the City to preserve what we have now, maintain assets we need and have a vision for our future is essential to fiscally sound operations. Infrastructure that is safe and fully functional allows City staff to properly serve our citizens and allows our community to thrive through enhancements.

In conclusion, I would like to express my appreciation to all who have contributed to the CFP/TIP including City Council, the Utility Advisory Committee, City Staff and the Port Angeles Community. The dedication and commitment to the City by all will not only allow sustainable growth for our great community, but will ensure stability for many years to come.

Respectfully submitted,



Nathan West City Manager

HOW TO READ THIS PLAN

The **Executive Summary** provides a summary of project costs and funding sources included in the 2024-2029 six-year planning window. This will provide at-a-glance information for the next six years and provide information on current project spending.

The **Financial Strategies** section explains the amount of money the City of Port Angeles can legally borrow. This is important as it explains the limitations on Council approved financing options and revenue based financing options.

The **Comparison to the Prior Facilities Plan** section provides a review of the changes from the 2022-2027 to this Plan.

The **Capital Facilities Plan (CFP)** section explains the purpose of the CFP, statutory requirements, and methodologies used to develop the CFP in its entirety.

The **Capital Facility Plan by area** provides summary information on funding sources for each project, as well as expected spending in each of the six years outlined in this plan. This section breaks out the projects into their reporting areas. Each area also includes a listing of projects that are identified, but currently do not have a funding source.

The **Completed Project** section provides a brief listing of all recently completed capital projects.

The **Link to the Comprehensive Plan** section incorporates the Growth Management element by linking all CFP projects to the Comprehensive Plan and Council's Strategic Plan.

EXECUTIVE SUMMARY

The City of Port Angeles has combined the Cost of Service Study, Budget, Long Range Financial Plan, Comprehensive Plan and Strategic Plan to plan the capital facility replacements and enhancements for the coming six years. This was completed in an effort to stabilize utility rates at a minimum level without delaying needed capital improvements. As a result, at the end of each section there is a list and brief description of projects that have been identified but currently do not have a funding source. Staff will continue to prioritize projects and work to find funding, including seeking grants.

City staff has worked very hard to maintain a high level of operations with minimal to no rate increases for the capital improvements. The process is very complex and provides a living document that will change should Council approve or delete spending based on changing priorities. The Capital Facilities Plan and Transportation Improvement Program will be kept in sync with the budget, allowing staff to obtain information easily. Additional Council direction was utilized to prioritize projects and determine timing and scope of projects as listed below:

- Minimal to no rate impact
- Cash set aside equal to prior year's depreciation
- Leverage projects
- No new debt
- Focus on preventable maintenance to increase asset life
- Complete streets initiative

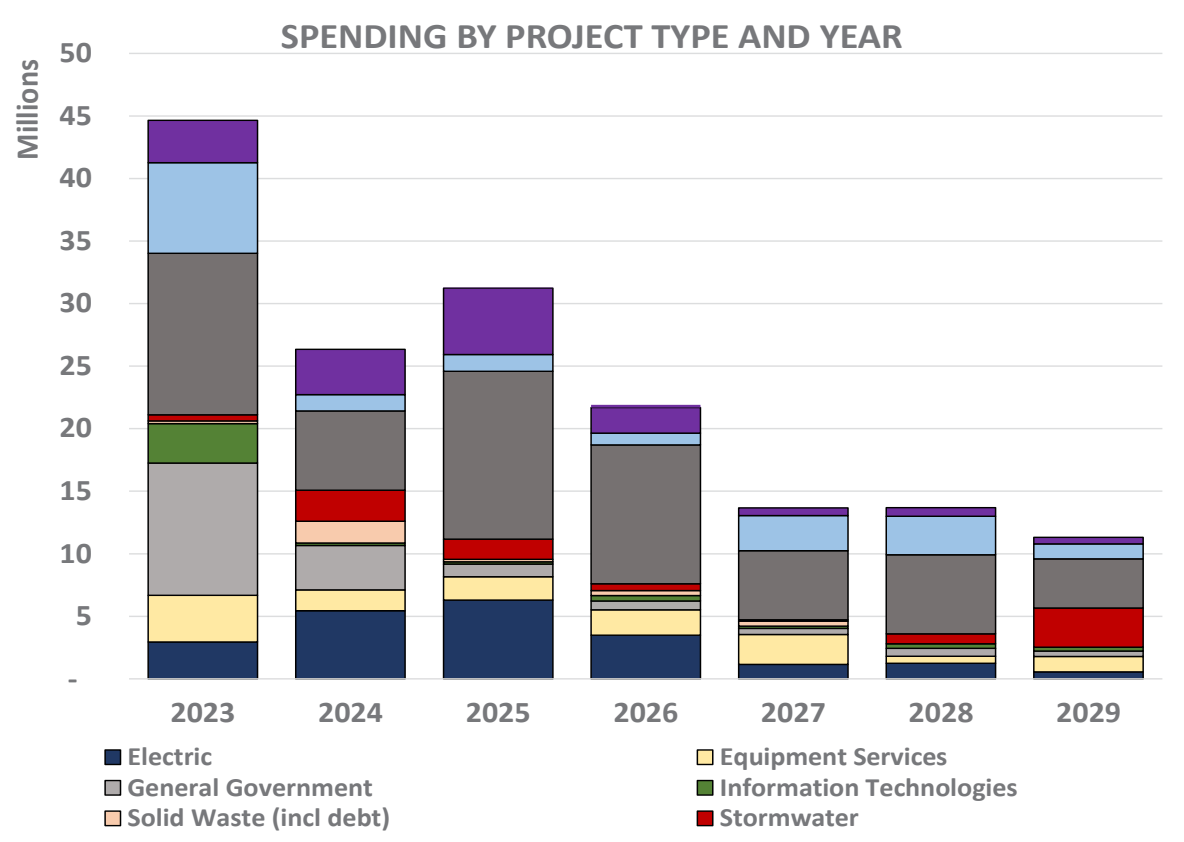
The Capital Facilities Plan (CFP), and Transportation Improvement Plan (TIP) includes projects within an unfunded designation. These unfunded projects are where the City knows improvements are needed, but funding has not been secured.

The following methodologies and considerations were used when creating and prioritizing the CFP.

- Combined impacts from continued inflation and delays in the ability to obtain goods have resulted in increases to project costs to all areas in the capital plan as well as the need to shift project priorities, or timing of the completion of the project. Staff has carefully considered all areas where this has been necessary to keep costs to ratepayers as low as possible, without future cost increases that will occur with delayed maintenance.
- Grant funding is essential to the completion of the Capital plan as City funds alone cannot support the critical capital needs outlined in the plan. If the funds are not received the project scope may change, or the project may be moved to the unfunded section of the plan.
- The capacity of staff to adequately and timely complete projects was carefully considered during the CFP/TIP process. Staff continues to work to obtain necessary staffing to move the plan forward; however, some projects may need to be carried into future budget years if hiring of key positions is not possible.
- Governmental and transportation projects will continue at an average spending level with a few large grant funded projects. This does not allow for the accumulation of depreciation levels, or for replacement of assets that are past recommended life cycles, rather it keeps funding at levels the General Fund can afford.
- The Transportation Benefit District (TBD) will continue to enhance funding for transportation projects. In 2022, $1,119,825 was collected in revenue, a 37.5% increase as compared to the planned budget. Though this funding has significantly increased the City's ability to complete projects, there continues to be a critical need in this fund to increase the City's Pavement Management Index (PMI) which is currently at a 36 out of 100.
- Utility funding plans may appear to be out of balance due to use of funding set aside in earlier years. Projects in utility funds are primarily supported by a transfer from the utility. This transfer is built into the rates during the Cost of Service Analysis (COSA) process to allow projects to be completed without the need for significant additional rate increases. This capital transfer amount is averaged over the six-year CFP cycle to keep rates consistent in order to avoid large increases in years when large projects occur. The following changes occurred to utility capital funds to meet CFP requirements. Council direction was utilized to prioritize projects and determine timing and scope of projects as listed below:
    - The Electric capital fund utilized $3.7 million in excess operating reserves to complete the light operations building due to projected cost increases that occurred due to inflation. Additionally, an increase to the rate transfer is planned in correspondence with debt maturities to fund planned projects without rate increases.
    - In the Water capital fund, an increase the transfer from the operating fund will be necessary to complete critical projects. An additional use of $2.5 million will occur from reserves designated for rates stabilization and infrastructure during the planned CFP cycle. In 2028 an increase of approximately 1.0% to rates is also planned to complete large critical projects.
    - The Wastewater capital plan utilized $850,000 from excess reserves in the capital fund for completion. Additionally, this fund includes several significant projects essential for the sustainability of the utility and as a result an estimated increase of 2.0% in 2025 and 2027 will occur to the rates to fund these projects. In addition, the Combined Sewer Overflow and Wastewater capital plans have been combined to leverage cash flow and coordination of projects.
    - The Solid Waste fund will be carefully monitored by Staff as the City's transition of services move toward completion to ensure adequate funding for future services and infrastructure needs are maintained.
- Equipment replacements were particularly impacted in this CFP plan by the effects of economic trends and inflation. Current and future vehicle replacement saw significant increases and delays in receipt of goods that will impact operating funds Citywide.
- In all areas Staff worked to maintain a 1:1 cash to depreciation level. However, in order to fully utilize the funding collected from the TBD tax, and various grants received, the transportation and governmental funds cash balance falls below the 1:1 depreciation level. Additionally, in the wastewater fund cash to depreciation levels fall below 1:1 in the years listed in the CFP due to several very large projects that are scheduled to occur in the next six years; however, this will return to required levels in years beyond this CFP cycle.

EXPENDITURE SUMMARY BY PROJECT TYPE

Expenditures	Budget 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Electric	2,940,000	5,449,900	6,300,000	3,500,000	1,150,000	1,250,000	550,000
Equipment Services	3,734,300	1,669,600	1,856,400	2,027,900	2,390,800	550,400	1,240,200
General Government	10,577,400	3,547,500	1,028,000	696,300	486,300	646,600	434,300
Information Technologies	3,146,400	200,000	180,000	430,000	180,000	350,000	300,000
Medic 1	-	-	40,000	224,700	-	-	-
Solid Waste (incl debt)	230,000	1,741,300	200,000	400,000	400,000	-	-
Stormwater	480,000	2,471,300	1,606,000	547,000	110,000	800,000	3,139,000
Transportation	12,913,500	6,335,400	13,408,800	11,099,000	5,530,000	6,320,000	3,935,000
Wastewater and CSO (incl debt)	7,251,800	1,309,100	1,355,300	934,400	2,810,700	3,078,200	1,197,500
Water	3,385,600	3,612,700	5,297,600	2,050,000	614,500	683,600	517,500
Totals	**44,659,000**	**26,336,800**	**31,272,100**	**21,909,300**	**13,672,300**	**13,678,800**	**11,313,500**

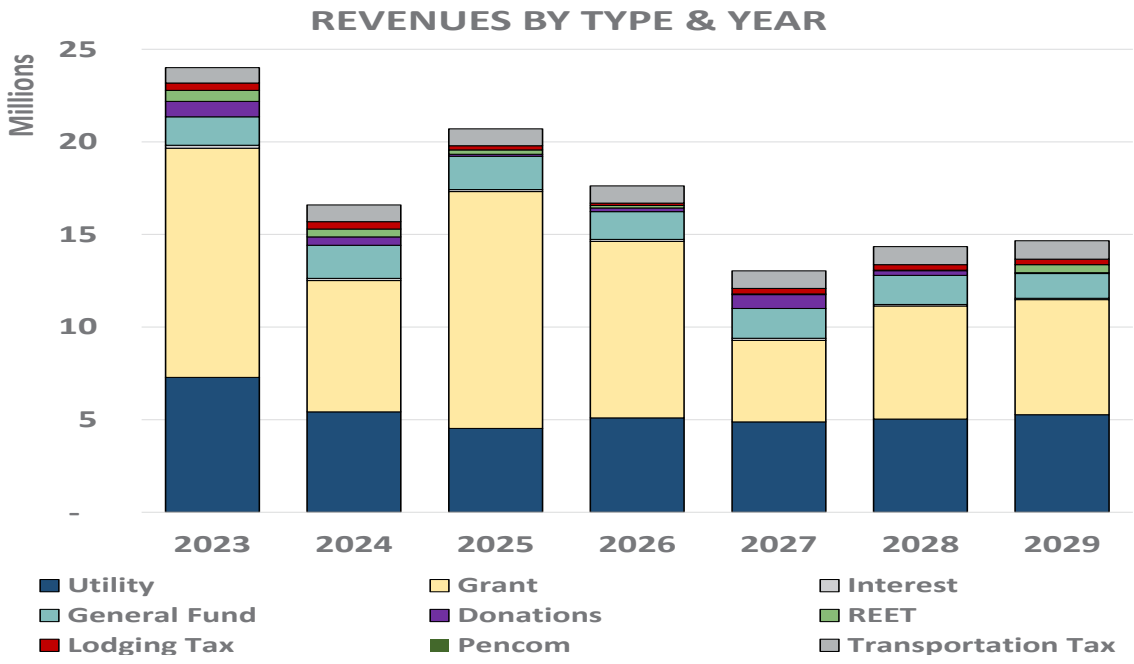


FUNDING SOURCES BY TYPE

Revenues	2023	2024	2025	2026	2027	2028	2029
Electric	850,000	4,550,000	850,000	950,000	950,000	1,050,000	1,050,000
Equipment Services	1,354,900	2,061,500	1,843,300	1,950,800	2,003,800	1,999,900	2,037,000
General Government	8,962,100	3,176,000	831,500	520,500	562,500	568,500	491,500
Information Technologies	286,300	433,700	333,700	333,700	333,700	333,700	333,700
Medic 1	50,500	50,500	50,500	50,500	50,600	50,600	50,600
Solid Waste (incl debt)	162,100	737,300	391,000	392,700	393,300	390,000	396,700
Stormwater	443,000	667,000	476,000	910,000	494,000	929,000	2,727,000
Transportation	10,155,300	5,479,200	13,887,800	10,652,100	5,697,300	6,183,000	4,731,000
Wastewater and CSO (incl debt)	1,350,400	1,986,000	1,293,900	1,434,800	1,602,300	1,613,800	1,787,800
Water	1,476,000	2,775,000	3,225,000	2,100,000	1,100,000	1,200,000	1,200,000
Totals	**25,090,600**	**21,916,200**	**23,182,700**	**19,295,100**	**13,187,500**	**14,318,500**	**14,805,300**

Revenue by Type	2023	2024	2025	2026	2027	2028	2029
Utility	7,282,700	5,420,100	4,530,300	5,098,000	4,877,000	5,035,600	5,267,100
Grant	12,371,100	7,094,200	12,790,000	9,525,000	4,400,000	6,100,000	6,215,000
General Fund	1,535,400	1,784,900	1,796,800	1,494,800	1,613,300	1,574,800	1,332,800
Donations	825,000	450,000	110,000	200,000	750,000	250,000	50,000
Interest	166,800	115,500	103,400	114,600	115,800	82,700	72,600
REET	600,000	430,000	233,800	130,000	30,000	30,000	430,000
Electric from Reserves	-	3,700,000	-	-	-	-	-
Water from Reserves	-	-	2,200,000	-	-	-	-
Stormwater from Reserves	-	200,000	-	-	-	-	-
Internal service funds	30,800	30,800	30,800	30,800	30,800	30,800	30,800
Pencom	-	-	-	-	-	-	-
Range User Fees	-	-	-	-	-	-	-
Lodging Tax	400,000	400,000	223,800	130,000	300,000	300,000	300,000
NICE Funds	-	-	-	-	-	-	198,000
Transportation Tax	830,000	896,400	914,300	932,600	951,300	970,300	989,700
Totals	**24,041,800**	**20,521,900**	**22,933,200**	**17,655,800**	**13,068,200**	**14,374,200**	**14,886,000**

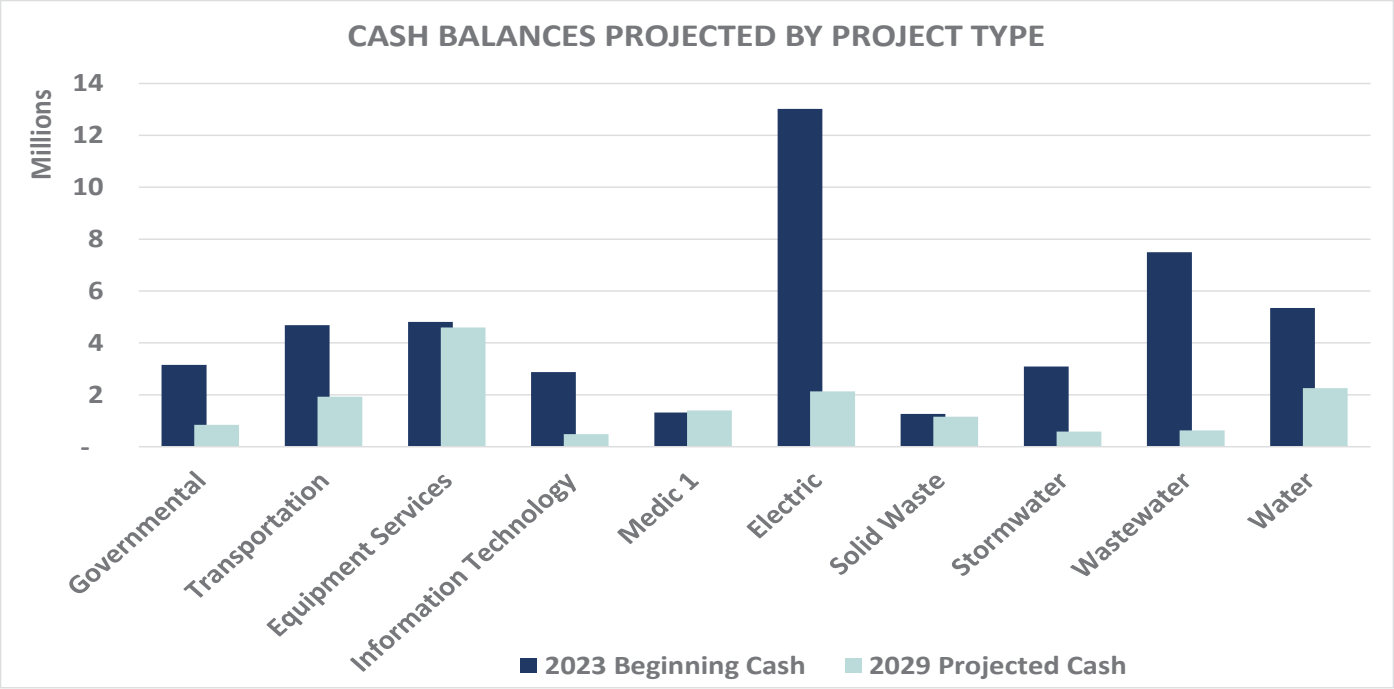
Note: General Fund amounts include allocated funds reported in the operating Internal Service Funds as revenues for both Information Technologies and Equipment Services.



Capital Fund	2023 Beginning Cash	2029 Projected Cash	2029 Projected Depreciation	Cash Ratio to Depreciation
Governmental	3,151,702	847,902	1,555,451	0.5
Transportation	4,684,791	1,928,791	2,917,856	0.7
Equipment Services	4,809,535	4,591,135	1,171,973	3.9
Information Technology	2,879,365	481,465	556,592	0.9
Medic 1	1,313,746	1,402,846	46,833	30.0
Electric	13,022,083	2,132,183	1,873,143	1.1
Solid Waste	1,262,431	1,154,231	681,811	1.7
Stormwater	3,089,060	581,760	258,089	2.3
Wastewater	7,494,205	626,205	2,243,514	0.3
Water	5,346,683	2,261,183	2,147,466	1.1
Total Cash	**47,053,600**	**16,007,700**	**13,452,728**	**1.2**

Council has directed staff to obtain a 1:1 depreciation to cash ratio for all Utility funds. Internal Service funds and Governmental funds may show a much lower ratio due to the availability of funds.

*CSO depreciation is included in Wastewater fund.



SUMMARY PROJECT LISTING BY FUNCTION

This section combines the detail project listing from each functional area to provide a comprehensive project list in the Executive Summary. This listing is included as an attachment to the council resolution adopting the CFP and TIP.

GENERAL GOVERNMENT CAPITAL PROJECTS Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
GENERAL GOVERNMENT/FACILITIES														
GG0303	NICE Funds	R	Revolving	Excellent	787,100	262,100	75,000	75,000	75,000	75,000	75,000	75,000	75,000	-
GG1113	Facility Security Projects	A	Active	Fair	526,000	57,400	288,600	30,000	30,000	30,000	30,000	30,000	30,000	-
GG0121	Broadband Improvement Feasibility Study	9	Pre-planning	Poor	50,000	-	50,000	-	-	-	-	-	-	-
GG0119	Ennis Creek Fish Barrier Removal	10	Pre-planning	Poor	1,400,000	-	-	300,000	-	-	-	-	-	1,100,000
GG0416	City Hall Fire Detection System	3	Planning	Fair	150,000	-	-	150,000	-	-	-	-	-	-
GG0516	Senior Center Fire Detection System	2	Design	Fair	125,000	-	-	125,000	-	-	-	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	Unfunded	Poor	2,110,900	-	-	-	-	-	-	-	-	2,110,900
PUBLIC SAFETY														
FD0415	Fire Department Turn-Out Gear	R	Revolving	Good	320,600	160,300	-	-	-	-	-	160,300	-	-
FD0615	Fire Hoses	R	Revolving	Good	91,500	21,000	14,000	7,500	9,000	10,000	10,000	10,000	10,000	-
FD0218	Self Contained Breathing Apparatus	R	Revolving	Good	250,000	-	-	-	-	250,000	-	-	-	-
CAPPC	Pencom Capital	R	Revolving	Good	601,500	251,500	50,000	50,000	50,000	50,000	50,000	50,000	50,000	-
PD0307	Police Regional Training & Gun Range Facility	R	Revolving	Excellent	265,000	75,900	59,900	32,000	32,000	16,300	16,300	16,300	16,300	-
PD0116	Mobile Data Terminal Replacements	R	Revolving	Good	288,300	152,700	39,600	16,000	16,000	16,000	16,000	16,000	16,000	-
PD0120	Police Taser Replacements	A	Active	Fair	256,600	61,400	25,200	13,000	37,000	-	40,000	40,000	40,000	-
PD0121	EOC/911 Dispatch (PenCom center)	A	Planning	Poor	7,000,000	116,900	6,883,100	-	-	-	-	-	-	-
FD0318	Emergency Management Pods	A	Planning	Good	158,000	14,200	137,800	1,000	1,000	1,000	1,000	1,000	1,000	-
FD0315	Fire Station Garage Door Replacement	6	Planning	Good	450,000	-	-	-	450,000	-	-	-	-	-
PD0122	Police Radio Replacement	R	Planning	Poor	140,000	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	-
PD0123	PenCom ROIP Project	1	Active	Poor	450,000	-	-	450,000	-	-	-	-	-	-
PD0223	Police Body Worn Cameras	R	Revolving	Poor	260,000	-	-	52,000	52,000	52,000	52,000	52,000	-	-
FD0121	Westside Fire Station	UF	Unfunded	Poor	3,000,000	-	-	-	-	-	-	-	-	3,000,000
FD0120	Fire Station Front Driveway Repair	UF	Unfunded	Poor	130,000	-	-	-	-	-	-	-	-	130,000
FD0216	Fire Training Facility	UF	Unfunded	Poor	1,200,000	-	-	-	-	-	-	-	-	1,200,000
FD0316	Senior Center EOC Generator (Secondary City EOC)	UF	Unfunded	Poor	150,000	-	-	-	-	-	-	-	-	150,000
FD0416	Radio Transmitter Generator (I & 10th Streets)	UF	Unfunded	Poor	25,000	-	-	-	-	-	-	-	-	25,000
FD0123	SCBA Refill Compressor System	UF	Unfunded	Poor	103,000	-	-	-	-	-	-	-	-	103,000
PARKS AND RECREATION														
PK0216	Facility Improvement Revolving Fund	R	Revolving	Good	145,000	29,900	25,100	15,000	15,000	15,000	15,000	15,000	15,000	-
PK0205	Restroom Replacement Program	R	Revolving	Poor	1,740,000	727,800	112,200	150,000	150,000	150,000	150,000	150,000	150,000	-
PK0418	Civic Field Upgrades	R	Revolving	Poor	224,200	136,200	22,000	11,000	11,000	11,000	11,000	11,000	11,000	-
PK0819	City Pier Railing Replacement	A	Active	Poor	755,000	30,800	724,200	-	-	-	-	-	-	-
PK0220	Synthetic Field Turf at Volunteer Field	A	Active	Good	750,000	36,000	714,000	-	-	-	-	-	-	-
PK0719	Parks Maintenance Building	A	Active	Poor	706,500	174,400	532,100	-	-	-	-	-	-	-
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	A	Active	Poor	400,000	45,400	354,600	-	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	A	Active	Poor	130,000	-	50,000	-	80,000	-	-	-	-	-
PK0320	HVAC Upgrades at City Facilities	4	Design	Poor	2,150,000	-	150,000	2,000,000	-	-	-	-	-	-
PK0122	Erickson Playfield Tennis Court Improvement	7	Active	Fair	220,000	-	220,000	-	-	-	-	-	-	-
PK0222	OVC Columbarium Expansion	5	Active	Poor	50,000	-	-	50,000	-	-	-	-	-	-
PK0123	Elks Pickleball Court Improvements	8	Active	Fair	30,000	-	30,000	-	-	-	-	-	-	-
PK0223	Aluminum Bleacher Upgrades	UF	Unfunded	Poor	100,000	-	-	-	-	-	-	-	-	100,000
PK0323	Senior Center Front Door Replacement	UF	Unfunded	Poor	45,000	-	-	-	-	-	-	-	-	45,000
PK0319	City Pier Inspection Repairs	UF	Unfunded	Fair	1,000,000	-	-	-	-	-	-	-	-	1,000,000
PK0406	Shane & Elks Field Lighting	UF	Unfunded	Poor	1,000,000	-	-	-	-	-	-	-	-	1,000,000
PK0420	Ediz Hook Boat Launch Repairs	UF	Unfunded	Poor	1,500,000	-	-	-	-	-	-	-	-	1,500,000
PK0802	Neighborhood Park Development	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
TOTALS					**31,234,200**	**2,353,900**	**10,577,400**	**3,547,500**	**1,028,000**	**696,300**	**486,300**	**646,600**	**434,300**	**11,463,900**

MEDIC 1 PROJECTS Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
MEDIC 1														
CAPM1	Medic 1 Equipment	R	Revolving	Good	369,800	186,600	-	-	-	183,200	-	-	-	-
FD0118	Defibrillator Equipment	R	Revolving	Good	258,000	139,500	-	-	40,000	41,500	-	-	-	-
TOTALS					**627,800**	**326,100**	**-**	**-**	**40,000**	**224,700**	**-**	**-**	**-**	**-**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

ELECTRIC PROJECTS Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
ELECTRIC														
CLCAP	Maintenance Capital Contribution	R	Revolving	Fair	1,277,500	227,500	150,000	150,000	150,000	150,000	150,000	150,000	150,000	-
CL0414	Construct New Light Ops Building	A	Active	Fair	10,099,900	430,000	1,500,000	4,469,900	3,700,000	-	-	-	-	-
CL0217	I Street Substation Switchgear Replacement	A	Active	Poor	385,400	15,400	370,000	-	-	-	-	-	-	-
CL0420	College Street Load Tap Changer Replacement	1	Planning	Fair	200,000	-	200,000	-	-	-	-	-	-	-
CL0117	Washington Street Substation Switchgear	2	Pre-Planning	Fair	500,000	-	20,000	480,000	-	-	-	-	-	-
CL0222	Advanced Metering & Outage Management	3	Planning	Poor	3,000,000	-	-	100,000	1,900,000	1,000,000	-	-	-	-
CL0216	City/PUD Service Area Capital Needs	4	Pre-Planning	Good	200,000	-	200,000	-	-	-	-	-	-	-
CL0819	Overhead Reconductoring - 2023	5	Pre-Planning	Fair	250,000	-	250,000	-	-	-	-	-	-	-
CL0619	Underground Cable Replacement - 2023	6	Pre-Planning	Fair	250,000	-	250,000	-	-	-	-	-	-	-
CL0123	Overhead Reconductoring - 2024	7	Pre-Planning	Fair	150,000	-	-	150,000	-	-	-	-	-	-
CL0719	Underground Cable Replacement - 2024	8	Pre-Planning	Fair	100,000	-	-	100,000	-	-	-	-	-	-
CL0223	Overhead Reconductoring - 2025	9	Pre-Planning	Fair	250,000	-	-	-	250,000	-	-	-	-	-
CL1019	Underground Cable Replacement - 2025	10	Pre-Planning	Fair	100,000	-	-	-	100,000	-	-	-	-	-
CL0323	Overhead Reconductoring - 2026	11	Pre-Planning	Fair	250,000	-	-	-	-	250,000	-	-	-	-
CL0221	Underground Cable Replacement - 2026	12	Pre-Planning	Fair	100,000	-	-	-	-	100,000	-	-	-	-
CL0320	F Street Load Tap Changer Replacement	13	Pre-Planning	Fair	200,000	-	-	-	-	200,000	-	-	-	-
CL0120	F Street Transformer Replacement	14	Pre-Planning	Fair	2,000,000	-	-	-	200,000	1,800,000	-	-	-	-
CL0816	College Street Substation Switchgear	15	Pre-Planning	Poor	500,000	-	-	-	-	-	500,000	-	-	-
CL0121	Overhead Reconductoring - 2027	16	Pre-Planning	Fair	250,000	-	-	-	-	-	250,000	-	-	-
CL0321	Underground Cable Replacement - 2027	17	Pre-Planning	Fair	250,000	-	-	-	-	-	250,000	-	-	-
CL0122	Underground Cable Replacement - 2028	18	Pre-Planning	Fair	250,000	-	-	-	-	-	-	250,000	-	-
CL0523	Underground Cable Replacement - 2029	19	Pre-Planning	Fair	250,000	-	-	-	-	-	-	-	250,000	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	20	Pre-Planning	Fair	350,000	-	-	-	-	-	-	350,000	-	-
CL0520	Substation Seismic Bracing	21	Pre-Planning	Fair	500,000	-	-	-	-	-	-	500,000	-	-
CL0423	Overhead Reconductoring - 2029	22	Pre-Planning	Fair	150,000	-	-	-	-	-	-	-	150,000	-
CL0322	Electric Vehicle Charging Station - Fast Chargers	UF	Unfunded	Poor	500,000	-	-	-	-	-	-	-	-	500,000
TOTALS					22,312,800	672,900	2,940,000	5,449,900	6,300,000	3,500,000	1,150,000	1,250,000	550,000	500,000

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



Number	WATER PROJECTS Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
WATER														
CAPWT	General Water Equipment	R	Revolving	Good	579,300	141,900	137,400	50,000	50,000	50,000	50,000	50,000	50,000	-
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	Active	Fair	880,000	24,300	20,000	835,700	-	-	-	-	-	-
WT0218	Reservoir Instrumentation Upgrades	A	Planning	Poor	290,000	9,600	280,400	-	-	-	-	-	-	-
WT0321	Facility Assessment	A	Planning	Fair	10,000	-	10,000	-	-	-	-	-	-	-
WT0221	Race Street Water Main Replacement South	A	Planning	Fair	1,284,800	59,400	1,225,400	-	-	-	-	-	-	-
WT0420	Ennis Creek Water Main Relocate	A	Pre-Planning	Good	264,000	-	-	264,000	-	-	-	-	-	-
WT0619	Peabody Reservoir Inlet Pipe Replacement	1	Planning	Fair	441,400	-	81,400	360,000	-	-	-	-	-	-
WT0519	Water Treatment Plant Repairs	2	Planning	Fair	300,000	-	300,000	-	-	-	-	-	-	-
WT0421	Race Street Water Main Replacement North	3	Planning	Fair	1,700,000	-	-	200,000	1,500,000	-	-	-	-	-
WT0319	Ground Water Resiliency Program	4	Planning	Fair	1,600,000	-	-	700,000	700,000	200,000	-	-	-	-
WT0121	White Creek & 3rd Street Main Crossing	5	Planning	Poor	720,000	-	120,000	600,000	-	-	-	-	-	-
WT0320	Morse Creek Transmission Main Eval/Design	6	Pre-Planning	Poor	440,000	-	440,000	-	-	-	-	-	-	-
WT0612	3rd & Vine Street Main	7	Planning	Fair	564,500	-	-	-	-	-	564,500	-	-	-
WT0219	Peabody Heights Floating Cover Replacement	8	Planning	Fair	506,000	-	-	253,000	253,000	-	-	-	-	-
WT0111	Liberty Street Water Main	9	Design	Good	610,300	15,700	-	-	594,600	-	-	-	-	-
WT0412	West 4th Street Water Main	10	Planning	Fair	1,800,000	-	-	-	-	1,800,000	-	-	-	-
WT0512	East 4th Street Water Main	11	Planning	Good	633,600	-	-	-	-	-	-	633,600	-	-
WT0212	East 6th Street Water Main	12	Planning	Good	467,500	-	-	-	-	-	-	-	467,500	-
WT0123	11th Street ROW Tumwater Creek Crossing	13	Planning	Poor	60,000	-	60,000	-	-	-	-	-	-	-
WT0223	14th Street ROW Tumwater Creek Crossing	14	Planning	Poor	60,000	-	60,000	-	-	-	-	-	-	-
WT0120	Water System SCADA Upgrade	UF	Unfunded	Poor	786,500	-	-	-	-	-	-	-	-	786,500
WT0717	Race/Caroline Street Fire Flow	UF	Unfunded	Good	810,700	-	-	-	-	-	-	-	-	810,700
WT0112	10th Street Water Main	UF	Unfunded	Poor	1,095,100	-	-	-	-	-	-	-	-	1,095,100
WT0116	Marine Drive Main Replacement Phase II	UF	UnFunded	Poor	1,815,000	-	-	-	-	-	-	-	-	1,815,000
WT0117	Mill Creek Reservoir Expansion	UF	UnFunded	Poor	4,114,000	-	-	-	-	-	-	-	-	4,114,000
WT0119	McDougal Pressure Subzone	UF	UnFunded	Poor	847,000	-	-	-	-	-	-	-	-	847,000
WT0214	Transmission Main East of Golf Course Road	UF	UnFunded	Poor	2,752,800	-	-	-	-	-	-	-	-	2,752,800
WT0217	Airport/Edgewood Drive Water Main Extension	UF	UnFunded	Poor	6,050,000	-	-	-	-	-	-	-	-	6,050,000
WT0314	Tumwater Truck Route Commercial Fire Flow (LID)	UF	UnFunded	Poor	317,900	-	-	-	-	-	-	-	-	317,900
WT0317	Scribner Booster Station Upgrade	UF	UnFunded	Poor	1,815,000	-	-	-	-	-	-	-	-	1,815,000
WT0318	Viewcrest/Laurel Intertie/PRV	UF	UnFunded	Poor	242,000	-	-	-	-	-	-	-	-	242,000
WT0417	1st/Laurel Street Fire Flow	UF	UnFunded	Poor	464,600	-	-	-	-	-	-	-	-	464,600
WT0418	10th/11th Alley Water Main Replacement	UF	UnFunded	Poor	181,500	-	-	-	-	-	-	-	-	181,500
WT0517	6th/Laurel and 5th Street Fire Flow	UF	UnFunded	Poor	775,600	-	-	-	-	-	-	-	-	775,600
WT0617	Porter Street Zone PRV Improvements	UF	UnFunded	Poor	363,000	-	-	-	-	-	-	-	-	363,000
WT0817	St Andrews Place Fire Flow Loop	UF	UnFunded	Poor	641,300	-	-	-	-	-	-	-	-	641,300
WT0917	East First Street Fire Flow	UF	UnFunded	Poor	111,300	-	-	-	-	-	-	-	-	111,300
WT1017	18th Street Fire Flow	UF	UnFunded	Poor	581,500	-	-	-	-	-	-	-	-	581,500
WT1117	Lauridsen Blvd/Tumwater Fire Flow	UF	UnFunded	Poor	677,600	-	-	-	-	-	-	-	-	677,600
WT0323	Decant Facility Equipment	UF	Unfunded	Poor	70,000	-	-	-	-	-	-	-	-	70,000
WT0423	Advanced Metering Management	UF	Unfunded	Poor	3,000,000	-	-	-	-	-	-	-	-	3,000,000
INDUSTRIAL WATER LINE PROJECTS														
WT0122	Elwha - Fish Screen Facility Improvements	1	Planning	Fair	549,000	-	349,000	200,000	-	-	-	-	-	-
WT0222	Elwha - Effluent Distribution Structure Bypass	2	Planning	Poor	302,000	-	302,000	-	-	-	-	-	-	-
WT0422	Elwha - Temporary Diversion Pumping Facility/Bulkhead Project	3	Pre-Planning	Fair	2,300,000	-	-	100,000	2,200,000	-	-	-	-	-
WT0522	Elwha - Facility Surplus	4	Pre-Planning	Fair	50,000	-	-	50,000	-	-	-	-	-	-
WT0322	Elwha - Surface Water Intake Improvements	UF	UnFunded	Fair	2,000,000	-	-	-	-	-	-	-	-	2,000,000
	TOTALS				**45,924,800**	**250,900**	**3,385,600**	**3,612,700**	**5,297,600**	**2,050,000**	**614,500**	**683,600**	**517,500**	**29,512,400**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

WASTEWATER PROJECTS Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
WASTEWATER														
CAPWW	General Wastewater Equipment	R	Revolving	Excellent	852,900	425,700	127,200	50,000	50,000	50,000	50,000	50,000	50,000	-
WW0319	Wastewater Comprehensive Plan	A	Planning	Poor	86,100	72,800	13,300	-	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	Active	Fair	880,000	24,300	20,000	835,700	-	-	-	-	-	-
WW0220	West 4th Street Capacity Improvement	A	Design	Fair	1,654,000	83,100	1,570,900	-	-	-	-	-	-	-
WW0121	Facility Assessment	A	Planning	Fair	10,000	-	10,000	-	-	-	-	-	-	-
WW0520	Sanitary Force Main Relocate (Lees Creek)	A	Design	Fair	264,000	-	-	100,000	164,000	-	-	-	-	-
WW0420	WWTP Potable Water Air-Gap	A	Planning	Fair	198,200	-	198,200	-	-	-	-	-	-	-
WW0122	Anaerobic Digester Roof Improvements	1	Planning	Fair	4,657,500	-	252,300	-	128,300	228,300	2,024,300	2,024,300	-	-
WW0419	WWTP HVAC Replacement	2	Planning	Poor	251,700	12,800	40,900	198,000	-	-	-	-	-	-
WW0320	WWTP Septic Truck Pad Repair	3	Planning	Poor	147,400	-	22,000	125,400	-	-	-	-	-	-
WW0222	"A" Street Improvements	4	Planning	Fair	5,774,600	-	-	-	-	-	-	85,900	257,500	5,431,200
WW0516	WWTP Boiler Replacement	5	Planning	Fair	164,500	-	-	-	-	56,100	108,400	-	-	-
WW0415	Pump Station #5 Rehabilitation	UF	Unfunded	Poor	100,000	-	-	-	-	-	-	-	-	100,000
WW0915	Pump Station #6 Improvements	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
WW0110	Aeration Blower Replacement	UF	Unfunded	Poor	665,500	-	-	-	-	-	-	-	-	665,500
WW0217	Ennis Creek Force Main Removal	UF	Unfunded	Poor	272,300	-	-	-	-	-	-	-	-	272,300
WW0608	Waste Activated Sludge Thickening WWTP	UF	Unfunded	Poor	1,815,000	-	-	-	-	-	-	-	-	1,815,000
WW1115	1st & 2nd Streets Alley Sewer Separation	UF	Unfunded	Poor	145,200	-	-	-	-	-	-	-	-	145,200
WW1315	Pine Hill Sewer Separation	UF	Unfunded	Poor	332,800	-	-	-	-	-	-	-	-	332,800
WW0119	Biosolid Pyrolysis	UF	Unfunded	Poor	4,840,000	-	-	-	-	-	-	-	-	4,840,000
WW0518	Francis Street Sewer Trestle Repair	UF	Unfunded	Poor	60,500	-	-	-	-	-	-	-	-	60,500
WW0221	Pump Station #17 Improvements	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
WW0322	Gravity Thickener Rehabilitation	UF	Unfunded	Poor	1,282,600	-	-	-	-	-	-	-	-	1,282,600
WW0422	Headworks Improvements	UF	Unfunded	Poor	379,500	-	-	-	-	-	-	-	-	379,500
WW0522	Pump Station #15 & #16 Improvements	UF	Unfunded	Poor	80,000	-	-	-	-	-	-	-	-	80,000
WW0622	Pump Station #10 Improvements	UF	Unfunded	Poor	1,458,600	-	-	-	-	-	-	-	-	1,458,600
WW0722	Pump Station #8 Improvements	UF	Unfunded	Poor	859,100	-	-	-	-	-	-	-	-	859,100
WW0822	Gravity Thickener Redundancy	UF	Unfunded	Poor	2,912,800	-	-	-	-	-	-	-	-	2,912,800
WW0922	Access Road & Septage Receiving Improvements	UF	Unfunded	Poor	829,400	-	-	-	-	-	-	-	-	829,400
WW1022	Nutrient Reduction Sidestream Treatment Upgrades	UF	Unfunded	Poor	6,262,300	-	-	-	-	-	-	-	-	6,262,300
WW0123	Front/Georgiana Capacity Improvement	UF	Unfunded	Poor	3,800,000	-	-	-	-	-	-	-	-	3,800,000
WW0223	New Sewer Washington Street (Park to 8th)	UF	Unfunded	Poor	2,000,000	-	-	-	-	-	-	-	-	2,000,000
WW0323	Decant Facility Equipment	UF	Unfunded	Good	70,000	-	-	-	-	-	-	-	-	70,000
WW0423	WWTP Knife Gate Valve Installations	UF	Unfunded	Poor	75,000	-	-	-	-	-	-	-	-	75,000
WW0523	WWTP UST Tank Replacement	UF	Unfunded	Poor	220,000	-	-	-	-	-	-	-	-	220,000
COMBINED SEWER OVERFLOW														
WW0120	Pump Station #3 Force Main Replacement	A	Design	Fair	5,135,000	193,000	4,942,000	-	-	-	-	-	-	-
WW1122	2022 Neighborhood Sewer Rehabilitation	A	Planning	Poor	213,400	173,400	40,000	-	-	-	-	-	-	-
WW0117	Francis Street Pigging Bypass	1	Planning	Good	228,000	-	-	-	228,000	-	-	-	-	-
WW0316	CSO 6 and 7 Reconstruction	2	Planning	Fair	243,400	43,400	15,000	-	185,000	-	-	-	-	-
WW0918	2025 Neighborhood Sewer Rehabilitation	3	Planning	Poor	750,000	-	-	-	600,000	-	-	-	-	-
WW1018	2026 Neighborhood Sewer Rehabilitation	4	Planning	Poor	750,000	-	-	-	-	600,000	-	-	-	-
WW0715	Oak Street Sewer Separation	5	Planning	Fair	318,000	-	-	-	-	-	-	28,000	290,000	-
WW0815	Laurel Street Sewer Separation	6	Planning	Fair	318,000	-	-	-	-	-	28,000	290,000	-	-
WW1118	2027 Neighborhood Sewer Rehabilitation	7	Planning	Poor	750,000	-	-	-	-	-	600,000	-	-	-
WW1222	2028 Neighborhood Sewer Rehabilitation	8	Planning	Poor	750,000	-	-	-	-	-	-	600,000	-	-
WW0123	2029 Neighborhood Sewer Rehabilitation	9	Planning	Poor	750,000	-	-	-	-	-	-	-	600,000	-
	TOTALS				**53,607,300**	**1,028,500**	**7,251,800**	**1,309,100**	**1,355,300**	**934,400**	**2,810,700**	**3,078,200**	**1,197,500**	**33,891,800**

SOLID WASTE PROJECTS Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
SOLID WASTE														
SW0112	Decant Facility at Transfer Station	A	Design	Poor	1,040,400	160,800	110,000	769,600	-	-	-	-	-	-
SW0221	Facility Assessment	A	Planning	Fair	10,000	-	10,000	-	-	-	-	-	-	-
SW0120	Landfill Pump Station 17 Repair	1	Planning	Fair	336,000	-	-	336,000	-	-	-	-	-	-
SW0121	Landfill Access Road Repair	2	Planning	Poor	635,700	-	-	635,700	-	-	-	-	-	-
SW0122	Landfill Automated Facility Gate	3	Planning	Poor	110,000	-	110,000	-	-	-	-	-	-	-
SW0323	Long Haul Truck Tarping Station	4	Planning	Poor	200,000	-	-	-	200,000	-	-	-	-	-
SW0321	Landfill Access Road Repair - Phase 2	5	Planning	Poor	800,000	-	-	-	-	400,000	400,000	-	-	-
SW0218	Landfill Security Fencing	UF	Unfunded	Poor	220,000	-	-	-	-	-	-	-	-	220,000
SW0123	Recycle Processing Center	UF	Unfunded	Poor	750,000	-	-	-	-	-	-	-	-	750,000
SW0223	Landfill Cover System Repairs	UF	Unfunded	Poor	150,000	-	-	-	-	-	-	-	-	150,000
SW0423	MRWF Building Conversion - Office Space	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
SW0523	Decant Facility Equipment	UF	Unfunded	Good	70,000	-	-	-	-	-	-	-	-	70,000
	TOTALS				**4,322,100**	**160,800**	**230,000**	**1,741,300**	**200,000**	**400,000**	**400,000**	**-**	**-**	**1,190,000**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

STORMWATER PROJECTS Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
STORMWATER														
DR0213	H Street Stormwater Outfall	A	Design	Poor	817,500	4,500	102,000	711,000	-	-	-	-	-	-
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	Design	Fair	1,109,400	24,400	20,000	1,053,200	-	-	-	-	-	-
DR0804	Lincoln Park/Big Boy Pond Study	1	Planning	Fair	138,000	-	110,000	28,000	-	-	-	-	-	-
DR0322	Park Ave. Outfall to Peabody Creek	2	Design	Poor	495,000	-	198,000	297,000	-	-	-	-	-	-
DR0121	Facility Assessment	3	Planning	Fair	10,000	-	10,000	-	-	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	4	Planning	Fair	4,180,000	7,900	-	322,100	1,606,000	-	-	-	-	2,244,000
DR0215	Francis Street Outfall Repair	5	Design	Poor	100,000	-	40,000	60,000	-	-	-	-	-	-
DR0304	Stormwater at Laurel Street & US 101	6	Planning	Poor	2,167,000	-	-	-	-	47,000	110,000	-	2,010,000	-
DR0115	Liberty Street Stormwater Improvement	7	Planning	Fair	2,977,000	-	-	-	-	-	-	272,000	-	2,705,000
DR0122	18th St. Culvert & Outfall Improvement	8	Pre-planning	Fair	803,000	-	-	-	-	-	-	-	161,000	642,000
DR0117	Peabody Street Water Quality Project	9	Planning	Fair	798,000	-	-	-	-	-	-	28,000	770,000	-
DR0222	Chase Street Stormwater Improvements	10	Pre-planning	Fair	198,000	-	-	-	-	-	-	-	198,000	-
DR0123	Land Acquisition	R	Revolving	Poor	1,000,000	-	-	-	-	500,000	-	500,000	-	-
DR0223	Decant Facility Equipment	UF	UnFunded	Poor	70,000	-	-	-	-	-	-	-	-	70,000
DR0219	Outfall to Creek Improvement Program	UF	UnFunded	Poor	183,000	-	-	-	-	-	-	-	-	183,000
DR0112	Valley Creek Culvert & Outfall	UF	UnFunded	Poor	1,022,000	-	-	-	-	-	-	-	-	1,022,000
TOTALS					**16,067,900**	**36,800**	**480,000**	**2,471,300**	**1,606,000**	**547,000**	**110,000**	**800,000**	**3,139,000**	**6,866,000**

DEPARTMENT	TOTAL PROJECT	10 Year	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
EQUIPMENT SERVICES									
Finance	125,600	12,600	39,900	40,700	-	-	-	-	45,000
Community Development	87,300	8,700	-	-	-	-	43,200	44,100	-
Police	2,912,100	291,200	401,400	-	254,700	259,800	264,900	270,300	295,700
Fire & Medic 1	7,661,700	766,200	1,032,200	230,000	-	-	46,100	-	-
Parks & Recreation	2,581,678	258,200	182,900	50,000	117,700	198,000	472,100	99,500	102,800
Engineering	133,600	13,400	-	88,600	45,000	-	-	-	-
Light Operations	3,686,295	368,600	438,900	68,200	158,200	28,400	99,200	-	130,500
Water	2,111,450	211,100	170,900	53,400	-	319,700	507,900	-	98,500
Wastewater	2,170,500	217,100	109,000	-	248,000	-	58,400	34,800	-
Solid Waste	7,434,214	743,400	477,900	386,900	379,400	431,600	444,500	-	511,400
Stormwater	1,763,800	176,400	384,500	310,000	260,300	94,000	350,000	-	-
Conservation	46,400	4,600	-	-	-	46,400	-	-	-
Equipment Services	1,556,117	155,600	241,400	102,800	240,000	427,400	-	-	36,300
Information Technology	43,100	4,300	-	-	-	-	-	-	-
Streets	3,740,187	374,000	255,300	339,000	153,100	222,600	104,500	101,700	20,000
TOTALS	**36,054,041**	**3,605,404**	**3,734,300**	**1,669,600**	**1,856,400**	**2,027,900**	**2,390,800**	**550,400**	**1,240,200**

		PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
INFORMATION SERVICES														
IT0714	Data Backup Systems Replacement	R	Revolving	Poor	632,200	212,200	210,000	-	-	-	-	210,000	-	-
IT0514	Data Storage Array Systems	R	Revolving	Poor	300,000	-	150,000	-	-	-	-	-	150,000	-
IT0319	Network Refresh	R	Revolving	Poor	280,000	-	-	-	-	280,000	-	-	-	-
IT0618	Virtual Server Replacements	R	Planning	Poor	600,000	-	150,000	-	150,000	-	150,000	-	150,000	-
IT1018	UPS Replacement - Disaster Recovery Data Center	A	Planning	Poor	60,000	-	60,000	-	-	-	-	-	-	-
IT0214	Records Management System	A	Active	Poor	104,100	14,100	30,000	-	30,000	-	30,000	-	-	-
IT0416	Cemetery Software	A	Active	Poor	30,000	-	30,000	-	-	-	-	-	-	-
IT0119	Wireless Bridge	A	Active	Poor	60,000	24,000	36,000	-	-	-	-	-	-	-
IT0716	ERP Road Map & Replacement	A	Planning	Poor	2,454,900	74,500	2,380,400	-	-	-	-	-	-	-
IT0320	ESRI Migration to Arc Pro	A	Planning	Poor	100,000	-	100,000	-	-	-	-	-	-	-
IT0123	Intrusion Detection and Prevention	1	Planning	Fair	200,000	-	-	200,000	-	-	-	-	-	-
IT0223	Increase Primary Backup Storage	2	Planning	Good	140,000	-	-	-	-	-	-	140,000	-	-
IT0323	SCADA Server Replacements	3	Planning	Fair	150,000	-	-	-	-	150,000	-	-	-	-
IT0423	Building Access Control and Cameras	UF	Active	Poor	1,200,000	-	-	-	-	-	-	-	-	1,200,000
IT0523	City Owned Fiber Optics	UF	Unfunded	Poor	1,500,000	-	-	-	-	-	-	-	-	1,500,000
TOTALS					**7,811,200**	**324,800**	**3,146,400**	**200,000**	**180,000**	**430,000**	**180,000**	**350,000**	**300,000**	**2,700,000**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

	TRANSPORTATION PROJECTS Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029	UNFUNDED
	TRANSPORTATION BENEFIT DISTRICT PROJECTS														
x	TR1118	Revolving Street Improvements	R	Revolving	Poor	314,500	14,500	120,000	30,000	30,000	30,000	30,000	30,000	30,000	-
	TR0414	Peabody Creek/Lincoln Street Culvert Repair *	A	Design	Poor	4,111,200	96,700	350,300	175,600	-	3,485,000	-	-	-	-
	TR0121	Pavement Management Plan	A	Planning	Fair	200,000	-	200,000	-	-	-	-	-	-	-
	TR0115	N Street Chip Seal (5th to 18th Streets)	A	Design	Fair	550,000	-	550,000	-	-	-	-	-	-	-
	TR0518	I Street Chip Seal (5th to 16th Streets)	A	Design	Poor	500,000	-	500,000	-	-	-	-	-	-	-
	TR0316	8th Street Chip Seal (A to I Streets)	A	Design	Fair	450,000	-	450,000	-	-	-	-	-	-	-
	TR0119	8th Street Paving (Lincoln to A Streets) *	1	Design	Fair	1,944,400	-	30,000	1,914,400	-	-	-	-	-	-
	TR1799	Truck Route at Hwy 101 Intersection *	2	Pre-Planning	Fair	3,275,000	5,800	119,200	500,000	900,000	1,750,000	-	-	-	-
	TR0420	2023 Pavement Preservation	3	Planning	Fair	400,000	-	400,000	-	-	-	-	-	-	-
	TR0716	ADA - Peabody Street *	4	Planning	Poor	370,000	-	20,000	350,000	-	-	-	-	-	-
	TR0618	Stevens Middle School Walking Routes *	5	Planning	Fair	930,000	-	-	15,000	115,000	800,000	-	-	-	-
	TR0117	Liberty Street Reconstruction	6	Planning	Poor	575,000	-	-	15,000	560,000	-	-	-	-	-
	TR0221	Marine Dr Paving (Valley to Hill Street) *	7	Planning	Fair	1,920,000	-	-	-	120,000	1,800,000	-	-	-	-
	TR0417	Ennis Street Pavement Repair	8	Planning	Fair	120,000	-	-	120,000	-	-	-	-	-	-
	TR0419	Lauridsen Blvd Reconstuction (L St to City Limits) *	9	Planning	Poor	1,344,000	-	-	-	144,000	1,200,000	-	-	-	-
	TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	10	Planning	Fair	700,000	-	-	-	36,000	664,000	-	-	-	-
	TR1416	Hamilton School Walking Routes *	11	Planning	Poor	1,735,000	15,000	-	-	220,000	-	1,500,000	-	-	-
	TR0620	2026 Pavement Preservation	12	Planning	Fair	400,000	-	-	-	-	400,000	-	-	-	-
	TR0818	Railroad Ave Overlay	13	Planning	Poor	455,000	-	-	-	-	-	65,000	390,000	-	-
	TR0122	First/Front Paving (Lincoln to Tumwater Street) *	14	Planning	Fair	1,500,000	-	-	-	-	100,000	1,400,000	-	-	-
	TR0219	5th Street Chip Seal ("A" to "M" Streets)	15	Planning	Fair	585,000	-	-	-	-	-	585,000	-	-	-
	TR0720	18th Street Chip Seal	16	Planning	Fair	390,000	-	-	-	-	-	390,000	-	-	-
	TR0520	2028 Pavement Preservation	17	Planning	Fair	520,000	-	-	-	-	-	-	520,000	-	-
	TR0223	2029 Pavement Preservation	18	Pre-Planning	Fair	500,000	-	-	-	-	-	-	25,000	475,000	-
	TR0816	ADA - Cherry Street	19	Pre-Planning	Fair	425,000	-	-	-	-	-	-	25,000	400,000	-
	TR0323	Lincoln Street Safety (8th to Lauridsen)*	20	Unfunded	Poor	3,300,000	-	-	-	-	-	-	300,000	3,000,000	-
	TR0499	Laurel St/Ahlvers Road Overlay	UF	Unfunded	Poor	950,000	-	-	-	-	-	-	-	-	950,000
	TR1015	Cherry Street Area Chip Seal	UF	Unfunded	Poor	950,000	-	-	-	-	-	-	-	-	950,000
	TR0916	ADA - Oak & Laurel Streets	UF	Unfunded	Poor	400,000	-	-	-	-	-	-	-	-	400,000
	TR1899	Lincoln, Laurel and Lauridsen Intersection	UF	Unfunded	Poor	2,100,500	100,500	-	-	-	-	-	-	-	2,000,000
	TR0104	2nd & Valley Streets Pavement	UF	Unfunded	Poor	750,000	-	-	-	-	-	-	-	-	750,000
	TR0308	O Street Improvements	UF	Unfunded	Poor	2,000,000	-	-	-	-	-	-	-	-	2,000,000
	TR0599	Hill Street Intersection Reconstuction	UF	Unfunded	Poor	685,000	-	-	-	-	-	-	-	-	685,000
	TR0317	Chase Street Vicinity Chip Seal	UF	Unfunded	Poor	420,000	-	-	-	-	-	-	-	-	420,000
	TR0123	Sidewalk for Ennis Street Improvements	UF	Unfunded	Poor	225,000	-	-	-	-	-	-	-	-	225,000
	TRANSPORTATION PROJECTS														
x	TR0405	Alley Paving Revolving Funding	R	Revolving	Poor	2,005,000	100	1,154,900	-	10,000	440,000	-	400,000	-	-
	TR1120	Complete Streets Revolving Fund	R	Revolving	Poor	700,000	-	-	300,000	-	200,000	-	200,000	-	-
	TR0621	Waterfront Trail Repairs	R	Revolving	Poor	707,800	188,800	120,400	100,000	93,800	30,000	30,000	30,000	30,000	-
	TR0114	Hill Street - Olympic Discovery Trail *	A	Active	Fair	3,941,000	220,100	6,900	-	-	-	-	-	-	3,714,000
	TR0209	Race Street Complete Design & Construction Phase I *	A	Active	Fair	5,251,800	643,100	4,608,700	-	-	-	-	-	-	-
	TR0918	Downtown Tree/Sidewalk Replacement Phase III	A	Planning	Poor	500,000	-	500,000	-	-	-	-	-	-	-
	TR0101	Laurel Street Stairs Replacement	A	Design	Poor	839,300	4,300	100,000	731,000	-	-	-	-	-	-
	TR0120	Signal Controller Upgrades 1st/Front *	A	Design	Fair	1,771,700	103,500	1,564,700	-	-	-	-	-	-	-
	TR1215	City Hall East Parking Lot LID *	A	Design	Fair	1,350,400	128,000	1,205,000	-	-	-	-	-	-	-
	TR0321	Speed Feedback Sign Program	A	Revolving	Fair	90,000	-	30,000	-	30,000	-	30,000	-	-	-
	TR0222	First/Front Pedestrian Enhancements *	A	Pre-Planning	Fair	1,280,000	-	220,000	-	1,060,000	-	-	-	-	-
	TR1399	Traffic Signal Interconnect/Preemption	1	Planning	Fair	886,700	26,700	333,300	300,000	100,000	100,000	-	-	-	-
	TR0318	8th/10th Street Bike Lanes *	2	Planning	Fair	1,989,000	-	-	200,000	1,789,000	-	-	-	-	-
	TR1020	N Street Solar Speed Display	3	Planning	Poor	30,000	-	30,000	-	-	-	-	-	-	-
	TR0416	1St/2nd/Valley/Oak Green Alley *	4	Planning	Poor	581,900	22,200	9,700	550,000	-	-	-	-	-	-
	TR0919	Traffic Safety Camera Program	5	Planning	Fair	35,000	-	-	35,000	-	-	-	-	-	-
	TR0821	Facility Assessment	6	Planning	Fair	10,000	-	10,000	-	-	-	-	-	-	-
	TR0715	16th Street LID (C to L Streets) *	7	Design	Fair	2,000,100	146,600	30,400	90,000	1,641,000	-	-	-	-	-
	TR1116	School Area Speed Signs (Near Franklin)	8	Planning	Fair	50,000	-	-	50,000	-	-	-	-	-	-
	TR0322	Intersection Control Study	9	Planning	Fair	50,000	-	-	50,000	-	-	-	-	-	-
	TR0220	Traffic Circle Program *	10	Planning	Fair	1,700,000	-	-	-	200,000	-	1,500,000	-	-	-
	TR0909	Wayfinding & ODT Signage	11	Active	Poor	400,000	40,600	-	159,400	-	-	-	-	-	200,000
	TR0421	Valley Street Culvert Crossing *	12	Pre-Planning	Fair	1,550,000	-	-	-	50,000	100,000	-	1,400,000	-	-
	TR0920	Lauridsen Blvd Flashing Beacons	13	Planning	Fair	40,000	-	-	-	40,000	-	-	-	-	-
	TR1109	Marine Drive Bulkhead Repairs	14	Pre-Planning	Fair	3,000,000	-	-	50,000	-	-	-	-	-	2,950,000
	TR0423	Signal Controller Upgrades 1st/Front Phase II*	15	Design	Fair	3,000,000	-	-	-	3,000,000	-	-	-	-	-
	TR0619	Race Street Complete Construction Phase II*	16	Design	Fair	6,120,000	-	250,000	600,000	3,270,000	-	-	-	-	2,000,000
	TR0819	Sidewalks for Mt Angeles Rd & Porter St*	17	Pre-Planning	Poor	3,000,000	-	-	-	-	-	-	3,000,000	-	-
	TR0113	Waterfront Redevelopment Phase III	UF	Unfunded	Poor	20,000,000	-	-	-	-	-	-	-	-	20,000,000
	TR1016	18th Street Bike Accessibility	UF	Unfunded	Poor	1,000,000	-	-	-	-	-	-	-	-	1,000,000
	TR0212	Caroline Street Slide Repair	UF	Unfunded	Poor	375,000	-	-	-	-	-	-	-	-	375,000
	TR1009	1st, Front & Race Street Crossings	UF	Unfunded	Poor	423,000	-	-	-	-	-	-	-	-	423,000
	TR0516	Nancy Lane Pavement	UF	Unfunded	Poor	200,000	-	-	-	-	-	-	-	-	200,000
	TR0506	Valley Creek Trail Loop	UF	Unfunded	Poor	100,000	-	-	-	-	-	-	-	-	100,000
	TR0208	Alternate Cross-Town Route Study	UF	Unfunded	Poor	220,000	-	-	-	-	-	-	-	-	220,000
	TR1316	Traffic Control	UF	Unfunded	Poor	300,000	-	-	-	-	-	-	-	-	300,000
	TR1018	Zig Zag at Oak Street	UF	Unfunded	Poor	600,000	-	-	-	-	-	-	-	-	600,000
	TR0719	First & Front Street Decoupling	UF	Unfunded	Fair	-	-	-	-	-	-	-	-	-	Unknown
	TR0521	"I" to "M" Paving and Sidewalk LID	UF	Unfunded	Fair	2,000,000	-	-	-	-	-	-	-	-	2,000,000
	TR0721	Gales Addition Connector Planning	UF	Unfunded	Fair	-	-	-	-	-	-	-	-	-	Unknown
	TOTALS					104,092,300	1,756,500	12,913,500	6,335,400	13,408,800	11,099,000	5,530,000	6,320,000	3,935,000	42,462,000

*These projects are anticipated to be grant funded and if funding is not obtained they will not be done.

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

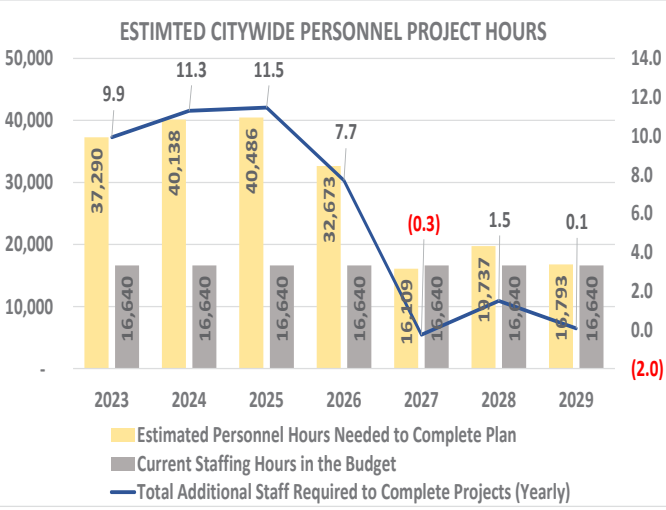
CITYWIDE PERSONNEL COSTS

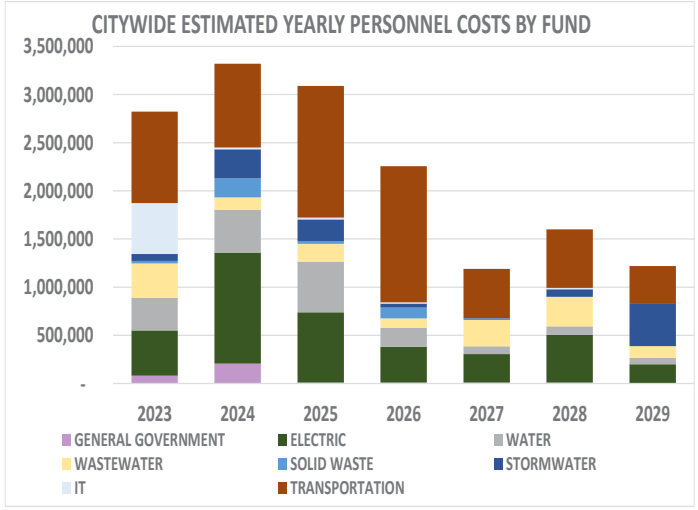
ESTIMATED PERSONNEL HOURS FOR PROJECT COMPLETION	2023	2024	2025	2026	2027	2028	2029
GENERAL GOVERNMENT	1,613	3,115	173	173	173	183	73
ELECTRIC	4,461	7,946	5,479	4,316	2,808	3,307	1,591
WATER	5,004	6,626	7,829	2,912	1,174	1,318	972
WASTEWATER	5,310	1,918	2,756	1,473	4,130	4,567	1,821
SOLID WASTE	379	2,923	416	1,664	-	-	-
STORMWATER	1,087	4,492	3,326	633	229	1,164	6,641
IT	5,287	173	200	153	20	146	-
TRANSPORTATION	14,149	12,945	20,306	21,349	7,575	9,051	5,695
TOTAL PLANNED PROJECT HOURS	**37,290**	**40,138**	**40,486**	**32,673**	**16,109**	**19,737**	**16,793**

ESTIMATED PERSONNEL COSTS FOR PROJECT COMPLETION	2023	2024	2025	2026	2027	2028	2029
GENERAL GOVERNMENT	81,326	206,661	8,666	8,666	8,666	9,331	3,666
ELECTRIC	470,420	1,151,594	729,739	372,090	297,236	494,436	195,866
WATER	336,748	445,958	526,991	196,000	79,027	88,704	65,450
WASTEWATER	357,476	129,043	185,550	99,160	278,026	307,463	122,617
SOLID WASTE	25,480	196,766	28,000	112,000	-	-	-
STORMWATER	73,146	302,311	223,923	42,630	15,400	78,325	447,025
IT	528,667	17,334	20,000	12,333	2,000	15,666	-
TRANSPORTATION	950,002	870,124	1,366,838	1,413,967	509,865	607,179	385,439
TOTAL PLANNED PERSONNEL COSTS	**2,823,265**	**3,319,790**	**3,089,707**	**2,256,846**	**1,190,220**	**1,601,105**	**1,220,063**

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	37,290	40,138	40,486	32,673	16,109	19,737	16,793
Current Staffing Hours in the Budget	16,640	16,640	16,640	16,640	16,640	16,640	16,640
Difference	*20,650*	*23,498*	*23,846*	*16,033*	*(531)*	*3,097*	*153*
Total Additional Staff Required to Complete Projects (Yearly)	**9.9**	**11.3**	**11.5**	**7.7**	**(0.3)**	**1.5**	**0.1**

The current capital plan would require an average of 6.0 additional FTE's to complete; however, in years when large projects are included additional staffing will be required for completion.





CURRENT 2024 - 2029 CAPITAL FACILITIES PLAN COMPARED TO PRIOR 2023 - 2028 CAPITAL FACILITIES PLAN

GENERAL GOVERNMENT CAPITAL PROJECTS Number	Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
GENERAL GOVERNMENT/FACILITIES								
GG0303	NICE Funds	R	R	787,100	787,100	75,000	-	-
GG1113	Facility Security Projects	A	A	256,000	526,000	288,600	288,600	-
GG0121	Broadband Improvement Feasibility Study	2	9	50,000	50,000	50,000	50,000	-
GG0119	Ennis Creek Fish Barrier Removal	4	10	1,200,000	1,400,000	-	(300,000)	255,000
GG0416	City Hall Fire Detection System	5	3	75,000	150,000	-	-	-
GG0516	Senior Center Fire Detection System	6	2	50,000	125,000	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	UF	2,110,900	2,110,900	-	-	-
PUBLIC SAFETY								
FD0415	Fire Department Turn-Out Gear	R	R	320,600	320,600	-	-	25,000
FD0615	Fire Hoses	R	R	52,400	91,500	14,000	9,000	-
FD0218	Self Contained Breathing Apparatus	R	R	250,000	250,000	-	-	-
CAPPC	Pencom Capital	R	R	601,500	601,500	50,000	-	-
PD0307	Police Regional Training & Gun Range Facility	R	R	248,700	265,000	59,900	27,900	-
PD0116	Mobile Data Terminal Replacements	R	R	246,400	288,300	39,600	23,600	-
PD0120	Police Taser Replacements	A	A	136,600	256,600	25,200	(8,000)	-
PD0121	EOC/911 Dispatch (PenCom center)	A	A	6,500,000	7,000,000	6,883,100	3,383,100	3,500,000
FD0318	Emergency Management Pods	1	A	150,000	158,000	137,800	87,800	-
FD0315	Fire Station Garage Door Replacement	3	6	50,000	450,000	-	-	-
PD0122	Police Radio Replacement	7	R	120,000	140,000	20,000	-	-
PD0123	PenCom ROIP Project	New	1	0	450,000	-	-	-
PD0223	Police Body Worn Cameras	New	R	0	260,000	-	-	40,000
FD0121	Westside Fire Station	UF	UF	3,000,000	3,000,000	-	-	-
FD0120	Fire Station Front Driveway Repair	UF	UF	30,000	130,000	-	-	-
FD0216	Fire Training Facility	UF	UF	80,000	1,200,000	-	-	-
FD0316	Senior Center EOC Generator (Secondary City EOC)	UF	UF	150,000	150,000	-	-	-
FD0416	Radio Transmitter Generator (I & 10th Streets)	UF	UF	15,000	25,000	-	-	-
FD0123	SCBA Refill Compressor System	New	UF	New	103,000	-	-	-
PARKS AND RECREATION								
PK0216	Facility Improvement Revolving Fund	R	R	136,500	145,000	25,100	10,100	-
PK0205	Restroom Replacement Program	R	R	1,500,000	1,740,000	112,200	(37,800)	-
PK0418	Civic Field Upgrades	R	R	136,200	224,200	22,000	22,000	-
PK0819	City Pier Railing Replacement	A	A	565,000	755,000	724,200	724,200	-
PK0220	Synthetic Field Turf at Volunteer Field	A	A	1,200,000	750,000	714,000	714,000	1,000,000
PK0719	Parks Maintenance Building	A	A	706,500	706,500	532,100	-	-
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	A	A	400,000	400,000	354,600	354,600	-
PK0316	Locomotive #4 Refurbishment	UF	A	100,000	130,000	50,000	50,000	-
PK0320	HVAC Upgrades at City Facilities	UF	4	1,750,000	2,150,000	150,000	150,000	2,000,000
PK0122	Erickson Playfield Tennis Court Improvement	UF	7	200,000	220,000	220,000	220,000	-
PK0222	OVC Columbarium Expansion	UF	5	50,000	50,000	-	-	-
PK0123	Elks Pickleball Court Improvements	New	8	New	30,000	30,000	30,000	-
PK0223	Aluminum Bleacher Upgrades	New	UF	New	100,000	-	-	-
PK0323	Senior Center Front Door Replacement	New	UF	New	45,000	-	-	-
PK0319	City Pier Inspection Repairs	UF	UF	1,000,000	1,000,000	-	-	-
PK0406	Shane & Elks Field Lighting	UF	UF	1,000,000	1,000,000	-	-	-
PK0420	Ediz Hook Boat Launch Repairs	UF	UF	750,000	1,500,000	-	-	-
PK0802	Neighborhood Park Development	UF	UF	250,000	-	-	-	-
TOTALS				**26,224,400**	**31,234,200**	**10,577,400**	**5,799,100**	**6,820,000**

MEDIC 1 PROJECTS Number	Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
MEDIC 1								
CAPM1	Medic 1 Equipment	R	R	353,900	369,800	-	-	-
FD0118	Defibrillator Equipment	R	R	221,000	258,000	-	-	-
TOTALS				**574,900**	**627,800**	**-**	**-**	**-**

Number	ELECTRIC PROJECTS Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
ELECTRIC								
CLCAP	Maintenance Capital Contribution	R	R	1,180,800	1,277,500	150,000	-	-
CL0414	Construct New Light Ops Building	A	A	6,399,900	10,099,900	1,500,000	(2,969,900)	-
CL0217	I Street Substation Switchgear Replacement	A	A	500,000	385,400	370,000	370,000	-
CL0420	College Street Load Tap Changer Replacement	1	1	200,000	200,000	200,000	-	-
CL0117	Washington Street Substation Switchgear	2	2	500,000	500,000	20,000	(480,000)	-
CL0222	Advanced Metering & Outage Management	UF	3	5,000,000	3,000,000	-	-	-
CL0216	City/PUD Service Area Capital Needs	3	4	400,000	200,000	200,000	-	-
CL0819	Overhead Reconductoring - 2023	4	5	250,000	250,000	250,000	-	-
CL0619	Underground Cable Replacement - 2023	5	6	250,000	250,000	250,000	-	-
CL0123	Overhead Reconductoring - 2024	New	7	New	150,000	-	-	-
CL0719	Underground Cable Replacement - 2024	6	8	250,000	100,000	-	-	-
CL0223	Overhead Reconductoring - 2025	New	9	New	250,000	-	-	-
CL1019	Underground Cable Replacement - 2025	7	10	250,000	100,000	-	-	-
CL0323	Overhead Reconductoring - 2026	New	11	New	250,000	-	-	-
CL0221	Underground Cable Replacement - 2026	8	12	250,000	100,000	-	-	-
CL0320	F Street Load Tap Changer Replacement	9	13	200,000	200,000	-	-	-
CL0120	F Street Transformer Replacement	10	14	1,200,000	2,000,000	-	-	-
CL0816	College Street Substation Switchgear	UF	15	500,000	500,000	-	-	-
CL0121	Overhead Reconductoring - 2027	11	16	250,000	250,000	-	-	-
CL0321	Underground Cable Replacement - 2027	12	17	250,000	250,000	-	-	-
CL0122	Underground Cable Replacement - 2028	13	18	250,000	250,000	-	-	-
CL0523	Underground Cable Replacement - 2029	New	19	New	250,000	-	-	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	UF	20	350,000	350,000	-	-	-
CL0520	Substation Seismic Bracing	UF	21	500,000	500,000	-	-	-
CL0423	Overhead Reconductoring - 2029	New	22	New	150,000	-	-	-
CL0322	Electric Vehicle Charging Station - Fast Chargers	UF	UF	500,000	500,000	-		-
	TOTALS			**19,430,700**	**22,312,800**	**2,940,000**	**(3,079,900)**	**-**

Number	WATER PROJECTS Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
WATER								
CAPWT	General Water Equipment	R	R	529,300	579,300	137,400	87,400	-
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	A	800,000	880,000	20,000	(757,400)	-
WT0218	Reservoir Instrumentation Upgrades	A	A	270,000	290,000	280,400	280,400	-
WT0321	Facility Assessment	A	A	9,000	10,000	10,000	10,000	-
WT0221	Race Street Water Main Replacement South	A	A	694,800	1,284,800	1,225,400	1,225,400	-
WT0420	Ennis Creek Water Main Relocate	A	A	220,000	264,000	-	-	-
WT0619	Peabody Reservoir Inlet Pipe Replacement	1	1	374,000	441,400	81,400	81,400	-
WT0519	Water Treatment Plant Repairs	2	2	198,000	300,000	300,000	300,000	-
WT0421	Race Street Water Main Replacement North	3	3	125,000	1,700,000	-	(125,000)	-
WT0319	Ground Water Resiliency Program	4	4	1,275,000	1,600,000	-	(275,000)	-
WT0121	White Creek & 3rd Street Main Crossing	5	5	520,000	720,000	120,000	120,000	-
WT0320	Morse Creek Transmission Main Eval/Design	6	6	440,000	440,000	440,000	-	-
WT0612	3rd & Vine Street Main	7	7	403,200	564,500	-	(403,200)	-
WT0219	Peabody Heights Floating Cover Replacement	8	8	460,000	506,000	-	-	-
WT0111	Liberty Street Water Main	9	9	556,200	610,300	-	-	-
WT0412	West 4th Street Water Main	10	10	1,800,000	1,800,000	-	-	-
WT0512	East 4th Street Water Main	11	11	576,000	633,600	-	-	-
WT0212	East 6th Street Water Main	12	12	425,000	467,500	-	-	-
WT0123	11th Street ROW Tumwater Creek Crossing	New	13	New	60,000	60,000	60,000	-
WT0223	14th Street ROW Tumwater Creek Crossing	New	14	New	60,000	60,000	60,000	-
WT0120	Water System SCADA Upgrade	UF	UF	715,000	786,500	-	-	-
WT0717	Race/Caroline Street Fire Flow	UF	UF	737,000	810,700	-	-	-
WT0112	10th Street Water Main	UF	UF	995,500	1,095,100	-	-	-
WT0116	Marine Drive Main Replacement Phase II	UF	UF	1,650,000	1,815,000	-	-	-
WT0117	Mill Creek Reservoir Expansion	UF	UF	3,740,000	4,114,000	-	-	-
WT0119	McDougal Pressure Subzone	UF	UF	770,000	847,000	-	-	-
WT0214	Transmission Main East of Golf Course Road	UF	UF	2,502,500	2,752,800	-	-	-
WT0217	Airport/Edgewood Drive Water Main Extension	UF	UF	5,500,000	6,050,000	-	-	-
WT0314	Tumwater Truck Route Commercial Fire Flow (LID)	UF	UF	317,900	317,900	-	-	-
WT0317	Scribner Booster Station Upgrade	UF	UF	1,650,000	1,815,000	-	-	-
WT0318	Viewcrest/Laurel Intertie/PRV	UF	UF	220,000	242,000	-	-	-
WT0417	1st/Laurel Street Fire Flow	UF	UF	422,400	464,600	-	-	-
WT0418	10th/11th Alley Water Main Replacement	UF	UF	165,000	181,500	-	-	-
WT0517	6th/Laurel and 5th Street Fire Flow	UF	UF	705,100	775,600	-	-	-
WT0617	Porter Street Zone PRV Improvements	UF	UF	330,000	363,000	-	-	-
WT0817	St Andrews Place Fire Flow Loop	UF	UF	583,000	641,300	-	-	-
WT0917	East First Street Fire Flow	UF	UF	101,200	111,300	-	-	-
WT1017	18th Street Fire Flow	UF	UF	528,600	581,500	-	-	-
WT1117	Lauridsen Blvd/Tumwater Fire Flow	UF	UF	616,000	677,600	-	-	-
WT0323	Decant Facility Equipment	New	UF	New	70,000	-	-	-
WT0423	Advanced Metering Management	New	UF	New	3,000,000	-	-	-
INDUSTRIAL WATER LINE PROJECTS								
WT0122	Elwha - Fish Screen Facility Improvements	1	1	200,000	549,000	349,000	349,000	-
WT0222	Elwha - Effluent Distribution Structure Bypass	2	2	170,000	302,000	302,000	147,000	2,200,000
WT0422	Elwha - Temporary Diversion Pumping Facility/Bulkhead Project	3	3	2,100,000	2,300,000	-	(100,000)	1,500,000
WT0522	Elwha - Facility Surplus	4	4	50,000	50,000	-	-	-
WT0322	Elwha - Surface Water Intake Improvements	UF	UF	2,000,000	2,000,000	-	-	-
	TOTALS			**36,444,700**	**45,924,800**	**3,385,600**	**1,060,000**	**3,700,000**

Number	WASTEWATER PROJECTS Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
WASTEWATER								
CAPWW	General Wastewater Equipment	R	R	802,900	852,900	127,200	77,200	-
WW0319	Wastewater Comprehensive Plan	A	A	300,000	86,100	13,300	13,300	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	A	800,000	880,000	20,000	(757,400)	-
WW0220	West 4th Street Capacity Improvement	A	A	550,000	1,654,000	1,570,900	1,120,900	-
WW0121	Facility Assessment	A	A	9,000	10,000	10,000	10,000	-
WW0520	Sanitary Force Main Relocate (Lees Creek)	A	A	220,000	264,000	-	-	-
WW0420	WWTP Potable Water Air-Gap	2	A	165,000	198,200	198,200	198,200	-
WW0122	Anaerobic Digester Roof Improvements	1	1	4,234,000	4,657,500	252,300	44,800	-
WW0419	WWTP HVAC Replacement	3	2	230,000	251,700	40,900	10,900	-
WW0320	WWTP Septic Truck Pad Repair	4	3	134,000	147,400	22,000	2,000	-
WW0222	"A" Street Improvements	5	4	2,627,000	5,774,600	-	-	-
WW0516	WWTP Boiler Replacement	6	5	149,500	164,500	-	-	-
WW0415	Pump Station #5 Rehabilitation	UF	UF	-	100,000	-	-	-
WW0915	Pump Station #6 Improvements	UF	UF	-	-	-	-	-
WW0110	Aeration Blower Replacement	UF	UF	605,000	665,500	-	-	-
WW0217	Ennis Creek Force Main Removal	UF	UF	247,500	272,300	-	-	-
WW0608	Waste Activated Sludge Thickening WWTP	UF	UF	1,650,000	1,815,000	-	-	-
WW1115	1st & 2nd Streets Alley Sewer Separation	UF	UF	132,000	145,200	-	-	-
WW1315	Pine Hill Sewer Separation	UF	UF	302,500	332,800	-	-	-
WW0119	Biosolid Pyrolysis	UF	UF	4,400,000	4,840,000	-	-	-
WW0518	Francis Street Sewer Trestle Repair	UF	UF	55,000	60,500	-	-	-
WW0221	Pump Station #17 Improvements	UF	UF	-	-	-	-	-
WW0322	Gravity Thickener Rehabilitation	UF	UF	1,166,000	1,282,600	-	-	-
WW0422	Headworks Improvements	UF	UF	345,000	379,500	-	-	-
WW0522	Pump Station #15 & #16 Improvements	UF	UF	145,000	80,000	-	-	-
WW0622	Pump Station #10 Improvements	UF	UF	1,326,000	1,458,600	-	-	-
WW0722	Pump Station #8 Improvements	UF	UF	781,000	859,100	-	-	-
WW0822	Gravity Thickener Redundancy	UF	UF	2,648,000	2,912,800	-	-	-
WW0922	Access Road & Septage Receiving Improvements	UF	UF	754,000	829,400	-	-	-
WW1022	Nutrient Reduction Sidestream Treatment Upgrades	UF	UF	5,693,000	6,262,300	-	-	-
WW0123	Front/Georgiana Capacity Improvement	New	UF	New	3,800,000	-	-	-
WW0223	New Sewer Washington Street (Park to 8th)	New	UF	New	2,000,000	-	-	-
WW0323	Decant Facility Equipment	New	UF	New	70,000	-	-	-
WW0423	WWTP Knife Gate Valve Installations	New	UF	New	75,000	-	-	-
WW0523	WWTP UST Tank Replacement	New	UF	New	220,000	-	-	-
COMBINED SEWER OVERFLOW								
WW0120	Pump Station #3 Force Main Replacement	A	A	3,435,000	5,135,000	4,942,000	1,842,000	-
WW1122	2022 Neighborhood Sewer Rehabilitation	A	A	389,000	213,400	40,000	40,000	-
WW0117	Francis Street Pigging Bypass	1	1	190,000	228,000	-	-	-
WW0316	CSO 6 and 7 Reconstruction	2	2	208,400	243,400	15,000	(135,000)	-
WW0918	2025 Neighborhood Sewer Rehabilitation	3	3	750,000	750,000	-	-	-
WW1018	2026 Neighborhood Sewer Rehabilitation	4	4	750,000	750,000	-	-	-
WW0715	Oak Street Sewer Separation	5	5	318,000	318,000	-	-	-
WW0815	Laurel Street Sewer Separation	6	6	318,000	318,000	-	-	-
WW1118	2027 Neighborhood Sewer Rehabilitation	7	7	750,000	750,000	-	-	-
WW1222	2028 Neighborhood Sewer Rehabilitation	8	8	750,000	750,000	-	-	-
WW0123	2029 Neighborhood Sewer Rehabilitation	New	9	New	750,000	-	-	-
	TOTALS			**38,329,800**	**53,607,300**	**7,251,800**	**2,466,900**	**-**

Number	SOLID WASTE PROJECTS Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
SOLID WASTE								
SW0112	Decant Facility at Transfer Station	A	A	968,700	1,040,400	110,000	(597,100)	394,800
SW0221	Facility Assessment	A	A	9,000	10,000	10,000	10,000	-
SW0120	Landfill Pump Station 17 Repair	1	1	280,000	336,000	-	(280,000)	-
SW0121	Landfill Access Road Repair	2	2	577,000	635,700	-	(577,000)	-
SW0122	Landfill Automated Facility Gate	3	3	100,000	110,000	110,000	10,000	-
SW0323	Long Haul Truck Tarping Station	New	4	New	200,000	-	-	-
SW0321	Landfill Access Road Repair - Phase 2	UF	5	-	800,000	-	-	-
SW0218	Landfill Security Fencing	UF	UF	220,000	220,000	-	-	-
SW0123	Recycle Processing Center	New	UF	New	750,000	-	-	-
SW0223	Landfill Cover System Repairs	New	UF	New	150,000	-	-	-
SW0423	MRWF Building Conversion - Office Space	New	UF	New	-	-	-	-
SW0523	Decant Facility Equipment	New	UF	New	70,000	-	-	-
	TOTALS			**2,154,700**	**4,102,100**	**230,000**	**(1,434,100)**	**394,800**

Number	STORMWATER PROJECTS Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
STORMWATER								
DR0213	H Street Stormwater Outfall	A	A	742,500	817,500	102,000	(544,000)	-
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	A	1,000,000	1,109,400	20,000	(957,400)	-
DR0804	Lincoln Park/Big Boy Pond Study	1	1	124,000	138,000	110,000	79,000	-
DR0322	Park Ave. Outfall to Peabody Creek	2	2	450,000	495,000	198,000	198,000	-
DR0121	Facility Assessment	3	3	9,000	10,000	10,000	10,000	-
DR0404	Stormwater at Canyon Edge & Ahlvers	4	4	3,800,000	4,180,000	-	(292,100)	-
DR0215	Francis Street Outfall Repair	5	5	90,000	100,000	40,000	(10,000)	-
DR0304	Stormwater at Laurel Street & US 101	6	6	775,000	2,167,000	-	-	1,300,000
DR0115	Liberty Street Stormwater Improvement	7	7	2,706,000	2,977,000	-	-	-
DR0122	18th St. Culvert & Outfall Improvement	8	8	700,000	803,000	-	-	-
DR0117	Peabody Street Water Quality Project	9	9	725,000	798,000	-	-	715,000
DR0222	Chase Street Stormwater Improvements	10	10	180,000	198,000	-	-	-
DR0123	Land Acquisition	New	R	New	1,000,000	-	-	850,000
DR0223	Decant Facility Equipment	New	UF	New	70,000	-	-	-
DR0219	Outfall to Creek Improvement Program	UF	UF	183,000	183,000	-	-	-
DR0112	Valley Creek Culvert & Outfall	UF	UF	1,022,000	1,022,000	-	-	-
TOTALS				**12,506,500**	**16,067,900**	**480,000**	**(1,516,500)**	**2,865,000**

DEPARTMENT	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
EQUIPMENT SERVICES							
Finance			125,600	125,600	39,900	39,900	
Community Development			87,300	87,300	-	-	
Police			1,906,700	2,912,100	401,400	240,800	
Fire & Medic 1			7,122,100	7,661,700	1,032,200	202,200	
Parks & Recreation			2,018,300	2,581,678	182,900	122,300	
Engineering			127,800	133,600	-	-	
Light Operations			2,834,900	3,686,295	438,900	307,100	
Water			1,736,200	2,111,450	170,900	170,900	
Wastewater			1,615,100	2,170,500	109,000	109,000	
Solid Waste			5,250,500	7,434,214	477,900	477,900	
Stormwater			996,200	1,763,800	384,500	384,500	
Conservation			45,500	46,400	-	-	
Equipment Services			1,621,600	1,556,117	241,400	241,400	
Information Technology			43,100	43,100	-	-	
Streets			2,911,600	3,740,187	255,300	228,500	
TOTALS			**28,442,500**	**36,054,041**	**3,734,300**	**2,524,500**	**-**

DEPARTMENT		2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
INFORMATION SERVICES								
IT0714	Data Backup Systems Replacement	R	R	422,200	632,200	210,000	210,000	-
IT0514	Data Storage Array Systems	R	R	300,000	300,000	150,000	150,000	-
IT0319	Network Refresh	R	R	280,000	280,000	-	-	-
IT0618	Virtual Server Replacements	3	R	600,000	600,000	150,000	150,000	-
IT1018	UPS Replacement - Disaster Recovery Data Center	1	A	60,000	60,000	60,000	60,000	-
IT0214	Records Management System	A	A	104,100	104,100	30,000	30,000	-
IT0416	Cemetery Software	A	A	30,000	30,000	30,000	30,000	-
IT0119	Wireless Bridge	A	A	60,000	60,000	36,000	36,000	-
IT0716	ERP Road Map & Replacement	A	A	2,414,900	2,454,900	2,380,400	2,380,400	-
IT0320	ESRI Migration to Arc Pro	A	A	100,000	100,000	100,000	100,000	-
IT0123	Intrusion Detection and Prevention	New	1	New	200,000	-	-	100,000
IT0223	Increase Primary Backup Storage	New	2	New	140,000	-	-	-
IT0323	SCADA Server Replacements	New	3	New	150,000	-	-	-
IT0423	Building Access Control and Cameras	New	UF	New	1,200,000	-	-	-
IT0523	City Owned Fiber Optics	New	UF	New	1,500,000	-	-	-
TOTALS				**4,371,200**	**7,811,200**	**3,146,400**	**3,146,400**	**100,000**

Number	TRANSPORTATION PROJECTS Title	2022 PRIORITY	2023 PRIORITY	2022 PROJECT TOTAL	2023 PROJECT TOTAL	2023 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
TRANSPORTATION BENEFIT DISTRICT PROJECTS								
TR1118	Revolving Street Improvements	R	R	284,500	314,500	120,000	90,000	-
TR0414	Peabody Creek/Lincoln Street Culvert Repair *	A	A	3,932,000	4,111,200	350,300	350,300	3,050,000
TR0121	Pavement Management Plan	1	A	200,000	200,000	200,000	200,000	-
TR0115	N Street Chip Seal (5th to 18th Streets)	2	A	500,000	550,000	550,000	550,000	-
TR0518	I Street Chip Seal (5th to 16th Streets)	3	A	450,000	500,000	500,000	500,000	-
TR0316	8th Street Chip Seal (A to I Streets)	4	A	400,000	450,000	450,000	450,000	-
TR0119	8th Street Paving (Lincoln to A Streets) *	5	1	1,280,000	1,944,400	30,000	30,000	1,464,400
TR1799	Truck Route at Hwy 101 Intersection *	6	2	7,775,000	3,275,000	119,200	4,200	3,025,000
TR0420	2023 Pavement Preservation	7	3	400,000	400,000	400,000	-	-
TR0716	ADA - Peabody Street *	9	4	370,000	370,000	20,000	-	300,000
TR0618	Stevens Middle School Walking Routes *	10	5	930,000	930,000	-	(15,000)	755,000
TR0117	Liberty Street Reconstruction	11	6	575,000	575,000	-	(15,000)	-
TR0221	Marine Dr Paving (Valley to Hill Street) *	12	7	1,600,000	1,920,000	-	-	1,700,000
TR0417	Ennis Street Pavement Repair	14	8	110,000	120,000	-	-	-
TR0419	Lauridsen Blvd Reconstuction (L St to City Limits) *	15	9	1,120,000	1,344,000	-	-	700,000
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	16	10	580,000	700,000	-	-	-
TR1416	Hamilton School Walking Routes *	13	11	1,735,000	1,735,000	-	-	1,310,000
TR0620	2026 Pavement Preservation	17	12	400,000	400,000	-	-	-
TR0818	Railroad Ave Overlay	18	13	350,000	455,000	-	-	-
TR0122	First/Front Paving (Lincoln to Tumwater Street) *	8	14	1,200,000	1,500,000	-	(100,000)	700,000
TR0219	5th Street Chip Seal ("A" to "M" Streets)	19	15	450,000	585,000	-	-	-
TR0720	18th Street Chip Seal	20	16	300,000	390,000	-	-	-
TR0520	2028 Pavement Preservation	21	17	400,000	520,000	-	-	-
TR0223	2029 Pavement Preservation	New	18	New	500,000	-	-	-
TR0816	ADA - Cherry Street	UF	19	400,000	425,000	-	-	-
TR0323	Lincoln Street Safety (8th to Lauridsen)*	New	20	New	3,300,000	-	-	3,250,000
TR0499	Laurel St/Ahlvers Road Overlay	UF	UF	950,000	950,000	-	-	-
TR1015	Cherry Street Area Chip Seal	UF	UF	950,000	950,000	-	-	-
TR0916	ADA - Oak & Laurel Streets	UF	UF	400,000	400,000	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Intersection	UF	UF	2,000,000	2,100,500	-	-	100,500
TR0104	2nd & Valley Streets Pavement	UF	UF	750,000	750,000	-	-	-
TR0308	O Street Improvements	UF	UF	2,000,000	2,000,000	-	-	-
TR0599	Hill Street Intersection Reconstuction	UF	UF	685,000	685,000	-	-	-
TR0317	Chase Street Vicinity Chip Seal	UF	UF	420,000	420,000	-	-	-
TR0123	Sidewalk for Ennis Street Improvements	New	UF	New	225,000	-	-	-
TRANSPORTATION PROJECTS								
TR0405	Alley Paving Revolving Funding	R	R	1,570,100	2,005,000	1,154,900	854,900	-
TR1120	Complete Streets Revolving Fund	R	R	700,000	700,000	-	-	-
TR0621	Waterfront Trail Repairs	R	R	593,000	707,800	120,400	20,400	-
TR0114	Hill Street - Olympic Discovery Trail *	A	A	3,941,000	3,941,000	6,900	6,900	-
TR0209	Race Street Complete Design & Construction Phase I *	A	A	5,251,800	5,251,800	4,608,700	4,608,700	4,608,700
TR0918	Downtown Tree/Sidewalk Replacement Phase III	1	A	500,000	500,000	500,000	300,000	-
TR0101	Laurel Street Stairs Replacement	2	A	735,000	839,300	100,000	(100,000)	-
TR0120	Signal Controller Upgrades 1st/Front *	3	A	1,597,500	1,771,700	1,564,700	204,700	1,544,700
TR1215	City Hall East Parking Lot LID *	5	A	1,333,000	1,350,400	1,205,000	(5,400)	1,005,400
TR0321	Speed Feedback Sign Program	13	A	90,000	90,000	30,000	-	-
TR0222	First/Front Pedestrian Enhancements *	17	A	1,280,000	1,280,000	220,000	220,000	1,200,000
TR1399	Traffic Signal Interconnect/Preemption	4	1	760,000	886,700	333,300	33,300	-
TR0318	8th/10th Street Bike Lanes *	16	2	480,000	1,989,000	-	-	1,959,000
TR1020	N Street Solar Speed Display	7	3	30,000	30,000	30,000	30,000	-
TR0416	1St/2nd/Valley/Oak Green Alley *	8	4	581,900	581,900	9,700	-	450,000
TR0919	Traffic Safety Camera Program	9	5	35,000	35,000	-	(35,000)	-
TR0821	Facility Assessment	10	6	9,000	10,000	10,000	10,000	-
TR0715	16th Street LID (C to L Streets) *	6	7	1,527,000	2,000,100	30,400	20,400	1,511,400
TR1116	School Area Speed Signs (Near Franklin)	12	8	50,000	50,000	-	-	-
TR0322	Intersection Control Study	14	9	50,000	50,000	-	(50,000)	-
TR0220	Traffic Circle Program *	15	10	1,600,000	1,700,000	-	-	1,580,000
TR0909	Wayfinding & ODT Signage	11	11	400,000	400,000	-	(138,000)	-
TR0421	Valley Street Culvert Crossing *	18	12	1,550,000	1,550,000	-	-	1,300,000
TR0920	Lauridsen Blvd Flashing Beacons	19	13	40,000	40,000	-	-	-
TR1109	Marine Drive Bulkhead Repairs	20	14	3,000,000	3,000,000	-	-	-
TR0423	Signal Controller Upgrades 1st/Front Phase II*	New	15	New	3,000,000	-	-	-
TR0619	Race Street Complete Construction Phase II*	UF	16	6,000,000	6,120,000	250,000	250,000	4,020,000
TR0819	Sidewalks for Mt Angeles Rd & Porter St*	UF	17	1,000,000	3,000,000	-	-	3,000,000
TR0113	Waterfront Redevelopment Phase III	UF	UF	20,000,000	20,000,000	-	-	-
TR1016	18th Street Bike Accessibility	UF	UF	1,000,000	1,000,000	-	-	-
TR0212	Caroline Street Slide Repair	UF	UF	375,000	375,000	-	-	-
TR1009	1st, Front & Race Street Crossings	UF	UF	423,000	423,000	-	-	-
TR0516	Nancy Lane Pavement	UF	UF	200,000	200,000	-	-	-
TR0506	Valley Creek Trail Loop	UF	UF	100,000	100,000	-	-	-
TR0208	Alternate Cross-Town Route Study	UF	UF	220,000	220,000	-	-	-
TR1316	Traffic Control	UF	UF	300,000	300,000	-	-	-
TR1018	Zig Zag at Oak Street	UF	UF	600,000	600,000	-	-	-
TR0719	First & Front Street Decoupling	UF	UF	-	-	-	-	-
TR0521	"I" to "M" Paving and Sidewalk LID	UF	UF	2,000,000	2,000,000	-	-	-
TR0721	Gales Addition Connector Planning	UF	UF	-	-	-	-	-
	TOTALS			**93,818,800**	**104,092,300**	**12,913,500**	**8,275,400**	**38,534,100**

*These projects are anticipated to be grant funded and if funding is not obtained they will not be done.

THE CAPITAL FACILITIES PLAN

Capital facilities are all around us. They are the public facilities we all use on a daily basis; streets, sidewalks, trails, parks, City Hall, recreational facilities, fire stations, and the Senior Center. Also, included in facilities are distribution and transmission lines for electric, water, sewer and stormwater. Even if you do not live in the City limits you use capital facilities every time you drive, eat, shop, work or play in Port Angeles.

While a Capital Facilities Plan and Transportation Improvement Plan (CFP/TIP) does not cover routine maintenance, it does include renovation, major repairs and reconstruction of damaged or deteriorating facilities. Capital facilities do not usually include furniture and equipment; however, a capital project may include the furniture and equipment clearly associated with a newly constructed or renovated facility.

The City of Port Angeles defines a capital facility project as a project that exceeds one year in length, and is over $30,000 in costs. Of course exceptions to this definition are allowed based on the projects particular details.

The planning period for the CFP/TIP is six years. Expenditures and revenues proposed for the first year of the program are incorporated into the capital portion of the City's Budget, which is adopted in December of each year. It is important to note that this process is an ongoing activity with new information and changing priorities shaping the program. Each time a review is carried out a comprehensive analysis is performed to show long-term effects of any changes.

The Importance of the CFP/TIP

A CFP allows the community and the City Council, to critically review and identify what is in good condition, what can be improved, what might be needed in the future, and what other opportunities may exist. Without this comprehensive approach, consideration and approval of capital improvements will likely result in short-range, uncoordinated decision making, which fails to consider all the available information and resources. A haphazard approach can waste public funds and lead to poor project planning and timing.

Optimal capital planning provides a process that considers all the available information, analyzes the projects that are possible to fund, and produces a balance of projects, funding sources, and timing schedules. In addition a CFP/TIP:

- Facilitates repair and replacement of existing infrastructure, equipment, and buildings before they fail.
- Promotes efficiency by reducing scheduling conflicts and problems.
- Safeguards against investment in one public facility or service at the expense of others.
- Provides a framework to make decisions about growth and development of the community.
- Helps preserve existing property values.
- Provides a continuing process that minimizes the impact of turnover among elected and appointed officials.
- Focuses community attention on priority goals, needs and capabilities.
- Helps distribute costs equitably.
- Informs citizens about the community's overall needs and resources.
- Helps decision makers save time and avoid surprises.

THE CFP PROCESS

Developing and updating of the CFP/TIP is an ongoing activity, and it is part of the overall budgeting and long-range forecasting processes. The current year capital improvements are implemented through the adoption of the City Budget based on projects approved in the CFP. Specific activities in the process are:

1. **Timetable, Goals and Objectives.** The CFP/TIP process begins in January with Department entry and re-evaluation of projects. Once this portion of the process is complete Departments meet with the Finance Director and the City Manager to ensure projects are prioritized based on Council direction and sustainable funding exists to support all projects in the CFP. This process usually occurs at the end of March. The Finance department will then run analysis on the total project listings for depreciation, operating and maintenance costs and cash flows for inclusion in the Preliminary document that will be distributed to Council, the Utility Advisory Committee and Citizens for review. Beginning in May the UAC and Council will have meetings to review the document and projects and make recommended changes. Finally, Council will conduct two public hearings to allow Port Angeles residents an opportunity to make recommendations regarding the CFP, and they will adopt the CFP/TIP prior to June 30th. A graphic showing this process can be found on the next page.

2. **Taking Inventory and Developing Proposals.** Staff gathers information about all the City's capital facilities and equipment, assessing the condition of all. Construction, repair, replacement, and additions are considered and a list of proposed projects and equipment is developed.

3. **Public Participation.** The CFP process is an important public communication medium. It provides residents and businesses a clear and concrete view of the City's long term direction for capital improvements, and a better understanding of the City's on-going need for stable revenue sources in order to fund large or multi-year capital projects. In conjunction with the City staff monitoring inventory and developing proposals, the public is invited to participate and submit capital improvement ideas. The public can participate through formal appointment to one of the City's many committees or simply by attending a council meeting, or public hearing regarding the CFP/TIP.

4. **Conducting a Financial Analysis.** Staff conducts a financial analysis to examine historic and projected revenues and expenditures and to estimate the City's cash flow and long-term financial condition. Present and future capital financing alternatives are identified and recommendations are prepared to match the type of funding most appropriate for the specific kinds of capital improvements. The City includes on-going maintenance costs in order to keep sight of those expenses when finalizing its long-range financial plan.

5. **Advisory Committee Evaluation of Proposals.** The list of proposals and financial analysis are submitted to the appropriate advisory committee for evaluation. The committees are comprised of City Staff, City Council, and Citizens. They are responsible for evaluating and prioritizing the proposals, by using criteria based on City policy, goals and objectives. The committees prioritize the proposals, integrate them with the appropriate funding sources, and submit a preliminary CFP for City Council and public review.

6. **City Council, Public Review and Adoption.** City Council conducts a worksession regarding the CFP/TIP including any proposed changes. During two separate Council meetings the City Council provides opportunity for public review and comment. Following incorporation of any changes the City Council formally adopts the plan prior to the June 30th deadline.

THE CALENDAR OF SIGNIFICANT EVENTS

	RESIDENTS	ADMINISTRATIVE STAFF	CITY MANAGER & CITY COUNCIL
	INPUT ON BUDGET PRIORITIES & DIRECTION THROUGH:	REVIEW OF PRIOR RESULTS	REVIEW OF PRIOR RESULTS
Through out the Year	Direct Contact with the City Manager and City Council Community wide input City Council Meetings	Information to Council and Community on Results through project closure and spending reports Planning Training on tracking system Tracking system available	Using input from administration and residents provides feedback and guidance to Administration on priorities
February		Staff enter and update project information, adding new products	
		ENTER	
March		Projects reviewed by staff and forwarded to Management	Council priority setting process based on input from the community and staff
		PRIORITIZE	
April		Projects reviewed by Management Management prioritization of projects and first draft First draft to department heads for prioritization Department heads and City Manager complete prioritization Roll Budget from Prior Year	Set public hearing date Council priority setting process based on input from community and staff Council committee review initial draft and begin prioritization
		FORMAL COUNCIL & PUBLIC INPUT BEGINS	
May	Initial public hearing on proposed CFP/TIP includes council workshop Additional public hearing(s) on proposed CFP	State Environmental Protection Agency Update due Introduction of CFP/TIP to City Council	Council workshop & public meetings as needed Public Hearings
		BUDGET PROCESS BEGINS	
June		Transportation Improvement Plan filed with the State	Close public hearings and pass resolution on CFP/TIP
		PRIORITIZATION OF CAPITAL SPENDING	
July	Community wide input	Budgeting for next year begins	
		BUDGET APPROVED	
August through December	Community discussion, input, and priority setting Survey results	Management recommendation for spending presented to Council	City Council discussion at open City Council meetings Council finalize priorities Budget allocation for capital projects

GROWTH MANAGEMENT AND THE CFP/TIP

A CFP is required for counties and cities under the Washington State Growth Management Act (GMA). The basic objective of the GMA is to guide local governments in writing and implementing comprehensive plans in accordance with each community's values and vision for the future. Planning under the GMA will help the City meet the challenges of growth in an environmentally and fiscally sound manner.

The requirements for preparing a capital facilities plan under the GMA changed the way comprehensive planning has been done in the City. Both the transportation and capital facilities elements reinforce the requirement that comprehensive plans, prepared under GMA, be realistic and able to be implemented. Requirements include setting levels of service standards, inventories, and forecasts of existing and needed capital facilities, as well as six-year financing plans.

The GMA requires that comprehensive plans guide growth and development in a manner that is consistent with the following thirteen state planning goals, plus one shoreline goal:

1. Encouragement of urban density growth within designated urban growth management areas.
2. Reduction of urban sprawl outside of designated urban growth management areas.
3. Encouragement of efficient transportation systems, including alternate systems of travel.
4. Encouragement of affordable housing availability to all economic segments.
5. Encouragement of economic development.
6. Proper compensation for private property obtained for public use.
7. Timely processing of governmental permits.
8. Enhancement of natural resource based industries and encouragement of productive land conservation.
9. Encouragement of open space retention for recreational opportunities and wildlife habitat.
10. Protection of the environment, including air and water quality.
11. Encouragement of citizen participation in the planning process.
12. Provision of adequate public facilities to support development without decreasing current service standards below locally established minimum standards.
13. Encouragement of the preservation of lands, sites, and structures that have historical or archaeological significance.
14. Protection of shorelines, including preserving natural character, protecting resources and ecology, increasing public access and fostering reasonable and appropriate uses.

POLICY AND FISCAL DIRECTION

In developing the CFP, staff followed the policy and fiscal direction provided by the City Council, the Comprehensive Plan, the Strategic Plan, the Long-Range Financial Plan (LRFP) and the Budget. This guidance includes defining the use of debt, financing options and financial responsibility available for use in the CFP.

As part of the City's strategic planning process, the City Council adopted a Vision Statement to guide the community toward a progressive future. The Vision Statement reads:

The City of Port Angeles is vibrant and prospering, nurturing a balance of innovation and tradition to create an environmentally, economically, and fiscally sustainable community, accepting and cherishing its social diversity, small-town character and natural setting.

In order to achieve this vision, the City Council will adopt projects that have long-term, positive effects on community revenue growth, keep City infrastructure in sound and stable condition without increases to rates for capital needs and that align with these strategic goals:

- Economic and Community Development – The City's goal is to provide a well-planned community that is attractive and sustainable. Where citizens enjoy a high quality of life and a positive reward for their investment in the community.
- Public Safety – The City is working to reduce criminal activity, prevent personal injury and the loss of life and property.
- Transportation – The City is working to develop a transportation plan that improves safety, reduces congestion, paves gravel roads, and helps citizens arrive at their destinations with ease.
- Recreation Improvements – The City's goal is to provide attractive and safe gathering places for all ages.
- Information Technology Improvements – The City's goal is to provide computer software and hardware that allow more efficient use of personnel time, which allows for quick and accurate reporting options and citizen access to important city information, and improves internal and external customer service.
- Infrastructure Improvement – The City's goal is to provide safe and effective electric, water, sewer, solid waste, stormwater, and City facilities, to provide cost effective services to the citizens of Port Angeles.

The capital projects of the City of Port Angeles are also compatible with the goals of the Comprehensive Land Use Plan, which is a general guide to location, character and land use, including the supporting infrastructure and public facilities.

THE LONG RANGE FINANCIAL PLAN (LRFP) & THE CFP

The City takes a conservative approach to all financial planning to ensure revenues are not overspent at the end of the year. Additionally, the LRFP will help to balance costs associated with maintenance, and replacement or repair to ensure funding is maximized and is not spent on costly maintenance rather than needed improvements. The LRFP will take into consideration cost recovery for operations, and revenue sources to complete necessary projects, this includes grants. Included in this plan are guidelines for capital spending that will:

- Focus on projects that will support the Port Angeles community.
- Preserve existing infrastructure.
- Seek one-time revenue sources to be used for one-time capital expenditures.
- Pursue new technologies and methods to improve services.
- Maintain capacity to respond to emerging needs.
- Address unfunded liabilities and mandates.
- Selectively recover costs.
- Recognize the link between operating and capital budgets.

In the years that the City has a positive financial forecast the City will assess the situation to determine if reserve balances are adequate, or if one-time excess revenues may be used for capital projects. In years that the forecast is negative the City will work diligently to determine areas where savings can be achieved and may re-evaluate the current prioritized list of capital projects.

The LRFP is part of the City's Financial Policies, another key document used when building the CFP. City policy states that General Fund reserve requirements must be 25% of operating expenses, and utility reserves require 90 days of operating expenses for all utilities except Electric which is at 60 days of operating expenditures. These reserve balances must be maintained regardless of the capital projects in need of funding.

The CFP/TIP also implements City financial policies, including:

- Investing identified excess reserves of general funds in capital projects.
- Maintaining a good credit rating. A symbol of a City government that is financially well managed and maintained.
- Adhering to the highest accounting and management policies as set by the Government Finance Officers' Association (GFOA), the Government Accounting Standards Board (GASB), and other professional standards for financial reporting and budgeting.
- Ensuring that adequate resources are allocated to preserve existing infrastructure and other capital assets before targeting resources toward construction or acquisition of public facilities or major equipment.
- Adopting a CFP that ensures infrastructure projects are the embodiment of the officially stated direction of the City's Comprehensive Plan.
- Identifying and coordinating infrastructure, facility, and equipment needs in a way that maximizes the return to the community.
- Leveraging grants and other outside funding to meet funding requirements.

The first priority for financing new projects will include the use of grants and contributions, then surplus reserves, rates, and finally the use of loans and bonds. However, at this time Council has directed that no new debt shall be obtained.

RELATIONSHIP BETWEEN CFP/TIP AND OPERATING BUDGETS

The City's governmental and utility capital projects are budgeted in funds separate from the operating budget. The majority of the City's budgeted general capital projects are funded from dedicated revenue sources, which help to alleviate competition for general tax dollars between capital and operational needs. This fact, along with the City's conservative approach to project revenue and its sound financial planning and fiscal policies, has allowed the City to continue to provide basic services, invest in infrastructure, and address deferred maintenance needs.

New capital facilities occasionally increase the operational costs of the government when they require additional maintenance. The ability of ongoing revenue to support these costs varies significantly by the type of facility and is accounted for in the projected spending in the CFP. In some cases, capital expenditures decrease future costs, such as when facilities are upgraded. An example of this is the replacement of a leaking roof with a long-lasting roof, resulting in decreased maintenance cost.

Additionally, transportation costs can decrease maintenance of an area when potholes are no longer being filled after a repaving project. New sidewalks will decrease costs by removing the need to mow the area regularly. Widening sidewalks, trails and streets have minimal impact on operating expenses, but add functionality.

City owned facilities, including parks, can have operating impacts that vary greatly. Each project will describe the additional or reduced costs on the detail sheets. Operating costs are considered when each project is discussed during the CFP process. Regular maintenance for these facilities are also discussed and are budgeted in the Facilities Division budget.

Economic and Community Development impacts should remain as neutral as possible with additional ways to generate revenue as part of the project scope. There may be times when revenues are not sustainable and would require an increased expenditure offset.

Utility projects impact the budget on an individual basis. For example, building a new water treatment plant will add personnel and maintenance costs, but building a water line to new areas could increase revenues for new sales. Debt payments are shown as increases in operating costs so correct financial analysis can be achieved.

Information technology impacts the operating budgets of all funds. Software and annual maintenance contracts often increase for upgrades with decreases seen if the new capital items reduce hours spent on a task.

BUDGETING / ACCOUNTING STRUCTURE

Capital improvements associated with general governmental activities are budgeted in the Capital Improvement Fund (#310) in the appropriate division for the capital activity. This fund accounts for the governmental financial resources used in the acquisition and construction of major capital facilities and equipment. Additionally, a separate capital fund for collection of park revenues related to Lincoln Park and facility rentals, are reserved for the repair and maintenance of all park locations. Separate budget statements are prepared for each of the capital projects funds. In the CFP section of the budget, individual operating impacts are discussed for each active and proposed governmental project. General government tax revenues, transfers, bonds, grants, and contributions provide the funding for these projects. Transportation improvements associated with the TBD are budgeted in the Transportation Benefit District Fund (#312) in the appropriate division for the capital activity.

Capital improvements associated with the City's electric, water, wastewater, stormwater, landfill, solid waste and medic 1 utilities are budgeted within the respective Enterprise Capital Fund. A combination of reserves, utility rates, bonds, contributions, general government transfers and Public Works Trust Fund loans, are used to fund these projects. Projects provide new and improved infrastructure for our utility customers. These are shown as a separate budget per fund, providing both funding sources and expected revenues. These funds combine with the operating funds for reporting in the Comprehensive Annual Financial Report to provide an overall picture of utility activity.

Information Technology, Equipment Services, REET #1 and #2, and Lodging Tax funds transfer or pay directly for capital projects. The capital projects for Information Technology are not tracked in a separate fund. Funding for Information Technology is based on divisions and departments that benefit from the project. These costs are allocated to those departments annually. The Lodging Tax Advisory Committee, in a process separate from the CFP, recommends projects to be funded from Lodging Tax revenues. Resolution 11-18 amended by City Council in 2021 states that 20% of spending in this fund should go toward capital projects. Those amounts are transferred to the appropriate capital project, with funding shown as a transfer out of the Lodging Tax Fund. REET funds cover specific allowed capital expenditures as outlined in RCW 82.46.010. Equipment Services charges each fund an amount annually for equipment replacements which is held in Equipment Services fund until the purchases are made. Equipment Services works as a revolving fund with funding accumulating for each division until a replacement is required.

DEBT & FUNDING SOURCES

The goal of the City is to maintain the ability to provide high quality essential services in a cost effective manner; however, in years past it has been necessary for the City to obtain debt to fund capital projects due to mandated or essential projects that cannot wait for a different funding source. State law limits general obligation bonded debt to 2.5% of assessed value of taxable property. Of this limit, up to 1.5% of the assessed value of taxable property may be non-voter debt, also referred to as Councilmanic Bonds. The remaining 1% of available bonded debt must be voter approved, whether general government in nature or related to utilities. The City also has debt authority to impose 2.5% each for utilities and parks, bringing the total debt limit to 7.5%. Note, the amount of non-voted bonds, plus voter-approved bonds must not exceed 2.5% of the assessed property valuation for the City of Port Angeles, or $60.5 million as of January 1, 2023.

The General Fund can be obligated to pay for general bonds, however, revenue bonds rely on utility rates for their repayment stream. Prior to consideration of any debt Council and staff weigh the need for the project against the ability of residents to afford a rate increase. The Financial Policies of the City of Port Angeles further define the process and duties involved with obtaining each debt instrument. Basic goals are to:

- Conservatively project the revenue sources to pay off the debt, using one time revenues when available first.
- The term of the loan cannot exceed the life of the asset being financed.
- The benefits of the improvement must outweigh its costs, including the cost of financing.

Currently, the City of Port Angeles debt issues cover two mandated projects for the Combined Sewer Overflow (CSO) project and the Landfill Bluff Stabilization, as well as the 8th Street rebuild, downtown sidewalk rebuild, expansion into the Western Urban Growth Area, and utility improvements. This CFP is funded without the need for new debt.

FUNDING SOURCES

In an attempt to stretch funding as far as possible, the CFP/TIP incorporates many different funding sources. These sources may include current revenues, reserves, bonds backed by taxes or utility revenues, state and federal grants, special assessments on benefiting properties, donations, and low interest state loans.

CURRENT REVENUES & RESERVES	
General Fund Lodging Tax Street (motor vehicle fuel tax) Economic Development Interest earnings REET #1 & #2 Medic 1	Electric Water Wastewater Solid Waste Stormwater Transportation Benefit District Tax
DEBT	
Public Works Trust Fund loan Utility Revenue Bonds	LTGO Bonds
GRANTS	
State Transportation (TIB) Federal Hwy Administration Department of Ecology	State Transportation Project (STP) Department of Commerce State Recreation & Conservation
OTHER	
Contributions/Donations	Insurance Proceeds

CATEGORIZATION OF CFP/TIP ITEMS

Throughout this document, individual capital improvement projects are placed into one of the following categories:

1. General Government – this includes improvements and acquisitions related to public safety, City Facilities, Recreation, Parks, and all projects not specifically related to any of the following classifications.

2. Medic 1 – this includes equipment purchases and improvements to provide services to the community.

3. Electric – this includes providing additional infrastructure, acquisition related to urban growth areas, and providing metering and other electrical services to customers.

4. Water – this includes providing improved water treatment facilities, distribution lines, metering and replacement of old lines.

5. Wastewater - this includes providing improved wastewater treatment facilities, distribution lines, metering and replacement of old lines as well as reduction of sewage into the ocean and streams. The CSO (Combined Sewer Overflow) is included in this category and involves providing sewer separation for wastewater and drainage.

6. Solid Waste – this includes closure and post-closure of the Landfill, maintenance of the composting facility, and improvements to the Transfer Station.

7. Stormwater – this includes providing stormwater drainage, improvement in collection of stormwater to prevent drainage to streams and marine, and building of mandated stormwater collection and treatment points in the City.

8. Equipment Services - this includes acquisitions related to vehicle purchases, and attachments to those vehicles paid by each funds equipment operation charges with reserves held for each fund for replacements.

9. Information Technology – this includes acquisitions related to the City's computer technology, including hardware and software, and improvements or upgrades to the computer or communication equipment purchased through interdepartment charges.

10. Transportation – this includes improvement to and construction of roadways, sidewalks, trails bridges and pedestrian byways.

11. Closed Projects – listing of recently closed projects.

12. Comp Plan – linking the CFP to the Comprehensive Plan and the Strategic Plan.

FREQUENTLY ASKED QUESTIONS

What is a capital project?

Capital projects are defined as an installation, build, piece of equipment, or major asset, including land purchases, that has a useful life of more than one year and exceeds $30,000 in cost. This includes streets, trails, bridges, buildings and infrastructure such as electrical, water and wastewater lines. Expenditures are capitalized at $7,500 for City only spending and $5,000 for grant spending.

There are many projects listed in the Capital Facilities Plan and Transportation Improvement Plan (CFP/TIP) how does the City determine the project priority?

There are many factors that determine the priority of a project. Departments, Directors and the City Manager meet to discuss and prioritize. These are then presented to City Council, and the public, for their input. Some basic requirements of the project when prioritizing include:

- Maintenance or general repair of existing infrastructure.
- A legal or statutory requirement.
- Continuation of multi-year projects with contractual obligations.
- Implementation of Council goals and objectives.
- Ability to leverage outside sources for funding (grants, mitigation, impact fees, low interest loans, etc.).
- Ability to leverage two or more projects to complete at the same time (i.e. a water main replacement leverages the repaving of the street in the area).
- An acquisition or development of new facilities.
- Ability to meet Council goals in the Strategic Plan and Comprehensive Plan.

When considering which projects are funded in the CFP, adequate funding to construct and maintain projects is determined by two important questions:

1. What can we afford?
2. What factors are considered when two or more priorities conflict with each other?

As noted in the Long-Range Financial Plan (LRFP), leveraging outside revenue sources is critical. If grant funds are applied for and received, grant funded projects will likely become a priority. Grant funds awarded become new and additional revenue to the City, or one-time revenues, allowing the City to stretch it's governmental dollars. The City continually looks for ways to reduce the reliance on General Fund revenues for capital projects. The City also looks to develop partnerships to lower the cost for construction, or operations and maintenance.

Once a priority is assigned, are the highest priority items automatically provided funding in that same order?

Typically, prioritized projects receive funding in order; however, in instances where other funding, such as grants or donations, become available project priorities can change.

Do state or federal grants require that the City complete projects out of our preferred order?

Potentially, grant funding usually can have limitations on the timeline of completion that would require reprioritization of projects. However, grant funding should also be sought out for preferred, or high priority projects.

If it is likely the capital project will affect operating budgets, will this impact whether the project is approved and funded?

Yes, it is important to note which projects carry additional operating costs in future years, or can reduce operating costs. Those impacts will be measured when the project is analyzed during the priority setting process with City management and Council to ensure projects are affordable to Port Angeles citizens by keeping utility rates as even as possible.

When funding projects where does the money come from?

Governmental projects, including parks and facilities, can be funded through non-voted (Councilmanic) bonds, grants, cost sharing, local improvement districts (LIDs), developer contributions, impact fees, real estate excise taxes (REET), lodging taxes and General Fund contributions. Transportation projects can be funded by all sources mentioned for Governmental projects and additionally by the 0.02% voter approved sales tax for the Transportation Benefit District.

Utilities, including Electric, Water, Wastewater, CSO, Solid Waste, Stormwater and Medic 1 are operated like businesses and must be self-supporting. Utility capital projects are funded through a combination of grants, loans, facility charges, rates, developer fees, and revenue bonds. When these revenue sources cannot fund all projects the appropriate utility transfers funding to the capital account. This transfer is built into the cost of service analysis (COSA) used to set rates.

What can be included in the Capital Facilities Plan?

The Growth Management Act governs what we can include in the plan. We cannot show projects in the Capital Facilities Plan unless we reasonably expect to generate the revenue to complete the projects.

Where does funding come from?

Depending on the project type the funding can come from a number of sources, including governmental (tax based) reserves, utility reserves (fee or rate based), grants, limited liability districts, contributions, donations, loans, and bonds. Each project will define the funding specific for that project. In many instances use of funding is very specific and can only be used for certain types of projects.

Once a project is funded and approved, can any part of the money be used for another project?

Yes, the City Council can by simple majority vote appropriate funds to another project, but cannot move funding from a utility to a governmental project, or between the utilities. The funding source is approved for specific types of projects, i.e.: electric funding can only be used for electric projects, street funding can only be used for streets. When funding is deemed excess and the funding is governmental in nature, that amount can be moved to any project, as long as restrictions do not prohibit the use of the funding. Grant funding can only be used for the specified purpose and is restricted in nature.

If a project was initially funded through the CFP process, yet is not complete, will it continue to be listed in the CFP document?

Yes, as long as the project is not closed and completed it will continue to be included in the CFP until funding can be identified for project completion.

Individual projects seem to indicate that a specific dollar amount can be expected to be spent over the next six years. Is this a correct assumption?

No, the planning period is for each year and continued for the next six years. Only the revenues and expenditures in the first year of the program are incorporated into the Annual Operating Budget (adopted in December of each year). It is important to note the CFP is a planning document that includes timeline and cost estimates. These timelines and costs are subject to changing dynamics, such as growth, project schedules, new information, evolving priorities, and other assumptions. Therefore, the CFP is annually reviewed and updated to verify that fiscal and time resources are available.

What happens if revenues fall below projections over the next six years?

If revenues do not meet the original requirements for funding capital projects, the CFP will be reviewed and new priorities set so the City is not over-spending or over-delivering a facility that cannot be supported in coming years.

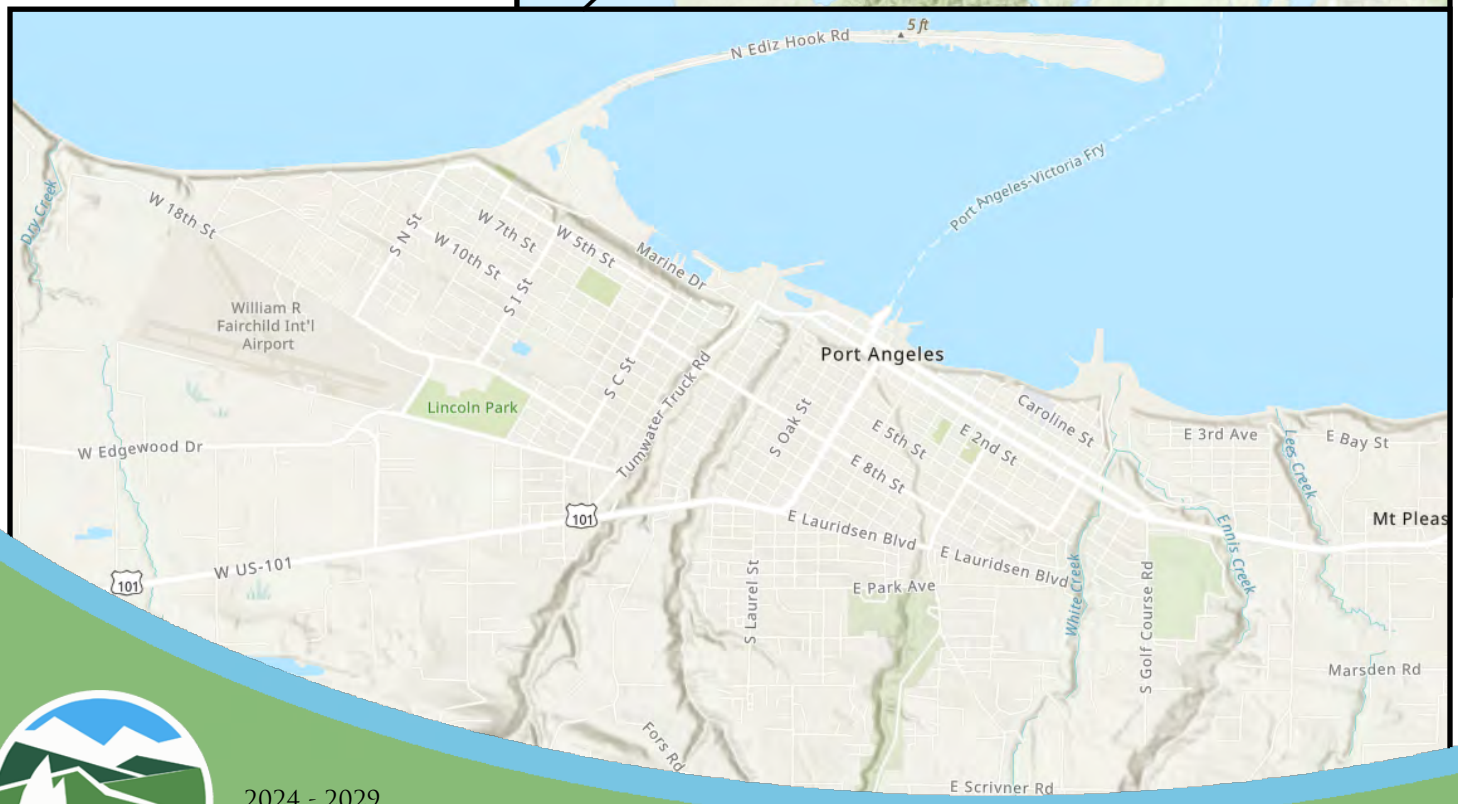
How do I become more involved in the CFP process?

Citizens, community groups, businesses, and other stakeholders can maximize the attention and consideration paid to their suggestions by working with the City staff, the Planning Commission, and attending City Council and Utility Advisory Committee (UAC) meetings. Projects and policies are continually monitored and updated with a thorough public process associated with City boards and commissions. Additionally, there are several work sessions and public hearings regarding the CFP/TIP. To learn more about these opportunities please visit the City's website at www.cityofpa.us.




Vancouver
Seattle
Washington
Montana
North Dakota
Minnesota
Lake Superior
Ottawa
Minneapolis
Wisconsin
Lake Huron
Toronto
Buffalo
Milwaukee
Detroit
Chicago
Cleveland
Pittsburgh
Philade
Oregon
Idaho
Rocky Mountains
Wyoming
Great Plains
South Dakota
Iowa
Nebraska
Salt Lake City
Denver
UNITED STATES
Illinois
Indianapolis
Cincinnati
Kansas City
St Louis
Louisville
Washington
Sacramento
San Francisco
Utah
Colorado
Kansas
Missouri
Kentucky
Appalachian Mountains
Richmond
Norfolk
Fresno
California
Las Vegas
Colorado Plateau
Oklahoma
Oklahoma City
Tennessee
Piedmont
Los Angeles
San Diego


Juan De Fuca Provincial Park
Victoria
Mt Vernon
Oak Harbor
Port Angeles
Olympic Mountains
3497 ft
Everett
Olympic National Park
Seattle
3


N Ediz Hook Rd
5 ft
Port Angeles-Victoria Fry
Dry Creek
W 18th St
W 7th St
W 5th St
Marine Dr
S N St
W 10th St
S I St
William R Fairchild Int'l Airport
Port Angeles
S C St
Tumwater Truck Rd
Lincoln Park
Caroline St
E 3rd Ave
E Bay St
W Edgewood Dr
S Oak St
E 5th St
E 2nd St
E 8th St
Lees Creek
Mt Pleas
101
E Lauridsen Blvd
W US-101
E Park Ave
S Laurel St
White Creek
S Golf Course Rd
Ennis Creek
Marsden Rd
Fors Rd
E Scrivner Rd

City of Port Angeles Governmental Projects 2023

- City Pier Railing Replacement PK0819
- Synthetic Field Turf at Volunteer Field PK0220
- Parks Maintenance Building PK0719
- City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek) PK0519
- Locomotive #4 Refurbishment PK0316
- Erickson Playfield Tennis Court Improvement PK0122
- Elks Pickleball Court Improvements PK0123

City Hall Projects:

- EOC/911 Dispatch (PenCom center) PD0121
- Facility Security Projects GG1113
- Facility Improvement Revolving Fund PK0216

Citywide Projects:

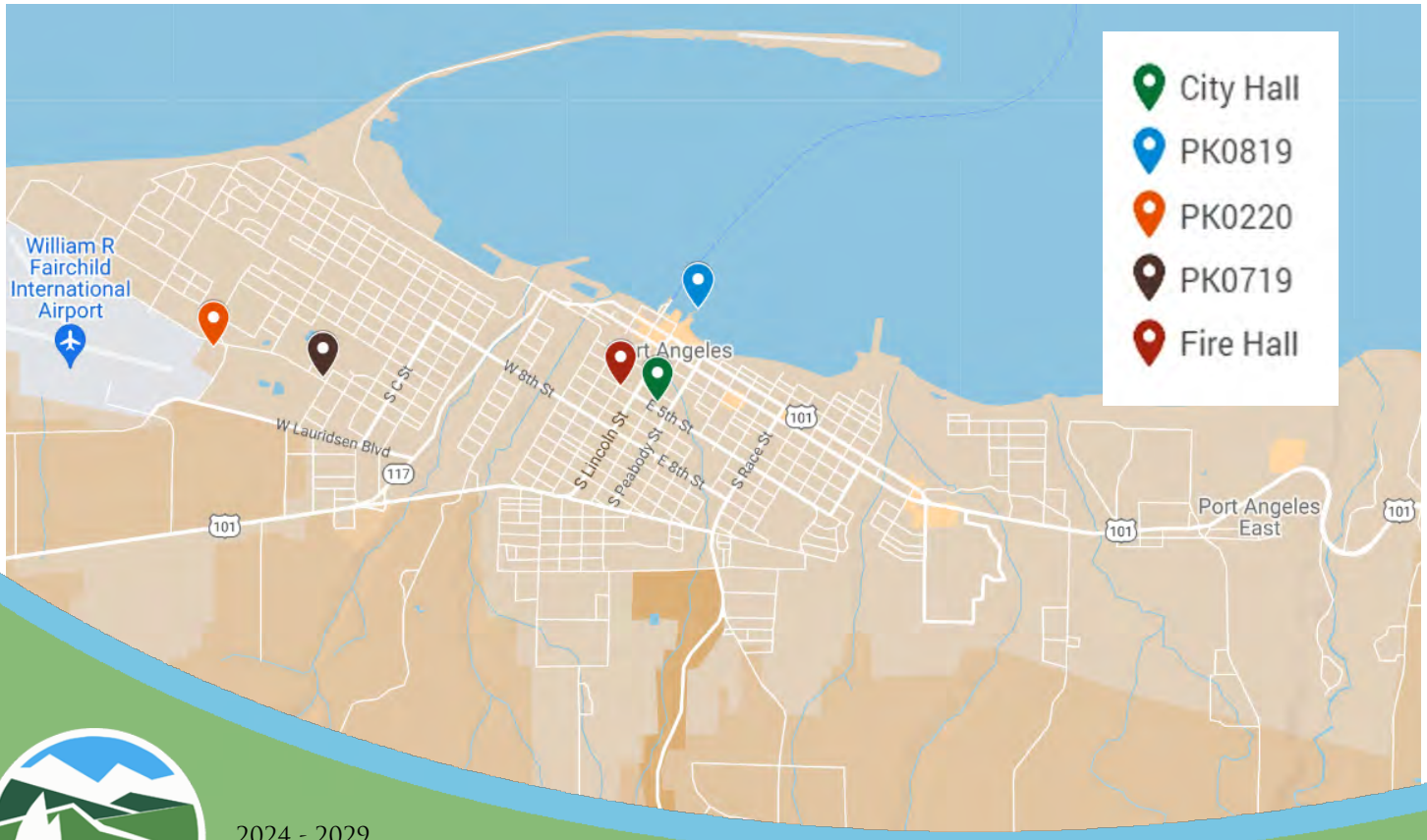
- NICE Funds GG0303
- Broadband Improvement Feasibility Study GG0121
- Restroom Replacement Program PK0205
- Emergency Management Pods FD0318
- HVAC Upgrades at City Facilities PK0320

Fire Hall Projects:

- Fire Hoses FD0615
- Fire Station Garage Door Replacement FD0315

Police Projects:

- PenCom Capital CAPPC
- Police Regional Training & Gun Range Facility PD0307
- Police Taser Replacements PD0120
- Police Radio Replacement PD0122
- Mobile Data Terminal Replacements PD0116



City of Port Angeles Utilities Projects 2023

Electric:

- Construct New Light Ops Building CL0414
- I Street Substation Switchgear Replacement CL0217
- College Street Load Tap Changer Replacement CL0420
- Washington Street Substation Switchgear CL0117
- Overhead Reconductoring CL0819
- Underground Cable Replacement CL0619

Water:

- Water Soils Decant Bays WT0419
- Reservoir Instrumentation Upgrades WT0218
- Race Street Water Main Replacement South WT0221
- Peabody Reservoir Inlet Pipe Replacement WT0619
- Water Treatment Plant Repairs WT0519 – dark moss
- White Creek & 3rd Street Main Crossing WT0121
- Morse Creek Transmission Main Eval/Design WT0320
- 11th Street ROW Tumwater Creek Crossing WT0123
- 14th Street ROW Tumwater Creek Crossing WT0223
- Elwha - Fish Screen Facility Improvements WT0122
- Elwha - Effluent Distribution Structure Bypass WT0222

Wastewater:

- Wastewater Soils Decant Bays WW0519
- West 4th Street Capacity Improvement WW0220
- WWTP Potable Water Air-Gap WW0420
- Anaerobic Digester Roof Improvements WW0122
- WWTP HVAC Replacement WW0419
- WWTP Septic Truck Pad Repair WW0320

Combined Sewer Overflow:

- Pump Station #3 Force Main Replacement WW0120
- CSO 6 and 7 Reconstruction WW0316

Solid Waste:

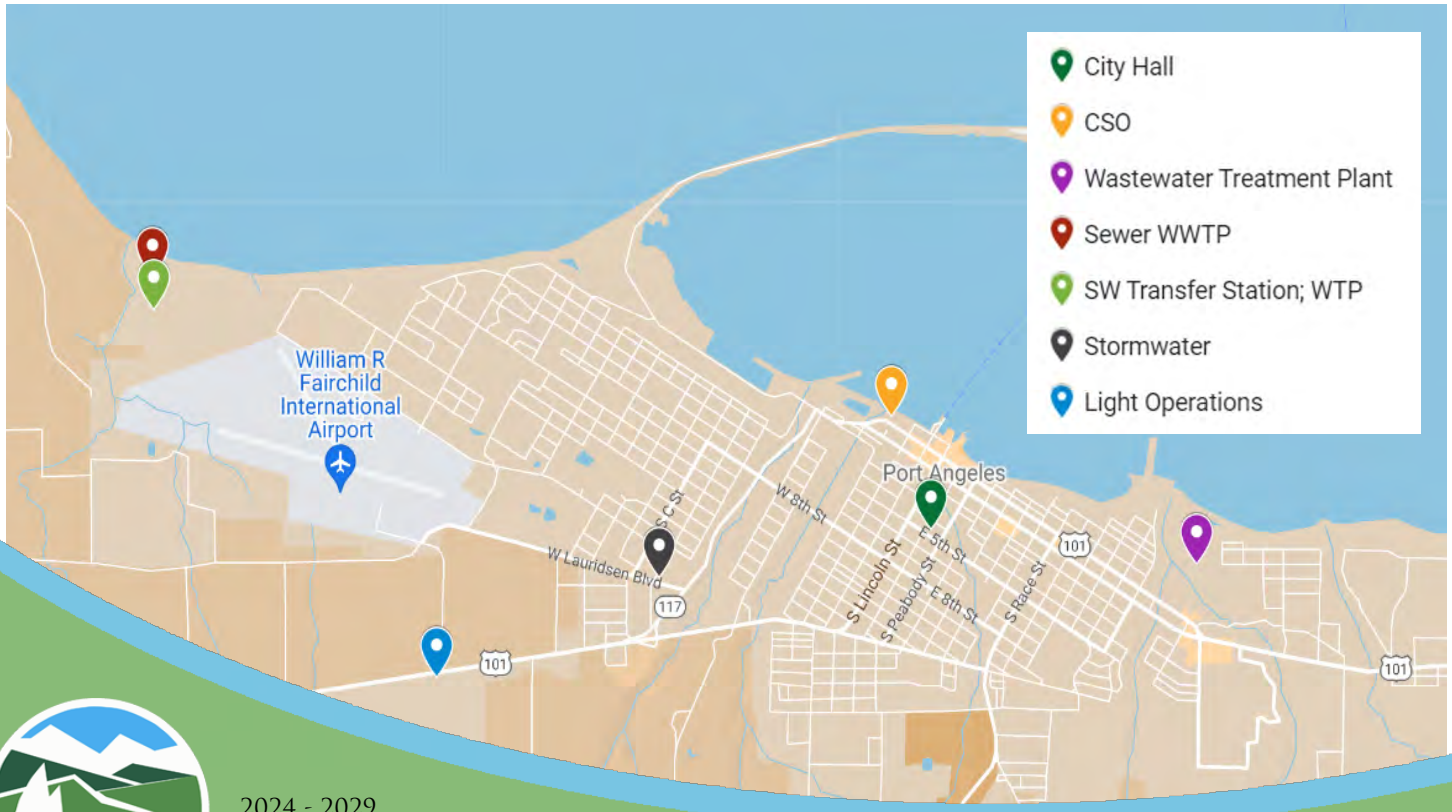
- Decant Facility at Transfer Station SW0112
- Landfill Automated Facility Gate SW0122

Stormwater:

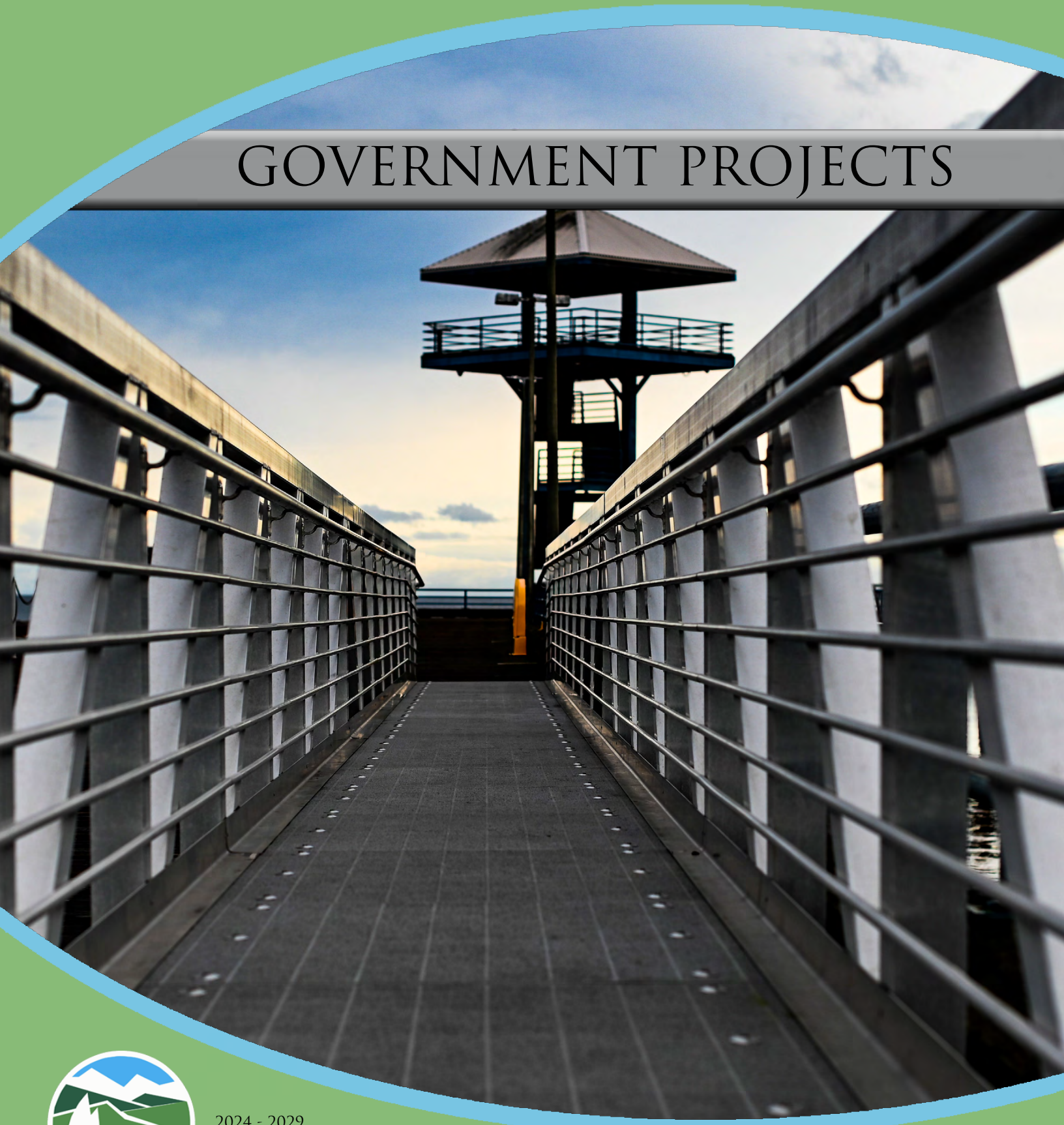
- H Street Stormwater Outfall DR0213
- Stormwater Soils Decant Bays DR0120
- Lincoln Park/Big Boy Pond Study DR0804
- Park Avenue Outfall to Peabody Creek DR0322
- Francis Street Outfall Repair DR0215

Citywide Projects:

- Maintenance Capital Contribution CLCAP
- City/PUD Service Area Capital Needs
- Advanced Metering & Outage Management CL0222
- General Water Equipment CAPWT
- Water Facility Assessment WT0321
- General Wastewater Equipment CAPWW
- Wastewater Comprehensive Plan WW0319
- Wastewater Facility Assessment WW0121
- 2022 Neighborhood Sewer Rehabilitation WW1122
- Solid Waste Facility Assessment SW0221
- Stormwater Facility Assessment DR0121

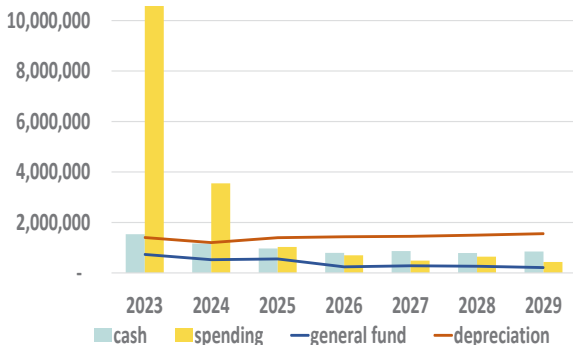


GOVERNMENT PROJECTS



GENERAL GOVERNMENT PROJECTS

CFP YEAR: 2024 - 2029
MANAGER: NATHAN WEST
CONTACT: NWEST@CITYOFPA.US
PHONE: 360-417-4500



GENERAL FUND GOALS AND OBJECTIVES:
The goal of general governmental projects is to replace, maintain and improve facilities and shared properties with Economic Development possibilities. The improvement of public safety facilities and equipment is also included in these projects.

FUNDING SOURCES	PRIOR YEARS	Budget 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utility Reserves	$ 1,596,000	$ 3,468,600	$ 60,500	$ 60,500	$ 60,500	$ 60,500	$ 60,500	$ 60,500
Grants	175,000	4,000,000	2,295,000	-	-	-	25,000	-
General Fund Reserves	1,757,100	732,000	526,200	551,700	240,700	282,700	263,700	211,700
Donations/Insurance	206,400	390,000	-	-	-	-	-	-
Other Funds (REET/Lodging tax)	2,019,700	371,500	294,300	219,300	219,300	219,300	219,300	219,300
TOTAL	**$ 5,754,200**	**$ 8,962,100**	**$ 3,176,000**	**$ 831,500**	**$ 520,500**	**$ 562,500**	**$ 568,500**	**$ 491,500**

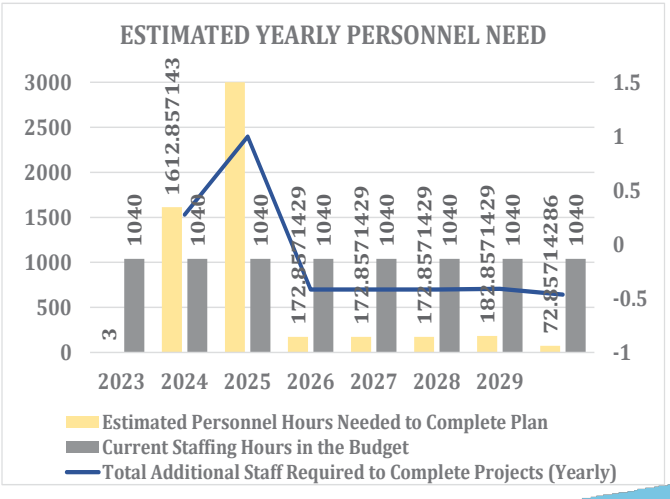
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	36,000	334,000	300,000	-	-	-	-	-
Construction	2,317,900	10,243,400	3,247,500	1,028,000	696,300	486,300	646,600	434,300
TOTAL	**$ 2,353,900**	**$ 10,577,400**	**$ 3,547,500**	**$ 1,028,000**	**$ 696,300**	**$ 486,300**	**$ 646,600**	**$ 434,300**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor	-	-	-					
Supplies	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Communications	-	-	-					
Depreciation	-	395,800	212,300	406,100	443,400	461,400	508,300	566,100
Other - explained on individual sheets	-	-	-					
TOTAL OTHER COSTS	**$ -**	**$ 396,800**	**$ 213,300**	**$ 407,100**	**$ 444,400**	**$ 462,400**	**$ 509,300**	**$ 567,100**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	1,613	3,115	173	173	173	183	73
Current Staffing Hours in the Budget	1,040	1,040	1,040	1,040	1,040	1,040	1,040
Difference	*573*	*2,075*	*(867)*	*(867)*	*(867)*	*(857)*	*(967)*
Total Additional Staff Required to Complete Projects (Yearly)	**0.3**	**1.0**	**(0.4)**	**(0.4)**	**(0.4)**	**(0.4)**	**(0.5)**

The current capital plan would not require any additional FTE's to complete when averaged; however, in years when large projects are included additional staffing will be needed for completion.



GENERAL GOVERNMENT PROJECT LIST

GENERAL GOVERNMENT CAPITAL PROJECTS Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
GENERAL GOVERNMENT/FACILITIES											
GG0303	NICE Funds	R	787,100	262,100	75,000	75,000	75,000	75,000	75,000	75,000	75,000
GG1113	Facility Security Projects	A	526,000	57,400	288,600	30,000	30,000	30,000	30,000	30,000	30,000
GG0121	Broadband Improvement Feasibility Study	9	50,000	-	50,000	-	-	-	-	-	-
GG0119	Ennis Creek Fish Barrier Removal	10	1,400,000	-	-	300,000	-	-	-	-	-
GG0416	City Hall Fire Detection System	3	150,000	-	-	150,000	-	-	-	-	-
GG0516	Senior Center Fire Detection System	2	125,000	-	-	125,000	-	-	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	2,110,900	-	-	-	-	-	-	-	-
PUBLIC SAFETY											
FD0415	Fire Department Turn-Out Gear	R	320,600	160,300	-	-	-	-	-	160,300	-
FD0615	Fire Hoses	R	91,500	21,000	14,000	7,500	9,000	10,000	10,000	10,000	10,000
FD0218	Self Contained Breathing Apparatus	R	250,000	-	-	-	-	250,000	-	-	-
CAPPC	Pencom Capital	R	601,500	251,500	50,000	50,000	50,000	50,000	50,000	50,000	50,000
PD0307	Police Regional Training & Gun Range Facility	R	265,000	75,900	59,900	32,000	32,000	16,300	16,300	16,300	16,300
PD0116	Mobile Data Terminal Replacements	R	288,300	152,700	39,600	16,000	16,000	16,000	16,000	16,000	16,000
PD0120	Police Taser Replacements	A	256,600	61,400	25,200	13,000	37,000	-	40,000	40,000	40,000
PD0121	EOC/911 Dispatch (PenCom center)	A	7,000,000	116,900	6,883,100	-	-	-	-	-	-
FD0318	Emergency Management Pods	A	158,000	14,200	137,800	1,000	1,000	1,000	1,000	1,000	1,000
FD0315	Fire Station Garage Door Replacement	6	450,000	-	-	-	450,000	-	-	-	-
PD0122	Police Radio Replacement	R	140,000	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000
PD0123	PenCom ROIP Project	1	450,000	-	-	450,000	-	-	-	-	-
PD0223	Police Body Worn Cameras	R	260,000	-	-	52,000	52,000	52,000	52,000	52,000	-
FD0121	Westside Fire Station	UF	3,000,000	-	-	-	-	-	-	-	-
FD0120	Fire Station Front Driveway Repair	UF	130,000	-	-	-	-	-	-	-	-
FD0216	Fire Training Facility	UF	1,200,000	-	-	-	-	-	-	-	-
FD0316	Senior Center EOC Generator (Secondary City EOC)	UF	150,000	-	-	-	-	-	-	-	-
FD0416	Radio Transmittor Generator (I & 10th Streets)	UF	25,000	-	-	-	-	-	-	-	-
FD0123	SCBA Refill Compressor System	UF	103,000	-	-	-	-	-	-	-	-
PARKS AND RECREATION											
PK0216	Facility Improvement Revolving Fund	R	145,000	29,900	25,100	15,000	15,000	15,000	15,000	15,000	15,000
PK0205	Restroom Replacement Program	R	1,740,000	727,800	112,200	150,000	150,000	150,000	150,000	150,000	150,000
PK0418	Civic Field Upgrades	R	224,200	136,200	22,000	11,000	11,000	11,000	11,000	11,000	11,000
PK0819	City Pier Railing Replacement	A	755,000	30,800	724,200	-	-	-	-	-	-
PK0220	Synthetic Field Turf at Volunteer Field	A	750,000	36,000	714,000	-	-	-	-	-	-
PK0719	Parks Maintenance Building	A	706,500	174,400	532,100	-	-	-	-	-	-
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	A	400,000	45,400	354,600	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	A	130,000	-	50,000	-	80,000	-	-	-	-
PK0320	HVAC Upgrades at City Facilities	4	2,150,000	-	150,000	2,000,000	-	-	-	-	-
PK0122	Erickson Playfield Tennis Court Improvement	7	220,000	-	220,000	-	-	-	-	-	-
PK0222	OVC Columbarium Expansion	5	50,000	-	-	50,000	-	-	-	-	-
PK0123	Elks Pickleball Court Improvements	8	30,000	-	30,000	-	-	-	-	-	-
PK0223	Aluminum Bleacher Upgrades	UF	100,000	-	-	-	-	-	-	-	-
PK0323	Senior Center Front Door Replacement	UF	45,000	-	-	-	-	-	-	-	-
PK0319	City Pier Inspection Repairs	UF	1,000,000	-	-	-	-	-	-	-	-
PK0406	Shane & Elks Field Lighting	UF	1,000,000	-	-	-	-	-	-	-	-
PK0420	Ediz Hook Boat Launch Repairs	UF	1,500,000	-	-	-	-	-	-	-	-
PK0802	Neighborhood Park Development	UF	-	-	-	-	-	-	-	-	-
Total			**31,234,200**	**2,353,900**	**10,577,400**	**3,547,500**	**1,028,000**	**696,300**	**486,300**	**646,600**	**434,300**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

GENERAL GOVERNMENT CASH FLOW

CASH FLOW ANALYSIS	2023	2024	2025	2026	2027	2028	2029
Beginning balance	3,151,702	1,536,402	1,164,902	968,402	792,602	868,802	790,702
Funding sources:							
Utilities	3,468,600	60,500	60,500	60,500	60,500	60,500	60,500
Grants	4,000,000	2,295,000	-	-	-	25,000	-
General Fund Funding	732,000	526,200	551,700	240,700	282,700	263,700	211,700
Donations	390,000	-	-	-	-	-	-
Other Funds	371,500	294,300	219,300	219,300	219,300	219,300	219,300
Spending:							
Capital Investment	(10,577,400)	(3,547,500)	(1,028,000)	(696,300)	(486,300)	(646,600)	(434,300)
Ending Cash Balance	**1,536,402**	**1,164,902**	**968,402**	**792,602**	**868,802**	**790,702**	**847,902**

Projected Depreciation	**1,402,816**	**1,201,697**	**1,395,518**	**1,432,803**	**1,450,761**	**1,497,719**	**1,555,451**
Cash to depreciation ratio	**1.10**	**0.97**	**0.69**	**0.55**	**0.60**	**0.53**	**0.55**

Financial policy allows for the use of excess cash held in governmental accounts to be used for capital improvements. The funds shown here are those which have been moved from the operating fund balances and are intended for specific projects or activities listed in the CFP.

PROJECTS COMPLETED IN 2022		ACTUAL	BUDGET
PD0116	Mobile Data Terminal Replacements	21,088	18,800
PD0307	Police Regional Training & Gun Range Facility	4,145	32,000
PD0119	Computer Aided Dispatch	136,522	145,100
FD0615	Fire Hoses	4,698	6,100
FD0318	Emergency Mgmt Pods	13,147	100,000
PD0120	Police Taser Replacement	48,307	40,300
PD0222	Pencom Radio/Phone Traffic Recording	33,925	31,500
PD0322	Pencom 911 Phone Equipment	178,652	153,000
TOTAL COMPLETED PROJECTS		**440,483**	**526,800**

The Budget reflects all council approved spending. CFP costs do not include internal labor which is budgeted under fund level salaries in operating budgets.



New Improvements for Community Enhancement (NICE) Funds

GG0303

Project Status: Revolving
Present Condition: Excellent
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Shannen Cartmel
Estimated Life: 30 Years

ABOUT THE PROJECT:

New Improvements for Community Enhancement of Neighborhoods (NICE) is a tool enabled by City Council Resolution No 5-04 to fund public infrastructure improvements to electric, water, wastewater, stormwater, or streets to stimulate economic development, affordable housing and community reinvestment. The concept is that capital infrastructure improvements add value to adjacent property and stimulate private sector investment and redevelopment to upgrade a neighborhood and increase the tax base for overall revenue generation of the community. This is a revolving program, if a specific economic development need is not addressed each year the fund will accumulate for future projects. These funds are transferred to other funds/ divisions for viable projects which enhance economic development and community reinvestment within the City, specifically in the City's residential or commercial districts that permit medium to high density residential development.

JUSTIFICATION:

The city can stimulate economic development, affordable housing and increase the tax base through strategic public capital investment in areas with high development potential. These capital improvements add value to adjacent property and stimulate private sector investment and redevelopment in order to upgrade the neighborhood and increase the tax base for overall revenue generation in the community. Specifically, this program can address the community's housing needs by supporting residential development in the City's residential or commercial districts that permit medium to high density residential development.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 1,045,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000
Grants								
Bonds								
General Fund	230,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance Reim.								
Other								
TOTAL	**$ 1,275,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	262,100	75,000	75,000	75,000	75,000	75,000	75,000	75,000
TOTAL	**$ 262,100**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**	**$ 75,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,800,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

PROJECT STATUS: ACTIVE
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE: 48.114363, -123.432072
PROJECT MANAGER: COREY DELIKAT
ESTIMATED LIFE: 30 YEARS

ABOUT THE PROJECT:

In 2016, the City created a Security Sub-Committee to look at improving the security of City owned facilities. Many improvements have been made, but additional projects need to be completed. Funding of this CFP project will allow the City to install a proximity card key less entry system, facility gate improvements, as well as replacing/adding cameras to our facilities. Recently, the City did a renovation to the entrance of City Hall, between the Finance counter and the Economic Development station, that secured citizens from walking into City Hall without authorization. The City is now looking to improve other security measures in our public spaces and facilities, including key-less entry into our facilities.

JUSTIFICATION:

Security of our City owned facilities is a priority of the Leadership Team to ensure the safety of our employees and the public who utilize our buildings. Not funding this project will limit our ability to continue to improve on the safety elements needed at our facilities.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 183,600							
Grants								
Bonds								
General Fund	132,400	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Donations/Insurance Reim.								
Other								
TOTAL	**$ 316,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	57,400	288,600	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL	**$ 57,400**	**$ 288,600**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $526,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

Broadband Improvement Feasibility Study GG0121

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Mike Healy
Estimated Life: 10 Years

ABOUT THE PROJECT:

Examine the current and future needs of the residents and businesses in the City limits of Port Angeles to develop a plan to identify level of service improvement goals, infrastructure improvement needs, funding analysis, and Public/Private partnership opportunities.

JUSTIFICATION:

As the City looks to increase the level of service for broadband within the city of Port Angeles, Council directed staff to evaluate and plan for improvement that can define, scope, and pursue improved broadband service. This project will allow the City to start identifying different paths to achieve an increased level of service.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	50,000							
Donations/Insurance Reim.								
Other								
TOTAL	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		50,000						
TOTAL	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $50,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Ennis Creek Fish Barrier Removal GG0119

Project Status: Pre-Planning
Present Condition: Poor
Latitude / Longitude: 48.107893, -123.399054
Project Manager: Shannen Cartmel/Jonathan Boehme
Estimated Life: 40 Years

ABOUT THE PROJECT:

This project will remove the two downstream-most fish passage barriers on Ennis Creek. Worksite 1 is a culvert at River Mile 0.5, where Ennis Creek crosses Ennis Creek Road. The existing double concrete culverts under Ennis Creek Road will be replaced with either a bridge, wide concrete box or arch culvert. Work site 2 is a surface water drop created by the City of Port Angeles sewer force main (installed in 1969) that was encased in concrete and is now exposed across the entire width of Ennis Creek. The main was taken out of service in September 2016 when the City's Combined Sewer Overflow (CSO) Reduction project was placed in service. It is located immediately downstream of the concrete Olympic Discovery Trail bridge, constructed for the CSO Project, that conveys the new sewer force mains across Ennis Creek. The City has been applied for a Brian Abbott Fish Barrier Removal grant for design in the amount of $255,000 with a $45,000 match requirement. Construction is unfunded and estimated at $1.1 million.

JUSTIFICATION:

The Ennis Creek Fish Barrier Removal Project will remove the first and second barriers to 7.7 square miles of drainage area and 5.4 miles of Ennis Creek. One upstream barrier remains, at the stream crossing at Highway 101. The Ennis Creek watershed was ranked as the 14th priority watershed and the system priority is listed as Medium. Ennis Creek is located in Watershed Resource Inventory Area (WRIA) 18. Ennis Creek is the one of the least disturbed of the 5 independent urban drainages. It has the largest undisturbed upper watershed with snow-fed headwaters in the Olympic National Park, the least development, a wide diversity of existing native fish stocks and a high potential for restoration.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants			255,000					
Bonds								
General Fund		45,000						
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 45,000**	**$ 255,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			300,000					
TOTAL	**$ 0**	**$ 0**	**$ 300,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,400,000 **Estimated Total Design Cost: $300,000**

Estimated Personnel Hours for Project: 2,912 **Estimated Personnel Costs for Project: $196,000**

City Hall Fire Detection System GG0416

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Derrell Sharp
Estimated Life: 30 Years

ABOUT THE PROJECT:

Replacement of the City Hall fire alarm system panel and all associated initiating and notification devices.

JUSTIFICATION:

The current system is outdated, it is not addressable and it is no longer supported by the manufacturer. Through research it was determined that the Warf Mall Fire Detection System upgrade permit in 2022 listed a cost of $175,000. Though not as complex as the Warf Mall, City Hall Fire Detection System upgrade is estimated to be around $150,000. Staff estimates a reasonable estimate is $100,000 for ground floor and $25,000 to $50,000 for second floor installation.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET 2	75,000		75,000					
TOTAL	**$ 75,000**	**$ 0**	**$ 75,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			150,000					
TOTAL	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $150,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 20 **Estimated Personnel Costs for Project: $1,330**

Senior Center Fire Detection System GG0516

Project Status: Design
Present Condition: Fair
Latitude / Longitude: 48.11142, -123.433369
Project Manager: Derrell Sharp
Estimated Life: 30 Years

ABOUT THE PROJECT:

Replacement of the Senior Center fire alarm system panel and all associated initiating and notification devices.

JUSTIFICATION:

The current system is outdated, it is not addressable and it is no longer supported by the manufacturer. Through research it was determined that the Warf Mall Fire Detection System upgrade permit in 2022 listed a cost of $175,000. Though not as complex as the Warf Mall, the Senior Center Fire Detection System upgrade is estimated to be around $125,000.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other	50,000		75,000					
TOTAL	**$ 50,000**	**$ 0**	**$ 75,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			125,000					
TOTAL	**$ 0**	**$ 0**	**$ 125,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $125,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 10 **Estimated Personnel Costs for Project: $665**

GENERAL GOVERNMENT/FACILITIES UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Valley Creek Restoration Phase III — GG0916

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.117574, -123.442326
Project Manager: Shannen Cartmel/Jonathan Boehme
Estimated Life: 50 Years
Estimated Total Project Cost: $2,110,900

About The Project:

In 2010, the City of Port Angeles, with Salmon Recovery Funding Board (SRFB) funding, hired Waterfall Engineering to develop a design for Phase III of the Valley Creek restoration. The restoration design improves a channelized and culverted portion of Valley Creek, located adjacent to and under Valley Street between 2nd St. and 9th St. The improvements include 1,500 feet of remeandered channel at the southern end of the project stream reach, removal of the steepest section of culvert between 5th St. and 6th St and replacing it with 400 feet of meandering stream, installation of a new 135 foot long arch culvert segment to improve passage conditions at the culvert inlet, and installation of baffles to improve fishway passage in the remaining 1,750 foot long culvert. The design was completed in 2011 and includes detailed drawings, a project manual with specifications, cost estimates, and complete local and state permit application forms. The project is now construction ready.

The project includes fish passage improvements in the culvert and at the culvert inlet, connection with a constructed wetland (built in conjunction with the 8th Street bridge replacement project), a wider riparian zone with new vegetation, increased stream length due to the new meander, and improved geomorphology due to installation of large woody debris and rock. These changes will also result in reduced maintenance costs associated with flooding, erosion and debris removal from the culvert trash rack. In 2016, the Fish Passage Barrier Removal Board staff vetted the design and confirmed that there are no total fish passage barriers downstream; specifically, an irregular section of the long culvert under Marine Drive is back watered at high tide.

Completion of this project segment will result in a fish passable stream from the Valley Creek estuary south to the Highway 101 culvert (Valley Creek Restoration Phase I) and beyond. Valley Creek Restoration Phase II improved instream and riparian habitat between the Highway 101 culvert and the Valley Creek Restoration Phase III reach. The Valley Creek watershed was ranked as the 14th priority watershed and the system priority is listed as Medium. Valley Creek is located in Water Resource Inventory Area (WRIA) 18. This includes design and permitting updates, construction, construction management, and riparian plantings.

Justification:

The project as designed will improve fish habitat and passage, biological processes, riparian restoration, wetland and floodplain enhancement, channel conditions including erosion of an adjacent road prism into the creek.

Fire Department Turn-out Gear FD0415

Project Status: Revolving
Present Condition: Good
Latitude / Longitude: 48.115099, -123.436434
Project Manager: Derrell Sharp
Estimated Life: 8 Years

ABOUT THE PROJECT:

Current Fire Suppression PPE (Turn-Out Gear) is now $5,400.00 per employee. The industry saw a 20% price increase in 2022 for Turn-Out gear. Current Turn-Out Gear was obtained through grant funding, costing well over $100,000. The Fire Department will continue to pursue grant funding for replacement, however it is prudent to have a fund that allows for the replacement of several sets of gear on an ongoing basis. Turn-Out Gear has a 10 year shelf life. Due to call volume and training activities 8 years is a more realistic service life for Turn-Out Gear. The next bulk purchase is scheduled for 2028. We are looking at replacing 45 sets of Turn-Out Gear in 2028.

JUSTIFICATION:

Turn-out gear is essential safety equipment that is closely regulated by national standards. These critical protective gear items are a requirement for fire fighting. Per national standards, turnout gear has a finite life regardless of wear and tear.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants	23,300						25,000	
Bonds								
General Fund	122,500	24,000	29,000	34,000	39,000	41,000	22,000	22,000
Donations/Insurance Reim.								
Medic 1	27,800	3,000	3,000	3,000	3,000	3,000	3,000	3,000
TOTAL	**$ 173,600**	**$ 27,000**	**$ 32,000**	**$ 37,000**	**$ 42,000**	**$ 44,000**	**$ 50,000**	**$ 25,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	160,300						160,300	
TOTAL	**$ 160,300**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 160,300**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $320,600 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 10 **Estimated Personnel Costs for Project: $665**

PROJECT STATUS: REVOLVING
PRESENT CONDITION: GOOD
LATITUDE / LONGITUDE: 48.115099, -123.436434
PROJECT MANAGER: DERRELL SHARP
ESTIMATED LIFE: 5 YEARS

ABOUT THE PROJECT:

Replace fire hoses of various sizes and shapes, and set up a replacement fund for future needs.

JUSTIFICATION:

The hoses in use were last replaced in 2004 and have been subject to extreme wear and tear. During our annual hose testing in 2022 several large diameter hoses failed the service test. The company that conducts the annual hose testing indicated that our current supply hoses (5" and 2.5") are showing signs of delamination which make them prone to failure. These need to be replaced to maintain optimum fire suppression capabilities. Currently we have approximately 3,000 feet of 5" hose that is at or near its end of service life. There is approximately 2000 feet of 2.5" hose at or near its end of service life.

Pricing for Fire Suppression hose and the need to implement an aggressive replacement plan for the larger diameter supply hoses has caused cost increases for replacements. We were able to purchase 2000 feet of used 1.75" hose last year for $500.00 (Central Pierce Fire and Rescue) that was manufactured in 2016 but have been unable to acquire used large diameter supply line. Fire hose failures can result in injuries and property loss.

Current Cost breakdown:

- 5" Supply Lines are now $960.00 per 100 foot section
- 2.5" hose is now $255.00 per 50 foot section
- 1.75" hose is now $225.00 per 50 foot section
- 1.5" hose is now $220.00 per 100 foot section
- 1" hose is now $205.00 per 100 foot section

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other	30,000	5,000	7,500	9,000	10,000	10,000	10,000	10,000
TOTAL	**$ 30,000**	**$ 5,000**	**$ 7,500**	**$ 9,000**	**$ 10,000**	**$ 10,000**	**$ 10,000**	**$ 10,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	21,000	14,000	7,500	9,000	10,000	10,000	10,000	10,000
TOTAL	**$ 21,000**	**$ 14,000**	**$ 7,500**	**$ 9,000**	**$ 10,000**	**$ 10,000**	**$ 10,000**	**$ 10,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $91,500 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 10 **Estimated Personnel Costs for Project: $665**

Self Contained Breathing Apparatus FD0218

Project Status: Revolving
Present Condition: Good
Latitude / Longitude: 48.115276, -123.436341
Project Manager: Derrell Sharp
Estimated Life: 10 Years

ABOUT THE PROJECT:

Self-contained breathing apparatus (SCBA) is equipment that firefighters use in order to operate in atmospheres that can be immediately dangerous to life or health. The technology for this equipment is constantly being upgraded and improved. National standards require that fire departments utilize SCBA that is compatible with updated safety standards, which drives the need to replace this on a fairly regular basis. When SCBA equipment is replaced, it must all be replaced at the same time so that compatibility is maintained. It is expected that they will need to be replaced by 2026.

JUSTIFICATION:

SCBA is expensive equipment. When it is replaced, all of the units must be replaced at the same time. The fire department has been fortunate enough to do this in the past through federal grant funding. Since grant funding is never guaranteed, the department needs to establish a revolving savings fund in order to ensure that enough money will be available for the next replacement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other	121,200	32,200	32,200	32,200	32,200	32,200	32,200	32,200
TOTAL	**$ 121,200**	**$ 32,200**	**$ 32,200**	**$ 32,200**	**$ 32,200**	**$ 32,200**	**$ 32,200**	**$ 32,200**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					250,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $250,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

PROJECT STATUS: REVOLVING
PRESENT CONDITION: GOOD
LATITUDE / LONGITUDE: 48.114363, -123.432072
PROJECT MANAGER: BRIAN SMITH
ESTIMATED LIFE: 25 YEARS

ABOUT THE PROJECT:

This project is for the purchase of various equipment items that have a value exceeding $7,500, and will therefore be capitalized. The purchases are reimbursed through the 1/10 of 1.0% the emergency 911 tax held at the County for PenCom capital projects.

JUSTIFICATION:

Upgrading the PenCom equipment allows for operating efficiency.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
PenCom	251,500	50,000	50,000	50,000	50,000	50,000	50,000	50,000
TOTAL	**$ 251,500**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	251,500	50,000	50,000	50,000	50,000	50,000	50,000	50,000
TOTAL	**$ 251,500**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $601,500 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Police Regional Training & Gun Range Facility

PD0307

Project Status: Revolving
Present Condition: Excellent
Latitude / Longitude: 48.131227, -123.515976
Project Manager: Brian Smith/Corey Delikat
Estimated Life: 25 Years

ABOUT THE PROJECT:

The Gun Range at the Regional Transfer Station was built in the early 1990's. Since construction, very little upgrades have been done to protect this City asset. During a recent walk through, it was identified that heating upgrades, mold removal, plumbing repairs, and other maintenance items needed to be completed. Additionally, the existing training building is approximately 28 years old and will need a new roof and interior repairs to include upgrades to HVAC and restroom facilities within the next 2 years as well as upgrades of some exterior training elements. Funding will primarily come from user fees collected from entities using this facility.

JUSTIFICATION:

The current firearms training facility requires maintenance and lifecycle replacements. This project will lower maintenance and provide a safe training environment. To preserve this regional asset, funding to this facility is necessary for upgrades. This facility is used not only by the City but also the County, Coast Guard, Tribe, and Border Patrol.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	7,300							
Donations/Insurance Reim.								
Other	158,400	16,300	16,300	16,300	16,300	16,300	16,300	16,300
TOTAL	**$ 165,700**	**$ 16,300**	**$ 16,300**	**$ 16,300**	**$ 16,300**	**$ 16,300**	**$ 16,300**	**$ 16,300**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	75,900	59,900	32,000	32,000	16,300	16,300	16,300	16,300
TOTAL	**$ 75,900**	**$ 59,900**	**$ 32,000**	**$ 32,000**	**$ 16,300**	**$ 16,300**	**$ 16,300**	**$ 16,300**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $265,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Mobile Data Terminal Replacements PD0116

Project Status: Revolving
Present Condition: Good
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Brian Smith
Estimated Life: 7 Years

About the Project:

Replacement of in-car laptops. This project is no longer grant funded. There had been a partial match through Stonegarden (FEMA). This program allows for three or four replacements per year.

Justification:

Computer equipment upgrades need to be up-to-date.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants	151,700							
Bonds								
General Fund	24,600	16,000	16,000	16,000	16,000	16,000	16,000	16,000
Donations/Insurance Reim.								
Other								
TOTAL	**$ 176,300**	**$ 16,000**	**$ 16,000**	**$ 16,000**	**$ 16,000**	**$ 16,000**	**$ 16,000**	**$ 16,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	152,700	39,600	16,000	16,000	16,000	16,000	16,000	16,000
TOTAL	**$ 152,700**	**$ 39,600**	**$ 16,000**	**$ 16,000**	**$ 16,000**	**$ 16,000**	**$ 16,000**	**$ 16,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $288,300 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Police Taser Replacements PD0120

Project Status: Active
Present Condition: Good
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Brian Smith
Estimated Life: 7 Years

About the Project:

The Police Department taser devices will become obsolete and reach end of their life (not supported by the manufacturer) by 2025. The Police Department has replaced the Taser X model devices with an upgraded platform over 4 years. Once the upgrade is complete this project will become revolving with funding transferred each year to support the replacement of tasers on a 7 year cycle. This CFP started as a complete replacement to the Taser 7 in 2021. In 2027 we will need to start the replacement transition to the Taser 10. We will likely receive some kind of financial credit for our Taser 7s and we move into the Taser 10.

Justification:

The Taser is a key part of the Police equipment and force options available to officers. There has been considerable product development in the last 5 years. Our current Taser 7 will not be supported some time in the late 2020's and will be replaced by the Taser 10.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other	53,400	33,200	13,000	37,000		40,000	40,000	40,000
TOTAL	**$ 53,400**	**$ 33,200**	**$ 13,000**	**$ 37,000**	**$ 0**	**$ 40,000**	**$ 40,000**	**$ 40,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	61,400	25,200	13,000	37,000		40,000	40,000	40,000
TOTAL	**$ 61,400**	**$ 25,200**	**$ 13,000**	**$ 37,000**	**$ 0**	**$ 40,000**	**$ 40,000**	**$ 40,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $256,600 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

EOC/911 Dispatch (PenCom Center) PD0121

Project Status: Active
Present Condition: Poor
Latitude / Longitude: Unknown
Project Manager: Brian Smith
Estimated Life: 50 Years

ABOUT THE PROJECT:

The City and the County have identified a need to provide a joint Emergency Operations Center (EOC) and a modern 911 dispatch center. Both the Board of County Commissioners and the City Council have agreed that the EOC is a regional priority and have authorized staff to pursue options for either the retrofit of an existing building or the construction of a new building to house a joint EOC and 911 Center. Combining the EOC and 911 dispatch center will allow for economies of scale on shared resources, such as restrooms, showers and kitchen facilities. The total cost of the project will depend upon the option chosen. This project will incorporate an IT component with purchase of, upgrading to and modifications of EOC and 911 Center Operational equipment in support of activities to include backup communications and secondary pathways. The total IT portion of this project is projected at $240,000.

The total project cost is estimated at $10 million, $5 million for the EOC that will be paid for by the County and $5 million for the 911 Center to be paid for by the city. The PenCom capital fund will contribute $2.0 million, and the rest of the funding will come from State and/or Federal grants.

JUSTIFICATION:

Emergency management and 911 dispatch during a disaster is a critical operation. Current EOC and 911 dispatch facilities are not suitable for sustained emergency operations. The current communication room is located at the fire department and has been expanded to all for EOC communication equipment, emergency phone system communications and data servers localized operation within the building. With the planned addition of significant hardware and software assets, controlled heating/cooling and fire suppression capabilities are required. Additional emergency power and battery backup capabilities will need to be provided. The current 911 operation is housed in the police department and is inadequately sized to meet future demands. The facility is also located in an area that is not expected to survive a significant earthquake.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants		3,500,000						
Bonds								
General Fund								
Donations/Insurance Reim.								
PenCom	116,900	3,383,100						
TOTAL	**$ 116,900**	**$ 6,883,100**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	116,900	6,883,100						
TOTAL	**$ 116,900**	**$ 6,883,100**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $7,000,000 **Estimated Total Design Cost: $1,900,000**

Estimated Personnel Hours for Project: **Estimated Personnel Costs for Project:**

Emergency Management Pods FD0318

Project Status: Planning
Present Condition: Good
Latitude / Longitude: 48.115099, -123.436434
Project Manager: Derrell Sharp
Estimated Life: 50 Years

ABOUT THE PROJECT:

In order for the City government to continue to operate following an emergency that compromises City facilities, emergency equipment and supplies need to be pre-staged in various locations. These supplies will be stored in secure, weatherproof caches (pods). Pods will be equipped with communications equipment, data storage, power generation capability, shelters, food, water and supplies. Each pod will cost approximately $50,000. It is recommended that at least three pods be staged.

JUSTIFICATION:

The community has an expectation that the City government will continue to operate relatively soon after a disaster or if City facilities are compromised. In order to enable this continuation of operations, alternate City facilities need to be prepared and emergency equipment needs to be pre-staged.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 51,000	$ 25,500	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500
Grants								
Bonds								
General Fund	51,000	25,500	500	500	500	500	500	500
Donations/Insurance Reim.								
Other								
TOTAL	**$ 102,000**	**$ 51,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	13,200	136,800						
TOTAL	**$ 13,200**	**$ 136,800**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
TOTAL OTHER COSTS	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**	**$ 1,000**

Estimated Total Project Cost: $158,000
Estimated Total Design Cost: None
Estimated Personnel Hours for Project: 40
Estimated Personnel Costs for Project: $2,660

Fire Station Garage Door Replacement FD0315

Project Status: Planning
Present Condition: Good
Latitude / Longitude: 48.115099, -123.436434
Project Manager: Derrell Sharp
Estimated Life: 30 Years

About the Project:

Replacement of garage doors at the Fire Station.

Justification:

The bay doors in the Fire Station are critical pieces of equipment. Fire and EMS equipment must be able to exit the Station without delay. Currently the bay doors are too heavy for the repeated use to which they are subjected. Settling of the building may have caused the issue. The doors are failing at increasing rates and require more attention than is prudent. Technicians have recommended that the doors be replaced with lighter doors and the hardware be replaced with industrial strength equipment.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	50,000		200,000	200,000				
Donations/Insurance Reim.								
Other								
TOTAL	**$ 50,000**	**$ 0**	**$ 200,000**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				450,000				
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 450,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $450,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Police Radio Replacement PD0122

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Brian Smith
Estimated Life: 10 Years

About the Project:

The Police Department radios will become obsolete and reach end of their life (not supported by the manufacturer) by 2025. The Police Department will replace the Radios with an upgraded platform over the next 7 years. Once the upgrade is complete this project will become revolving with funding transferred each year to support the replacement of radios on a 10 year cycle.

Justification:

The Radio is a key part of the Police equipment and force options available to officers.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other		20,000	20,000	20,000	20,000	20,000	20,000	20,000
TOTAL	**$ 0**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		20,000	20,000	20,000	20,000	20,000	20,000	20,000
TOTAL	**$ 0**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $140,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

PROJECT STATUS: ACTIVE
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.114363, -123.432072
PROJECT MANAGER: KARL HATTON
ESTIMATED LIFE: 10 YEARS

ABOUT THE PROJECT:

We need to replace deprecated radio equipment within the 9-1-1 center. Currently we are utilizing Motorola radio equipment that requires parts and maintenance that are difficult to procure. This project replaces our radio equipment with state-of-the-art RoIP radio infrastructure to support dispatch of our seventeen user agencies.

JUSTIFICATION:

The current radio hardware within PenCom is decades old, parts are no longer available, and our technician does "home-made" repairs as necessary to keep it operational. This project brings state-of-the-art Radio over Internet Protocol hardware and software into the center that will replace all old radio equipment both at the console and in our radio back-room. This also provides us with the capability of finishing the interoperability project with JeffCom. We currently have CAD linked as a single technology, 9-1-1 phone switching and now we will be able to talk and page on each other's radio frequencies as back up for each center. We have identified a vendor that both agencies are happy with. The cost will be approximately $450,000. We are waiting for final numbers and suspect that it will come in less than this as a joint project with JeffCom.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
PenCom			450,000					
TOTAL	**$ 0**	**$ 0**	**$ 450,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			450,000					
TOTAL	**$ 0**	**$ 0**	**$ 450,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $450,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Police Body Worn Cameras PD0223

Project Status: Revolving
Present Condition: Poor
Latitude / Longitude:
Project Manager: Brian Smith
Estimated Life: 5-10 Years

ABOUT THE PROJECT:

Body worn camera deployment for 35 sworn law enforcement. This includes hardware, software and data storage services.

JUSTIFICATION:

The current legal and legislative environment provides considerable risk to Washington law enforcement officers and to the cities and counties that employ them. The equipping of officers with a robust body worn cameras and employing a robust system that takes into account the Public Records requirements has become a statewide expectation. The benefits include increased officer safety, reduced City liability and increased success in the prosecution of criminal cases.

The available OPIOD settlement money and potential for recurring US DOJ grants may provide much or all of the revenue. We are working through our due diligence to determine which of the two primary vendors are the most suitable. Sequim PD is in the process of deploying a system and is the Clallam Sheriff. Port Townsend PD has a system in place. The Legislature in the last 3 sessions has had proposed bills that would have funded part or all of a body worn system. There was also interest in mandating body worn cameras without providing any funding, though that desire did not find its way into a bill.

PAPD has been awarded a $40,000 WASPC grant that can pay the costs for much of year 1. The products offered are much like Taser in that it will be a 5-year contract to provide 35 cameras, hardware, software and data storage up front and paid for yearly for 5 years.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants			40,000					
Bonds								
General Fund			12,000	52,000	52,000	52,000	52,000	
Donations/Insurance Reim.								
Transportation Benefit District								
TOTAL	**$ 0**	**$ 0**	**$ 52,000**	**$ 52,000**	**$ 52,000**	**$ 52,000**	**$ 52,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			52,000	52,000	52,000	52,000	52,000	
TOTAL	**$ 0**	**$ 0**	**$ 52,000**	**$ 52,000**	**$ 52,000**	**$ 52,000**	**$ 52,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $260,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 500 **Estimated Personnel Costs for Project: $25,000**

PUBLIC SAFETY UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Westside Fire Station — FD0121

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: Unknown
Project Manager: Derrell Sharp
Estimated Life: 50 Years
Estimated Total Project Cost: $3,000,000

About The Project:
The City has identified a need for a west-side fire station. As the City expands, response time on the western edge of town suffers due to the layout and access points within the City. A fire station on the west side of town will improve response times to our citizens. The Westside fire station is estimated to be $3.0 million funded by the City as of 2021.

Justification:
The addition of a westside fire station will improve response times.

Fire Station Front Driveway Repair FD0120

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.115099, -123.436434
Project Manager: Derrell Sharp
Estimated Life: 30 years
Estimated Total Project Cost: $130,000

About The Project:

The front concrete driveway of the fire station is cracking and subsiding. The drainage channel is also cracking and the portion between the sidewalk and the street is also cracking. The entire driveway, drainage system and sidewalk will need to be replaced, and the slope of the driveway will need to be adjusted to accommodate the heavy use by emergency vehicles.

In addition, portions of the rear entrance pavement are subsiding and depressions are beginning to form.

An estimate of the front driveway apron as of March 2023 is outlined below:

Driveway Apron Estimate			
	Qty	**Unit cost**	**Total**
Driveway Approach	320.33	120	$38,440.00
Curb/ Gutter	200.00	80	$16,000.00
Roadway X	106.78	25	$2,669.44
CSBC	35.59	60	$2,135.56
HMA	10.00	300	$3,000.00
Erosion/Spill Control			$5,000.00
Minor Change			$10,000.00
Traffic Control			$5,000.00
Sub Total			$82,245.00
Estimating Markup 40%			$32,898.00
Tax			$7,237.56
Survey/ Design			$6,000.00
Total			**$128,380.56**

Justification:

The fire station is an essential facility and it must be maintained so that emergency vehicles have the ability to enter and exit without issue. Additionally, the cracking concrete and settling is presenting an increased potential for trip and fall hazard. Over the course of the last year, several drainage grates have been popped out of position by vehicles responding to emergencies. This has left wide (6-10 inch) gaps in the drainage channel on the front apron near the public sidewalk. These openings have the potential for passerby's to step into the drainage channel or for a front wheel of a child's bicycle to get caught in the opening. The recommended repair includes eliminating the drainage channel and grate covering completely.

Fire Training Facility FD0216

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.115099, -123.436434
Project Manager: Derrell Sharp
Estimated Life: 50 years
Estimated Total Project Cost: $1,200,000

About The Project:
Build a PAFD/PAPD joint training. facility. Facility would be placed upon land already owned by the City.

Justification:
With the large number of retirements over the last five years the Port Angeles Fire Department has a very young workforce with an average of 4.2 years of service. Building a joint training facility would enable the Port Angeles Fire Department to efficiently develop skills competencies and effectively increase the knowledge and experience of its young workforce. A designated training facility within the City of Port Angeles would allow on duty crews the ability to obtain mastery in high-risk/low frequency skills and procedures. As an all-hazards department the technical skills proficiency expected of our personnel extend far beyond fire extinguihing, search and rescue, vehicle extrication and forcible entry. A well-designed training facility would enable the Port Angeles Fire Department to regularly engage in scenario-based evolutions conducive to the needs of an all hazards department (i.e. Hazardous Materials response, Active Shooter/Hostile event response, multi-story/multi-family residential response, confined space and technical rescue response). Additionally, a four-story training facility could qualify the Port Angeles Fire Department for additional WSRB training credits.

A joint public safety training facility would provide PAPD officers with the ability to practice room clearing, serving of felony search warrants, responses to hostage and standoff scenarios. Additionally, a designated training facility would enable PAFD and PAPD to routinely practice responses to Active Shooter/Hostile Events as a Rescue Task Force.

Senior Center EOC Generator (Secondary City EOC) FD0316

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.115099, -123.436434
Project Manager: Derrell Sharp
Estimated Life: 20 years
Estimated Total Project Cost: $150,000

About The Project:
Provide a new generator at the Senior Center to serve full requirements of the Emergency Operations Center backup for the City as designated under the Continuity of Operations Plan (COOP).

Justification:
This backup EOC command center location cannot function without a generator.

Radio Transmitter Generator (I & 10th St) FD0416

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.12355, -123.47064
Project Manager: Derrell Sharp
Estimated Life: 25 years
Estimated Total Project Cost: $25,000

About The Project:
Add a multiple power source emergency generator to the transmitter tower.

Justification:
For many years the City has been dependent upon the County Sheriff's radio system (OPSCAN) for our primary communications links. We had no control over OPSCAN costs and we received very little benefit, especially when it came to maintenance and repairs. The City is one of a number of agencies that cut the OPSCAN cord last year. When that occurred the City became much more dependent upon the transmitter at 11th and E. That transmitter has never had an emergency power backup. Unfortunately, it is not quite as simple as bringing a generator up there and plugging it in. An automatic power transfer that switches over to the generator and then isolates the system from the grid will be needed. Since the generator will likely sit unused for long periods of time, it will need to be powered with propane. Diesel and gas fuels will spoil if they sit too long as a result a propane generator, a propane tank, and an automatic transfer switch will be needed. All of this needs to be permitted, mounted, installed and wired.

SCBA Refill Compressor System FD0123

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: Unknown
Project Manager: Derrell Sharp
Estimated Life: 20 years
Estimated Total Project Cost: $103,000

About The Project:

The current SCBA (Self Contained Breathing Apparatus) compressor manufactured in 2002 is nearing the end of its service life. The SCBA refilling compressor is an essential piece of equipment that enables firefighters to enter Immediately Dangerous to Life and Health atmospheres and breath non-contaminated clean air. The current SCBA compressor system is used to refill SCBA bottles at station 11 as well as refill the SCBA cascade filling station on Air 11 to enable on scene SCBA bottle refilling capabilities. Replacement of the compressor system prior to catastrophic failure would minimize interruptions to training and service delivery.

Justification:

The current SCBA compressor system is over 21 years old. Without a functioning SCBA compressor system PAFD would lack the ability to refill used SCBA bottles post training or incident response. Certified SCBA compressor technicians have indicated that the compressor and fill station are in need of replacement during routine maintenance or repair visits.



Facility Improvement Revolving Fund PK0216

Project Status: Revolving
Present Condition: Good
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

This maintenance account will create a funding source for aging City facilities by placing $15,000 into a revolving account annually. This will allow some flexibility to complete infrastructure projects on facilities. Projects would consist of repairing/replacing items such as roofing, electrical, parking lots, carpeting, HVAC, etc. The goal is to have these funds available for planned projects and/or emergency repairs.

JUSTIFICATION:

If not funded, we will continue to struggle to repair our infrastructure without having to take funds for emergency repairs out of the general fund reserves.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other	40,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
TOTAL	**$ 40,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	29,900	25,100	15,000	15,000	15,000	15,000	15,000	15,000
TOTAL	**$ 29,900**	**$ 25,100**	**$ 15,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**	**$ 15,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $145,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 0 **Estimated Personnel Costs for Project: $0**

Restroom Replacement Program PK0205

Project Status: Revolving
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

This project involves the replacement of the 50-60 year old concrete block public restrooms with prefabricated concrete restrooms and/or 24 hour restrooms that meet ADA requirements, are easy to maintain, and can withstand constant vandalism. These funds will replace the restrooms at Elks Playfield, Shane Park, Ediz Hook, Lincoln Park, and City Pier. Originally $150,000 was set aside in the CFP every two years to replace one restroom. In 2019, the City Council continued to make restroom replacement a priority and funded an additional $150,000 per year to fund a restroom replacement every other year. The next restroom that will be replaced is the one on Ediz Hook.

JUSTIFICATION:

The restroom facilities listed are between 50-60 years old and are no longer adequate for their intended use.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	690,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
TOTAL	**$ 690,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	727,800	112,200	150,000	150,000	150,000	150,000	150,000	150,000
TOTAL	**$ 727,800**	**$ 112,200**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,740,000 **Estimated Total Design Cost: $10,000**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

Civic Field Upgrades PK0418

Project Status: Revolving
Present Condition: Good
Latitude / Longitude: 48.110812, -123.419758
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

Civic Field is a multi-purpose sports/event stadium that has served the Port Angeles residents since 1940. It was remodeled to its current state in 1978. The facility also hosts recreation based football, baseball, soccer and community events. In 2010, the City hired Bruce Dee's Associates to provide detailed analysis of the deficiencies and upgrades needed to keep the facility safe and functional. Any funding within this CFP project will reflect those projects identified within that 2010 report. Recently the City completed the new ADA walkway improvement project. The City will continue to make improvements to the facility as funds/grants become available.

JUSTIFICATION:

Improvements on the above mentioned items will ensure a safe and productive environment to showcase Port Angeles athletic competitions and community events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	47,200	11,000	11,000	11,000	11,000	11,000	11,000	11,000
Donations/Insurance Reim.								
Lodging Tax	100,000							
TOTAL	**$ 147,200**	**$ 11,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	136,200	22,000	11,000	11,000	11,000	11,000	11,000	11,000
TOTAL	**$ 136,200**	**$ 22,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**	**$ 11,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $224,200 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: **Estimated Personnel Costs for Project:**

City Pier Railing Replacement PK0819

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.120989, -123.428029
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

The Port Angeles City Pier was built in the early 1970's and the City has been making an effort to improve its infrastructure to this facility over the last 6 years. Projects such as the Fire Suppression System Replacement, the new Transient Moorage Floats, an overall completed inspection of the pilings and updated load ratings are CFP projects that have been completed during this time-frame. The next CFP project includes the replacement of 1,300 linear feet of railing that surrounds the majority of the City Pier. Sections of rusted/rotted railing have been replaced over the years but it is now to the point that the entire railing needs to be replaced with a new railing system. Currently the City is in the process of finishing this project in June of 2023.

JUSTIFICATION:

If this project is not completed the City will continue to have safety concerns regarding the stability of the current railing system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	363,000							
Donations/Insurance Reim.								
REET	202,000	190,000						
TOTAL	**$ 565,000**	**$ 190,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	30,800	724,200						
TOTAL	**$ 30,800**	**$ 724,200**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $755,000 **Estimated Total Design Cost: $10,000**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

Synthetic Field Turf at Volunteer Field PK0220

Project Status: Active
Present Condition: Good
Latitude / Longitude: 48.11791, -123.481792
Project Manager: Corey Delikat
Estimated Life: 20 Years

ABOUT THE PROJECT:

The City of Port Angeles does not have a baseball field with synthetic turf to promote year-round activity on safe and resilient surfaces. Local leagues/teams have a difficult time being able to play in the spring and fall months due to inclement weather. This, coupled with an escalating need for durable fields that can accommodate multiple teams and activities, the high cost of maintaining a grass field, and the need to conserve water, have prompted many schools, parks and municipalities to turn to synthetic turf to meet their needs. In 2019, a local community leader approached the City to take on the fundraising efforts to make this project a reality at Volunteer Field. He, along with the Wilder Baseball Club, will be raising money and applying for Recreation Conservation Office (RCO) Grants to push this project forward. During the 2020 RCO ranking for a Youth Athletic Facility Grant, this project ranked 23/38 and the received $350,000 towards this project. This projecy will start Auguest of 2023 and completed September of 2023.

JUSTIFICATION:

The cost of installing and maintaining a synthetic turf field over a 20-year period is over 3 times less expensive per event than the cost of a turf field. This will save on maintenance costs, reduce the amount of water used, along with less pollution from mowing and eliminates the use of fertilizers

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants		300,000						
Bonds								
General Fund	50,000							
Donations/Insurance Reim.		350,000						
REET	50,000							
TOTAL	**$ 100,000**	**$ 650,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	36,000	714,000						
TOTAL	**$ 36,000**	**$ 714,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $750,000 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

Parks Maintenance Building PK0719

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.11595, -123.46952
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

During the 2018 winter wind storm, a large tree within Lincoln Park fell and landed on top of the Parks Maintenance Building located on 16th Street. This caused the building to buckle and left it unsafe and structurally unsound. In June of 2019, the City used $123,097 of the insurance money received from the damage, along with $37,339 from General Fund Reserves, to purchase an unassembled 6,000 sq. ft. metal building from Platypus Marine. As part of the 2020 CFP, $50,000 was set aside to demo the existing building. This project was completed with the assistance of Public Works and came in under budget. The next step of the process is to hire a consultant for the design of the placement of the facility on existing City property. The main focus will be land space, utilities, and tree canopy so that this type of event will not happen in the future.

JUSTIFICATION:

Not continuing this project will result in the City paying $6,000 per month for the current location the Parks Maintenance Crew is at on Port property.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	250,000	250,100						
Donations/Insurance Reim.	206,400							
Other								
TOTAL	**$ 456,400**	**$ 250,100**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	174,400	532,100						
TOTAL	**$ 174,400**	**$ 532,100**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $706,500 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 208 **Estimated Personnel Costs for Project: $12,500**

City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)

PK0519

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.120989, -123.428029
Project Manager: Corey Delikat/Jonathan Boehme
Estimated Life: 30 Years

ABOUT THE PROJECT:

The west and south hillside of the City Pier, by the outfall of Peabody Creek, is eroding at a significant pace and is in need of additional armoring to secure the bank. In 2019, the City closed the adjacent sidewalk because of up-heaving and a trip and fall incident. After the City's Engineering Department evaluated the project, it was determined that the cause of the sidewalk issue was because of tree roots and a failing culvert underneath the sidewalk. The sidewalk currently remains closed to the public, which is causing foot traffic flow issues for events and cruise ships. Cost of the project is estimated at $450,000 with $50,000 of these funds for consultant design. The design portion of this project was approved by the City Council in March of 2021 and the project is slated to be completed as soon as we are issued the proper permits.

JUSTIFICATION:

If not completed, the sidewalk will remain closed and the bank will continue to erode.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund	$ 200,000							
Grants								
Bonds								
General Fund	60,000							
Donations/Insurance Reim.								
REET 2	140,000							
TOTAL	**$ 400,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	45,400	354,600						
TOTAL	**$ 45,400**	**$ 354,600**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $400,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

Locomotive #4 Refurbishment PK0316

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.11791, -123.481792
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

The Locomotive #4 located at the Blvd & Chase Traffic Island was given to the City in 1960. Over the last 56 years the locomotive has slowly been deteriorating and requires refurbishing. Repairs would include rust and asbestos removal, abatement of the insulation on the boiler and cylinders, cutting and replacing metal, securing the cab, replacement of missing parts, prepping and painting, landscape improvements, and building a shelter to house the engine. Recently, a group of train enthusiasts, the Rotary Club, and Rayonier Inc. have been working with a local engineer and architect on a design that would change the look and feel of this community asset.

JUSTIFICATION:

If funding is not secured, the locomotive will get to a point where it will be unrepairable.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund		50,000		80,000				
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 50,000**	**$ 0**	**$ 80,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		50,000		80,000				
TOTAL	**$ 0**	**$ 50,000**	**$ 0**	**$ 80,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $130,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

HVAC Upgraded for City Facilities PK0320

Project Status: Design
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

The City's HVAC systems in the City Hall complex, Senior Center, and Fire Station are old, inadequate, and inefficient. The City Council has allocated ARPA funds to upgrade the systems. The Washington State Department of Enterprise Services has created a special program, the Energy Savings Performance Contracting Program, that provides an efficient and economical method for local governmental entities to contract for energy savings projects, such as the contemplated HVAC upgrades. After reviewing the alternatives, staff recommends that the City utilize the Energy Savings Performance Contracting Program to design and build the HVAC upgrades. the Washington State Department of Enterprise Service Washington State Department of Enterprise Service

JUSTIFICATION:

City Hall, Fire Station, and the Port Angeles Senior Center are three aging facilities that are in need of HVAC efficiency upgrades. Upgrading these facilities would create furnace and A/C cost savings, provide better air flow and healthier air, reduce noise, regulate consistent air temperatures, and conserve more natural resources.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants			2,000,000					
Bonds								
General Fund		150,000						
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 150,000	$ 2,000,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		150,000	2,000,000					
TOTAL	$ 0	$ 150,000	$ 2,000,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $2,150,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

Erickson Playfield Tennis Court PK0122

Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

The City is working with the Peninsula Tennis Club (PTC) on the repainting of the Tennis Courts and the installation of a new LED Lighting system. The City has set aside $10,000 for their portion of an RCO Grant and the PTC has also pledged $10,000 towards the project. Currently this project ranks 6th in the state and funding of $200,000 will likely occur in June of 2023.

JUSTIFICATION:

Their are limited tennis courts within Port Angeles. Over the years the Shane Park tennis courts have become obsolete and Peninsula College eliminated their courts for construction purposes. The Port Angeles School District isn't looking to improve their courts for quite some time. We want to improve the courts we have at Erickson Playfield to extend times of play so the entire community has a great facility to play on.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants		200,000						
Bonds								
General Fund		10,000						
Donations/Insurance Reim.		10,000						
Lodging Tax								
TOTAL	$ 0	$ 220,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		220,000						
TOTAL	$ 0	$ 220,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $220,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

OVC Columbarium Expansion PK0222

Project Status: Active
Present Condition: Good
Latitude / Longitude: 48.11791, -123.481792
Project Manager: Corey Delikat
Estimated Life: 20 Years

ABOUT THE PROJECT:

Ocean View Cemetery (OVC) is looking to increase revenue by adding two new columbariums that will cost $50,000 to construct. This will add an additional 120 niches to our inventory and will have the potential to make $380,000 in revenue.

JUSTIFICATION:

In the late 2000's, the City added another columbarium to OVC and the space is running out. Adding 120 new niches to the inventory will increase revenue. To make up the construction costs, estimated at $50,000, the City would only need to sell 14 of these niches.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			50,000					
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			50,000					
TOTAL	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $50,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

Elks Pickle Ball Courts Improvements PK0123

Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Corey Delikat
Estimated Life: 30 Years

ABOUT THE PROJECT:

In 2022, the City received a $30,000 donation from an anonymous donor to fix the asphalt on the two center courts and repaint all six of the pickle ball courts. This project will be combined with the Erickson Playfield Tennis Court improvement project in 2023.

JUSTIFICATION:

Not fixing the two center pickle ball courts at Elks Playfield will continue to lead to safety issues.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.		30,000						
Lodging Tax								
TOTAL	$ 0	$ 30,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		30,000						
TOTAL	$ 0	$ 30,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $30,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $12,500**

PARKS AND RECREATION UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Aluminum Bleacher Upgrades PK0223

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1117043, -123.4189687
Project Manager: Corey Delikat
Estimated Life: 30 Years
Estimated Total Project Cost: $100,000

About The Project:
The Bleachers at Shane Park and Elks Playfield are in need of upgrades and do not meet current safety standards for bleachers. This project would eliminate the current bleachers at each park and be replaced with six new ones. Four would be placed at Shane Park and two would be added to Elks Playfield.

Justification:
Improvements on the above mentioned items will ensure a safe environment for our athletic fields.

Senior Center Front Door Replacement PK0323

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.110812, -123.419758
Project Manager: Corey Delikat
Estimated Life: 30 Years
Estimated Total Project Cost: $45,000

About The Project:
Both sets of the Senior center electric Front doors need to be replaced due to age and frequent use. Repairs are becoming more frequent and it is expensive to bring in folks from out of the area for repairs.

Justification:
If the doors are not replaced this would cause ADA issues for people entering and leaving the facility.

City Pier Inspection Repairs PK0319

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1117043, -123.4189687
Project Manager: Corey Delikat
Estimated Life: 30 Years
Estimated Total Project Cost: $1,000,000

About The Project:
During the Transient Moorage Float Replacement Project, additional funds were remaining to perform a load rating and pile inspection test. From that report, several deficiencies came out of the report that are in need of repair. Preliminary estimate for the project is $1,000,000.

Justification:
If these deficiencies are not repaired, the City Pier infrastructure will continue to deteriorate.

Shane & Elks Field Lighting PK0406

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1117043, -123.4189687
Project Manager: Corey Delikat
Estimated Life: 30 Years
Estimated Total Project Cost: $1,000,000

About The Project:

The sports lighting system at Shane Park and Elks Playfield are more than 40 years old. These lighting systems are past its lifespan and parts to replace the fixtures are obsolete. The wooden poles that support these fixtures also need to be replaced.

Justification:

Both lighting systems at Shane Park and Elks Playfield are inadequate, deteriorated, and parts for repair are obsolete. The poles that support the fixtures also need repaired. Not replacing these lights would dramatically impact the both youth and adult recreation programs if games could not be played and night or in Inadequate weather.

Ediz Hook Boat Launch Repairs PK0420

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1117043, -123.4189687
Project Manager: Corey Delikat
Estimated Life: 30 Years
Estimated Total Project Cost: $1,500,000

About The Project:

The City has been receiving concerns from the boating community regarding the status of the Ediz Hook boat launch for many years. Recently, after a mitigation project completed by the navy, this has worsened the conditions of the floats. Many boaters will not use our facility because of fear of ruining their boats, trailers and vehicles because as they approach the end of the concrete ramp to the floats. Also as part of this project, a new docking system needs to be installed as well as a new sea wall to protect the floats. On average we are spending approximately $10,000 to $15,000 a year on float repairs.

Justification:

The current outdated float system will continue to deteriorate and eventually we will have to remove the docks and shutdown the boat ramp.

Neighborhood Park Development PK0802

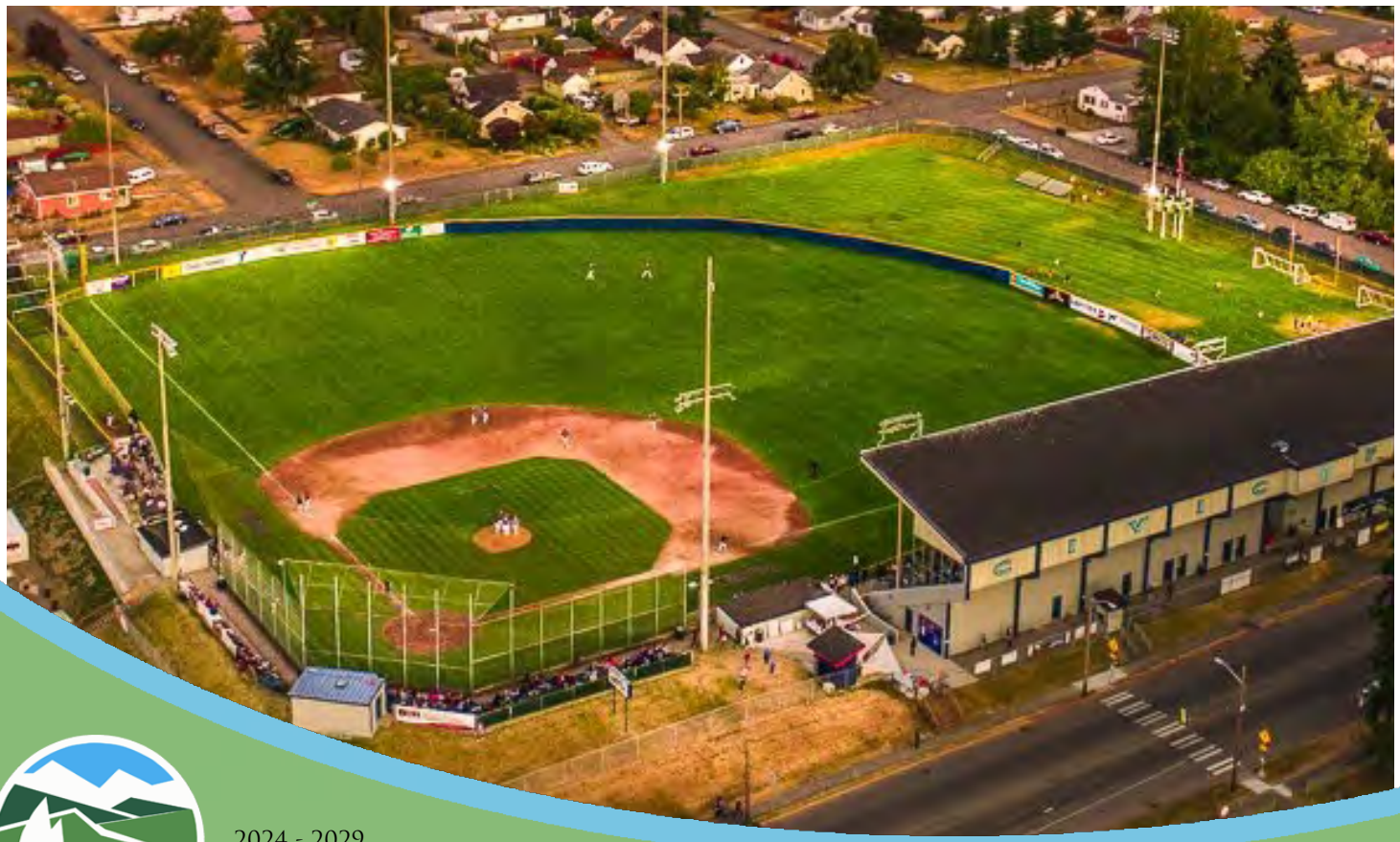
Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.110812, -123.419758
Project Manager: Corey Delikat
Estimated Life: 30 Years
Estimated Total Project Cost: $UNKNOWN

About The Project:

This project will provide rehabilitation and renovation of our parks. Improvements will include the replacement of playgrounds, fencing, facility rental upgrades, signage, parking lot repairs, landscaping and aesthetic improvements.

Justification:

The majority of the City's neighborhood parks have outdated infrastructures that have surpassed their lifespans and have safety issues causing some playgrounds to be removed. Some of the neighborhood parks are "open spaces," causing them to be one dimensional, providing limited activities for children and adults.




CITY OF PORT ANGELES
2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

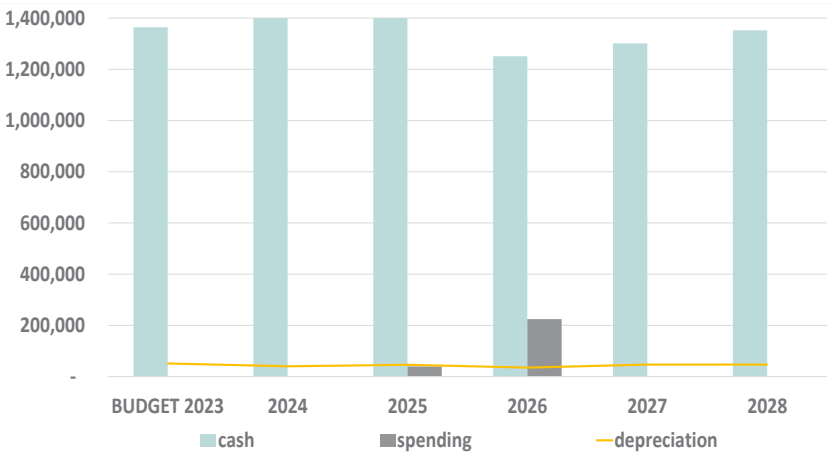
MEDIC 1



MEDIC 1 FUND CAPITAL FACILITY PLAN

CFP YEAR: 2024 - 2029
MANAGER: Derrell Sharp
CONTACT: dsharp@cityofpa.us
PHONE: 360-417-4651

MEDIC 1 FUND GOALS AND OBJECTIVES:
To improve public safety and replace equipment to keep all Medic 1 assets in good working condition.



FUNDING SOURCES	PRIOR YEARS	Budget 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utility Reserves	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Grants	-	-	-	-	-	-	-	-
Use of Capital Reserves	-	-	-	-	-	-	-	-
General Fund Reserves	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds (Medic 1)	481,200	50,500	50,500	50,500	50,500	50,600	50,600	50,600
TOTAL	**$ 481,200**	**$ 50,500**	**$ 50,500**	**$ 50,500**	**$ 50,500**	**$ 50,600**	**$ 50,600**	**$ 50,600**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	-	-	-	-	-	-	-	-
Construction	326,100	-	-	40,000	224,700	-	-	-
TOTAL	**$ 326,100**	**$ -**	**$ -**	**$ 40,000**	**$ 224,700**	**$ -**	**$ -**	**$ -**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	51,600	51,300	40,500	45,900	35,100	46,800	46,800
Other - explained on individual sheets	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	**$ -**	**$ 51,600**	**$ 51,300**	**$ 40,500**	**$ 45,900**	**$ 35,100**	**$ 46,800**	**$ 46,800**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

MEDIC 1 Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
MEDIC 1											
CAPM1	Medic 1 Equipment	R	369,800	186,600	-	-	-	183,200	-	-	-
FD0118	Defibrillator Equipment	R	258,000	139,500	-	-	40,000	41,500	-	-	-
Total			**627,800**	**326,100**	**-**	**-**	**40,000**	**224,700**	**-**	**-**	**-**

CASH FLOW ANALYSIS	BUDGET 2023	2024	2025	2026	2027	2028	2029
Beginning balance	1,313,746	1,364,246	1,414,746	1,425,246	1,251,046	1,301,646	1,352,246
Funding sources:							
Utilities	50,500	50,500	50,500	50,500	50,600	50,600	50,600
Spending:	-	-	-	-	-	-	-
Capital Investment	-	-	(40,000)	(224,700)	-	-	-
Ending Cash Balance	**1,364,246**	**1,414,746**	**1,425,246**	**1,251,046**	**1,301,646**	**1,352,246**	**1,402,846**

Projected Depreciation	**51,342**	**40,503**	**45,903**	**35,121**	**46,833**	**46,833**	**46,833**
Cash to depreciation ratio	**26.57**	**34.93**	**31.05**	**35.62**	**27.79**	**28.87**	**29.95**

PROJECTS COMPLETED IN 2022		ACTUAL	BUDGET
CAPM1	Medic 1 revolving	15,866	-
FD0118	Defibrillators	71,451	73,000
TOTAL COMPLETED PROJECTS		**15,866**	**73,000**

PROJECT STATUS: REVOLVING
PRESENT CONDITION: GOOD
LATITUDE / LONGITUDE: 48.115099, -123.436434
PROJECT MANAGER: DERRELL SHARP
ESTIMATED LIFE: 6 YEARS

ABOUT THE PROJECT:

In 2020, the Fire Department purchased three (3) Lucas battery operated CPR devices. These are highly technical devices that, when used, are used under very demanding circumstances. In addition, in 2020 the Department purchased a Stryker PowerLoad gurney lifting system for each of the three medic units. The PowerLoad devices are systems that hydraulically lift gurneys, significantly reducing the strain on medic personnel who are transferring patients into and out of the medic units. These devices have been proven to reduce the occurrence of debilitating back injuries. All of this equipment is subject to constant use under demanding conditions. Replacement of this equipment on a regular 6 year schedule is advised. Reserves will be held in the Capital Fund.

JUSTIFICATION:

Medic 1 equipment is extremely expensive technology that must perform safely and reliably for many years. This equipment requires ongoing maintenance and has a useful life of approximately 6 years. This replacement plan allows for periodic replacement of equipment with extended warranties and repair contracts. The current replacement cost every 6 years is approximately $183,200.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Medic 1	201,300	30,500	30,500	30,500	30,500	30,600	30,600	30,600
TOTAL	**$ 0**	**$ 0**	**$ 30,500**	**$ 30,500**	**$ 30,500**	**$ 30,600**	**$ 30,600**	**$ 30,600**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	170,700				183,200			
TOTAL	**$ 170,700**	**$ 0**	**$ 0**	**$ 0**	**$ 183,200**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $353,900 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Defibrillator Equipment FD0118

Project Status: Revolving
Present Condition: Good
Latitude / Longitude: 48.115099, -123.436434
Project Manager: Derrell Sharp
Estimated Life: 5 Years

About the Project:

Replacement of cardiac monitor/defibrillators on a regular 5 year schedule. Reserves will be held in the Capital Fund.

Justification:

Cardiac monitor/defibrillators are extremely expensive pieces of equipment that must meet technological standards. They require ongoing calibration and maintenance with a useful life of 5 to 6 years. This replacement plan allows for periodic replacement of equipment with extended warranties and repair contracts. The current cost of one defibrillator is approximately $38,000.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Medic 1	192,500	20,000	20,000	20,000	20,000	20,000	20,000	20,000
TOTAL	**$ 192,500**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ 20,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	139,500			40,000	41,500			
TOTAL	**$ 139,500**	**$ 0**	**$ 0**	**$ 40,000**	**$ 41,500**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $221,000 **Estimated Total Design Cost: $0**

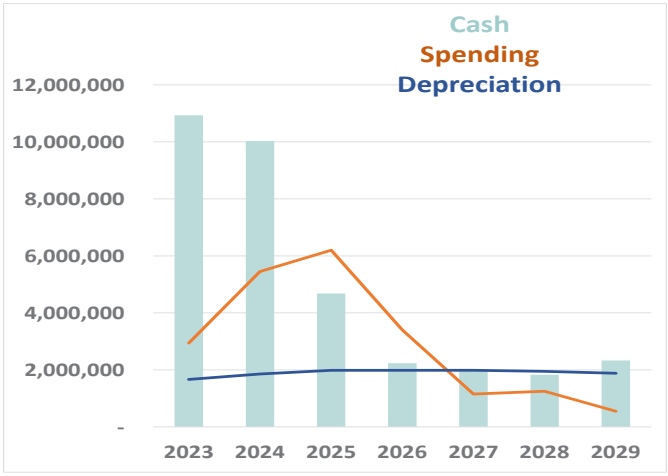
Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

ELECTRIC



ELECTRIC FUND CAPITAL FACILITY PLAN

CFP YEAR: 2024 - 2029
MANAGER: MIKE HEALY
CONTACT: MHEALY@CITYOFPA.US
PHONE: 360-417-4801



ELECTRIC FUND GOALS AND OBJECTIVES:
To maintain reliable and efficient substations, distribution, and transmission facilities for the electric utility, as well as provide buildings for inventory storage and personnel usage.

FUNDING SOURCES	PRIOR YEARS	Budget 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Electric Reserves Planned Use	$ 6,630,800	$ 1,390,000	$ 4,630,000	$ 2,450,000	$ 3,350,000	$ 1,100,000	$ 1,200,000	$ 500,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	100,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
TOTAL	**$ 6,730,800**	**$ 1,440,000**	**$ 4,680,000**	**$ 2,500,000**	**$ 3,400,000**	**$ 1,150,000**	**$ 1,250,000**	**$ 550,000**

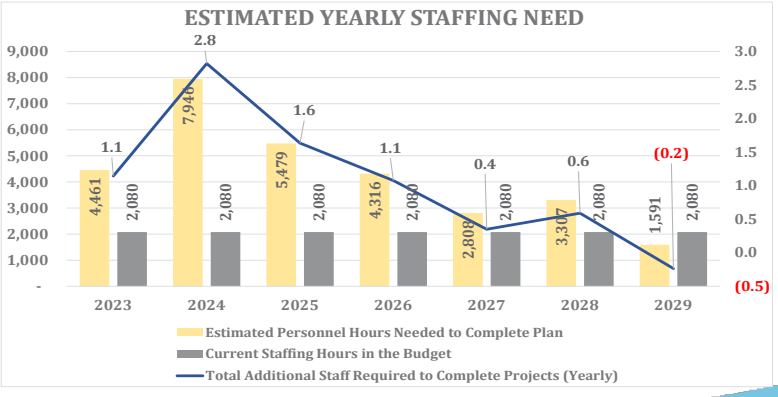
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	454,100	84,000	19,000	138,000	26,000	75,000	87,000	10,000
Construction	617,400	2,856,000	5,430,900	6,062,000	3,374,000	1,075,000	1,163,000	540,000
TOTAL	**$ 1,071,500**	**$ 2,940,000**	**$ 5,449,900**	**$ 6,200,000**	**$ 3,400,000**	**$ 1,150,000**	**$ 1,250,000**	**$ 550,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor		470,420	1,151,594	729,739	372,090	297,236	494,436	195,866
Supplies								
Communications								
Depreciation		114,000	327,200	489,400	508,700	537,300	583,000	591,600
Other - explained on individual sheets								
TOTAL OTHER COSTS	**$ -**	**$ 584,420**	**$ 1,478,794**	**$ 1,219,139**	**$ 880,790**	**$ 834,536**	**$ 1,077,436**	**$ 787,466**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	4,461	7,946	5,479	4,316	2,808	3,307	1,591
Current Staffing Hours in the Budget	2,080	2,080	2,080	2,080	2,080	2,080	2,080
Difference	*2,381*	*5,866*	*3,399*	*2,236*	*728*	*1,227*	*(489)*
Total Additional Staff Required to Complete Projects (Yearly)	**1.1**	**2.8**	**1.6**	**1.1**	**0.4**	**0.6**	**(0.2)**

The current capital plan would require an average of 1.1 additional FTE's to complete; however, in years when large projects are included additional staffing will be required for completion.



ELECTRIC PROJECT LIST & CASH FLOW

ELECTRIC PROJECTS Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
CLCAP	Maintenance Capital Contribution	R	1,277,500	227,500	150,000	150,000	150,000	150,000	150,000	150,000	150,000
CL0414	Construct New Light Ops Building	A	10,099,900	430,000	1,500,000	4,469,900	3,700,000	-	-	-	-
CL0217	I Street Substation Switchgear Replacement	A	385,400	15,400	370,000	-	-	-	-	-	-
CL0420	College Street Load Tap Changer Replacement	1	200,000	-	200,000	-	-	-	-	-	-
CL0117	Washington Street Substation Switchgear	2	500,000	-	20,000	480,000	-	-	-	-	-
CL0222	Advanced Metering & Outage Management	3	3,000,000	-	-	100,000	1,900,000	1,000,000	-	-	-
CL0216	City/PUD Service Area Capital Needs	4	400,000	200,000	200,000	-	-	-	-	-	-
CL0819	Overhead Reconductoring - 2023	5	250,000	-	250,000	-	-	-	-	-	-
CL0619	Underground Cable Replacement - 2023	6	250,000	-	250,000	-	-	-	-	-	-
CL0123	Overhead Reconductoring - 2024	7	150,000	-	-	150,000	-	-	-	-	-
CL0719	Underground Cable Replacement - 2024	8	100,000	-	-	100,000	-	-	-	-	-
CL0223	Overhead Reconductoring - 2025	9	150,000	-	-	-	150,000	-	-	-	-
CL1019	Underground Cable Replacement - 2025	10	100,000	-	-	-	100,000	-	-	-	-
CL0323	Overhead Reconductoring - 2026	11	150,000	-	-	-	-	150,000	-	-	-
CL0221	Underground Cable Replacement - 2026	12	100,000	-	-	-	-	100,000	-	-	-
CL0320	F Street Load Tap Changer Replacement	13	200,000	-	-	-	-	200,000	-	-	-
CL0120	F Street Transformer Replacement	14	2,000,000	-	-	-	200,000	1,800,000	-	-	-
CL0816	College Street Substation Switchgear	15	500,000	-	-	-	-	-	500,000	-	-
CL0121	Overhead Reconductoring - 2027	16	250,000	-	-	-	-	-	250,000	-	-
CL0321	Underground Cable Replacement - 2027	17	250,000	-	-	-	-	-	250,000	-	-
CL0122	Underground Cable Replacement - 2028	18	250,000	-	-	-	-	-	-	250,000	-
CL0523	Underground Cable Replacement - 2029	19	250,000	-	-	-	-	-	-	-	250,000
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	20	350,000	-	-	-	-	-	-	350,000	-
CL0520	Substation Seismic Bracing	21	500,000	-	-	-	-	-	-	500,000	-
CL0423	Overhead Reconductoring - 2029	22	150,000	-	-	-	-	-	-	-	150,000
CL0322	Electric Vehicle Charging Station - Fast Chargers	UF	500,000	-	-	-	-	-	-	-	-
Total			**22,312,800**	**872,900**	**2,940,000**	**5,449,900**	**6,200,000**	**3,400,000**	**1,150,000**	**1,250,000**	**550,000**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	13,022,083	10,932,083	10,032,183	4,682,183	2,232,183	2,032,183	1,832,183
Funding sources:							
Electric Rates Transfer	800,000	800,000	800,000	900,000	900,000	1,000,000	1,000,000
For building from Reserves	-	3,700,000	-	-	-	-	-
Adjustments for cash timing	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds/Grants	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Spending:							
Project cost	(2,940,000)	(5,449,900)	(6,200,000)	(3,400,000)	(1,150,000)	(1,250,000)	(550,000)
Ending Cash Balance	**10,932,083**	**10,032,183**	**4,682,183**	**2,232,183**	**2,032,183**	**1,832,183**	**2,332,183**
Depreciation	**1,665,564**	**1,858,313**	**1,984,710**	**1,985,323**	**1,986,409**	**1,950,941**	**1,879,158**
Depreciation to Cash Ratio	**6.56**	**5.40**	**2.36**	**1.12**	**1.02**	**0.94**	**1.24**

Electric rates transfer is built into the COSA for the Electric Utility. Electric reserves included a transfer in 2018-2019 of funds held for the design of a new Light Operations building from the sale of the old warehouse in the amount of $4,200,000, in 2020 in the amount of $2,200,000 and in 2024 in the amount of $3.7 million. Total reserves used is $10.1 million.

PROJECTS COMPLETED IN 2022		Actual	Budget
CLCAP	Maintenance Capital Contribution	96,735	150,000
CL0620	Electric Vehicle Charging Station	48,140	48,000
CL0919	"A" Street Substation Switchgear Replacement	297,639	500,000
TOTAL COMPLETED PROJECTS		**442,514**	**1,198,000**

Completed projects are not included in the ongoing projects totals for expenditures or revenues.

PROJECT STATUS: REVOLVING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE: 48.114363, -123.432072
PROJECT MANAGER: MIKE HEALY
ESTIMATED LIFE: 35 YEARS

ABOUT THE PROJECT:

Capitalizing materials used in maintenance projects.

There is not a labor hour or labor cost estimate to directly associate with this continuous budget item.

JUSTIFICATION:

The Electric utility's maintenance projects are capital intensive. This project will capitalize the poles, transformers, overhead conductors, underground cables, etc. used in replace-in-kind maintenance projects as well as 'customer requested-customer paid' projects.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund	$ 130,800	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.	150,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Other								
TOTAL	**$ 280,800**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	227,500	150,000	150,000	150,000	150,000	150,000	150,000	150,000
TOTAL	**$ 227,500**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,277,500 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Construct New Light Operations Building CL0414

Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Mike Healy
Estimated Life: 50 Years

About the Project:

The construction of the Light Operations Building will provide a permanent facility for the electric utility to operate from. Design is nearing completion. Escalated building costs for a 2024-2025 construction completion are estimated at at $10.1 million.

Justification:

The monthly lease for the Light Ops facility is over $7,000/month, or $84,000 per year. A City owned facility will eliminate the continually increasing lease payments. When the previous building was sold, $6,500,000 was set aside to offset the future costs of building a replacement, $350,000 was used to purchase land in 2016. Currently design and build costs are estimated at $10.1 million, this will be revisited when construction bids are received.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund	$ 430,000	$ 1,500,000	$ 4,469,900	$ 3,700,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 430,000**	**$ 1,500,000**	**$ 4,469,900**	**$ 3,700,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	430,000	1,500,000	4,469,900	3,700,000				
TOTAL	**$ 430,000**	**$ 1,500,000**	**$ 4,469,900**	**$ 3,700,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $10,099,900 **Estimated Total Design Cost: $430,000**

Estimated Personnel Hours for Project: 6,240 **Estimated Personnel Costs for Project: $494,250**

"I" Street Substation Switchgear Replacement

CL0217

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.125778, -123.468039
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace the "I" Street substation switchgear. The "I" Street substation provides power to roughly 900 residential customers and the United States Coast Guard (USCG) base within the City limits. To ensure the reliability of the substation, the failing switchgear will be replaced.

JUSTIFICATION:

The current switchgear is near the end of its usable life. Aging and substantial fault impacts continue to affect performance. This project will continue the standardization of switchgears throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Electric Fund	$ 15,400	$ 370,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 15,400**	**$ 370,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	15,400	370,000						
TOTAL	**$ 15,400**	**$ 370,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $385,400 **Estimated Total Design Cost: $8,000**

Estimated Personnel Hours for Project: 642 **Estimated Personnel Costs for Project: $48,000**

College Street Load Tap Changer Replacement

CL0420

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.101532, -123.415987
Project Manager: Mike Healy
Estimated Life: 35 Years

About the Project:

Replace College Street substation Load Tap Changer (LTC). The College Street substation provides power to roughly 1,500 residential/commercial customers within the City limits. To ensure the reliability of the substation, the end of the life LTC will be replaced.

Justification:

The LTC is near the end of its usable life. Replacement/Rebuild for a LTC is recommended at 300,000 operations. This unit is expected to exceed 300,000 operations. Additional operations will continue to affect performance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund		$ 200,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		200,000						
TOTAL	**$ 0**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $200,000
Estimated Total Design Cost: $12,000
Estimated Personnel Hours for Project: 333
Estimated Personnel Costs for Project: $25,000

Washington Street Substation Switchgear CL0117

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.111139, -123.418494
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace the Washington St substation switchgear. Washington Street substation provides power to roughly 1,000 residential/commercial customers within the City limits, including Olympic Medical Center. To ensure the reliability of the substation, the failing switchgear will be replaced.

JUSTIFICATION:

The current switchgear is near the end of its usable life. Aging and substantial fault impacts continue to affect performance. This project will continue the standardization of switchgears throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund		$ 20,000	$ 480,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 20,000**	**$ 480,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		20,000	480,000					
TOTAL	**$ 0**	**$ 20,000**	**$ 480,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $500,000 **Estimated Total Design Cost: $25,000**

Estimated Personnel Hours for Project: 666 **Estimated Personnel Costs for Project: $50,000**

Advanced Metering & Outage Management CL0222

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.113981, -123.431142
Project Manager: Mike Healy
Estimated Life: 30 Years

ABOUT THE PROJECT:

In 2006 the City started a route to install an Advanced Metering Infrastructure (AMI) system. Working through the due diligence process during 2009 and then selection process for the vendor in early 2010. During the implementation in 2010 and 2011 there were issues with the vendor that were not able to be resolved and the system was removed. From 2006 to 2022 AMI has become a standard for most electric utilities. By reviewing the background of the past project and the new options now available this would be a great project to move the electric utility forward.

JUSTIFICATION:

AMI offers customers the ability to become more aware of their energy consumption, if they choose, and gain greater confidence in the utility system. Advanced billing methods, such as time of use or customer pre-pay, can be implemented.

Engineering utilizes AMI data to model and fine tune the utility system and solutions designed to meet the exact need. Billing and Operations can get instant notification of meter tampering, and identifying potential power theft. End of line voltage monitoring can be monitored to adjust real time, providing a more consistent voltage to the end user, and the utility can take advantage of BPA incentives for voltage reduction.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Electric Fund			$ 100,000	$ 1,900,000	$ 1,000,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 100,000**	**$ 1,900,000**	**$ 1,000,000**	**$ 0**	**$ 0**	**$ 0**

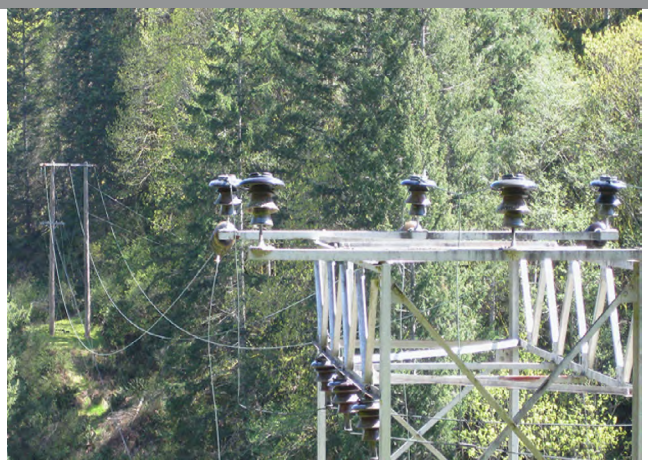
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			100,000	1,900,000	1,000,000			
TOTAL	**$ 0**	**$ 0**	**$ 100,000**	**$ 1,900,000**	**$ 1,000,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $3,000,000 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 5,616 **Estimated Personnel Costs for Project: $1,203,796**

City/PUD Service Area Capital Needs CL0216



Project Status: Pre-Planning
Present Condition: Good
Latitude / Longitude: 48.114363, -123.43207
Project Manager: Mike Healy
Estimated Life: 35 Years

About the Project:

The City will begin negotiations with Clallam County PUD to define service area boundary and its applicability over a definite period. This project will define City electric utility limits and transfer assets to remove current crossover of service areas. There may be additional build outs in some areas to address the service area issues.

Justification:

Defined City electric utility limits will bring clarity in future load growth related capital projects. It will also eliminate the need for wheeling of power resulting in better service standards.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Electric Fund	$ 200,000	$ 200,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 200,000**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	200,000	200,000						
TOTAL	**$ 200,000**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $400,000 **Estimated Total Design Cost: $25,000**

Estimated Personnel Hours for Project: 790 **Estimated Personnel Costs for Project: $97,933**

Overhead Reconductoring - 2023 CL0819

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR). This project is a continuation of a multi-year effort and includes costs for the 2023 budget year.

JUSTIFICATION:

Currently there is over 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Electric Fund		$ 250,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 250,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		250,000						
TOTAL	$ 0	$ 250,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $250,000 **Estimated Total Design Cost: $22,000**

Estimated Personnel Hours for Project: 988 **Estimated Personnel Costs for Project: $122,420**

Underground Cable Replacement - 2023 CL0619

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually. This project is a continuation of a multi-year effort and includes costs for the 2023 budget year.

JUSTIFICATION:

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund		$ 250,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 250,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		250,000						
TOTAL	$ 0	$ 250,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $250,000 **Estimated Total Design Cost: $22,000**

Estimated Personnel Hours for Project: 988 **Estimated Personnel Costs for Project: $112,420**

Overhead Reconductoring - 2024 CL0123

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR) and other targeted damaged or failing overhead conductor. This project is a continuation of a multi-year effort and includes costs for the 2024 budget year.

JUSTIFICATION:

Currently there are over 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund			$ 150,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			150,000					
TOTAL	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $150,000 **Estimated Total Design Cost: $5,000**

Estimated Personnel Hours for Project: 593 **Estimated Personnel Costs for Project: $73,450**

Underground Cable Replacement - 2024 CL0719

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually. This project is a continuation of a multi-year effort and includes costs for the 2024 budget year.

JUSTIFICATION:

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and are an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund			$ 100,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			100,000					
TOTAL	**$ 0**	**$ 0**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $100,000 **Estimated Total Design Cost: $9,000**

Estimated Personnel Hours for Project: 395 **Estimated Personnel Costs for Project: $49,000**

Overhead Reconductoring - 2025 CL0223

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

About the Project:

Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR) and other targeted damaged or failing overhead conductor. This project is a continuation of a multi-year effort and includes costs for the 2025 budget year.

Justification:

Currently there are over 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Electric Fund				$ 150,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				150,000				
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $150,000 **Estimated Total Design Cost: $5,000**

Estimated Personnel Hours for Project: 593 **Estimated Personnel Costs for Project: $73,450**

Underground Cable Replacement - 2025 CL1019

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually. This project is a continuation of a multi-year effort and includes costs for the 2025 budget year.

JUSTIFICATION:

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and are an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund				$ 100,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				100,000				
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $100,000 **Estimated Total Design Cost: $9,000**

Estimated Personnel Hours for Project: 395 **Estimated Personnel Costs for Project: $49,000**

Overhead Reconductoring - 2026 CL0323

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR) and other targeted damaged or failing overhead conductor. This project is a continuation of a multi-year effort and includes costs for the 2026 budget year.

JUSTIFICATION:

Currently there are over 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund					$ 150,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					150,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $150,000 **Estimated Total Design Cost: $5,000**

Estimated Personnel Hours for Project: 593 **Estimated Personnel Costs for Project: $73,450**

Underground Cable Replacement - 2026 CL0221

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually. This project is a continuation of a multi-year effort and includes costs for the 2026 budget year.

JUSTIFICATION:

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and are an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund					$ 100,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					100,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $100,000 **Estimated Total Design Cost: $9,000**

Estimated Personnel Hours for Project: 395 **Estimated Personnel Costs for Project: $49,000**

"F" Street Load Tap Changer Replacement CL0320

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.118146, -123.430741
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace the "F" Street substation load tap changer (LTC). "F" Street substation provides power to the majority of the industrial customers within the City limits. To ensure the reliability of the substation, the end of the life LTC will be replaced.

JUSTIFICATION:

The LTC is near the end of its usable life. Replacement/Rebuild for a LTC is recommended at 300,000 operations. This unit has exceeded 300,000 operations. Additional operations will continue to affect performance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund					$ 200,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					200,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $200,000 **Estimated Total Design Cost: $12,000**

Estimated Personnel Hours for Project: 333 **Estimated Personnel Costs for Project: $25,000**

"F" Street Transformer Replacement CL0120

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.118146, -123.430741
Project Manager: Mike Healy
Estimated Life: 35 Years

About the Project:

Replace the "F" Street substation transformer. The "F" Street substation provides power to the majority of the industrial customers within the City limits. To ensure the reliability of the substation, the aging transformer will be replaced.

Justification:

The transformer is near the end of its usable life. Aging and substantial fault impacts continue to affect performance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Electric Fund				$ 200,000	$ 1,800,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 200,000**	**$ 1,800,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				200,000	1,800,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 200,000**	**$ 1,800,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $2,000,000 **Estimated Total Design Cost: $124,000**

Estimated Personnel Hours for Project: 3,328 **Estimated Personnel Costs for Project: $249,600**

College Street Substation Switchgear CL0816

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.100698, -123.4175996
Project Manager: Mike Healy
Estimated Life: 35 Years

About the Project:

Replace the College Street substation switchgear. The College Street substation provides power to roughly 900 residential customers and Peninsula College. To ensure the reliability of the substation, the failing switchgear will be replaced.

Justification:

The current switchgear is near the end of its usable life. Aging and substantial fault impacts continue to affect performance. This project will continue the standardization of switchgears throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund						$ 500,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 500,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						500,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 500,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $500,000 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 832 **Estimated Personnel Costs for Project: $62,400**

Overhead Reconductoring - 2027 CL0121

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR). This project is a continuation of a multi-year effort and includes costs for the 2027 budget year.

JUSTIFICATION:

Currently there are over 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund						$ 250,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						250,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $250,000 **Estimated Total Design Cost: $23,000**

Estimated Personnel Hours for Project: 988 **Estimated Personnel Costs for Project: $112,416**

Underground Cable Replacement - 2027 CL0321

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually. This project is a continuation of a multi-year effort and includes costs for the 2027 budget year.

JUSTIFICATION:

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and are an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund						$ 250,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						250,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $250,000 **Estimated Total Design Cost: $22,000**

Estimated Personnel Hours for Project: 988 **Estimated Personnel Costs for Project: $122,420**

Underground Cable Replacement - 2028 CL0122

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually. This project is a continuation of a multi-year effort and includes costs for the 2028 budget year.

JUSTIFICATION:

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and are an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund							$ 250,000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							250,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $250,000 **Estimated Total Design Cost: $22,000**

Estimated Personnel Hours for Project: 988 **Estimated Personnel Costs for Project: $122,420**

Underground Cable Replacement - 2029 CL0523

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually. This project is a continuation of a multi-year effort and includes costs for the 2026 budget year.

JUSTIFICATION:

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and are an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund								$ 250,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs								250,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 250,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $250,000 **Estimated Total Design Cost: $5,000**

Estimated Personnel Hours for Project: 998 **Estimated Personnel Costs for Project: $122,416**

Feeder Tie Hwy 101, Porter to Golf Course CL0202
Porter to Golf Course Rd

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.097707, -123.409825
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Construction of a 12kV feeder tie approximately 4000' from College Feeder 1201 at Porter Street to Washington Street Feeder 1203 at Golf Course Road.

JUSTIFICATION:

To provide contingency power for the area mentioned, should the substation fail. Expansion of service area will necessitate the requirement of ability to switch between substation feeders to ensure reliability.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund							$ 350,000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 350,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							350,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 350,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $350,000 **Estimated Total Design Cost: $5,000**

Estimated Personnel Hours for Project: 1,383 **Estimated Personnel Costs for Project: $171,383**

Substation Seismic Bracing CL0520

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.100698, -123.4175996
Project Manager: Mike Healy
Estimated Life: 35 Years

About the Project:

Seismically brace critical infrastructure within all 7 substations within the City service area. This will include a comprehensive study and implementation of the recommendations provided by the study.

Justification:

To improve grid resiliency and reduce the restoration time after a seismic event. Several substations are slated to be upgraded with new switchgear and transformers. Seismically bracing these new assets will provide the best chance of speedy recovery from interruption/s caused by seismic event/s.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund							$ 500,000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 500,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							500,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 500,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $500,000 **Estimated Total Design Cost: $60,000**

Estimated Personnel Hours for Project: 936 **Estimated Personnel Costs for Project: $200,633**

Overhead Reconductoring - 2029 CL0423

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.004559, -123.432153
Project Manager: Mike Healy
Estimated Life: 35 Years

ABOUT THE PROJECT:

Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR) and other targeted damaged or failing overhead conductor. This project is a continuation of a multi-year effort and includes costs for the 2029 budget year.

JUSTIFICATION:

Currently there are over 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Electric Fund								$ 150,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs								150,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $150,000 **Estimated Total Design Cost: $5,000**

Estimated Personnel Hours for Project: 593 **Estimated Personnel Costs for Project: $73,450**

ELECTRIC UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Electric Vehicle Charging Station - Fast Chargers — CL0322

Project Status: Pre-Planning
Present Condition: Poor
Latitude / Longitude:
Project Manager: Gregg King
Estimated Life: 15 Years
Estimated Total Project Cost: $500,000

About The Project:

Install EV charging stations around Port Angeles to add to the sparse EV charging capacity. The project seeks to encourage the transition to electric vehicles and reduce the City's carbon footprint.

As more electric vehicles are sold additional EV charging capacity also encourages Port Angeles as a tourist destination.

The federal Infrastructure bill contains $5 billion to encourage a national system of EV charging stations. This funding opens up a unique opportunity to increase the number of EV charging stations in Port Angeles. The project depends on receiving grant funding.

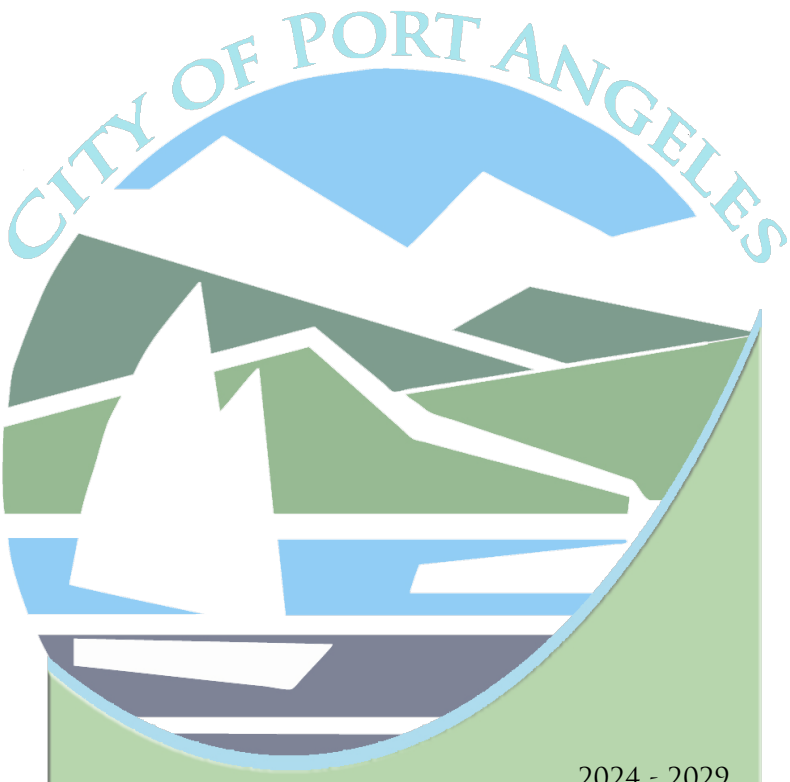
Justification:

Port Angeles has a limited number of electric vehicle (EV) charging stations and no fast charging stations. The American Infrastructure bill provides a historic opportunity to add to the City's EV charging capacity and position itself as a destination for EV drivers and for a carbon-free electrified future.

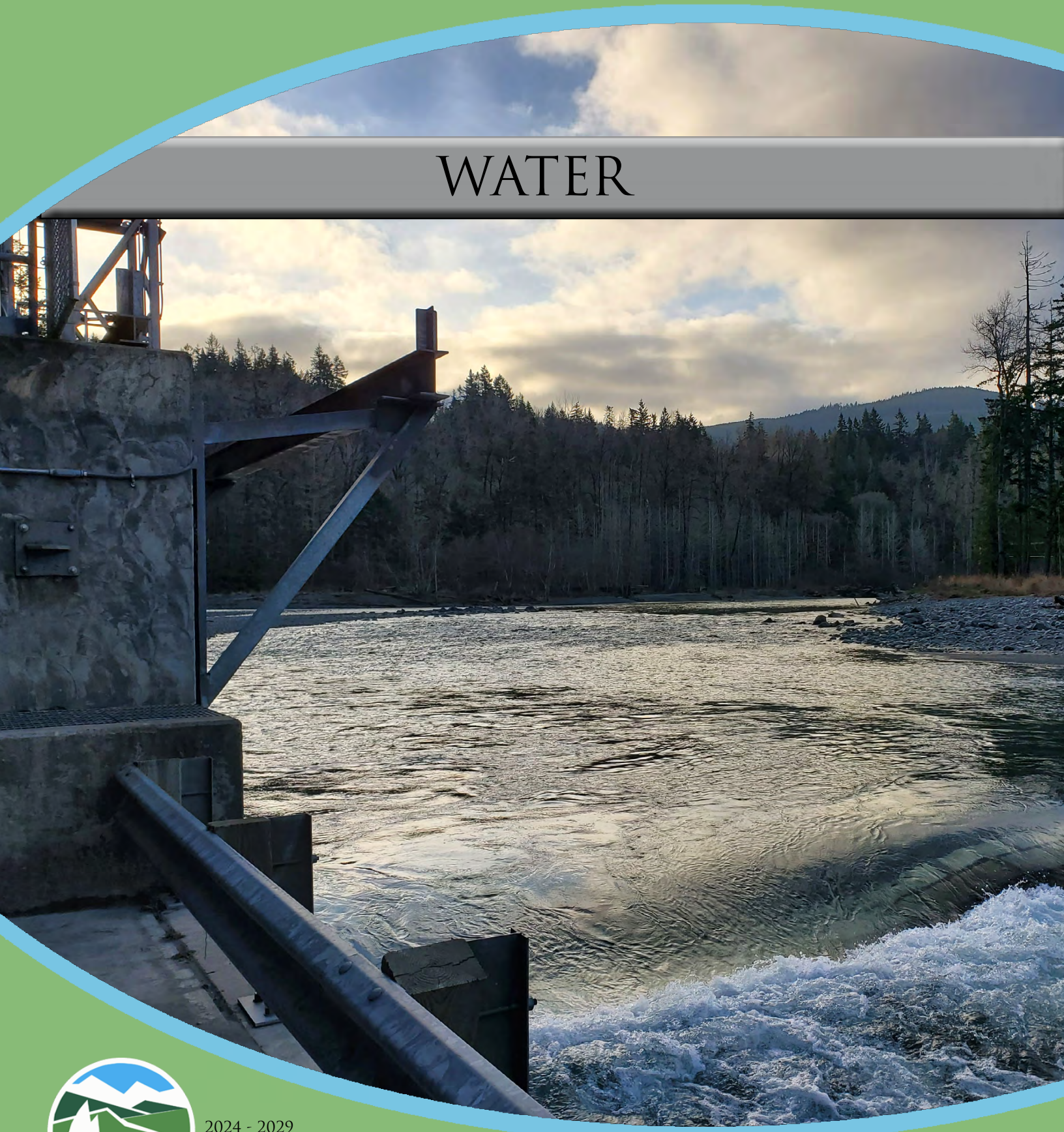
The federal Infrastructure bill passed by the US congress and signed by the President November 15, 2021 provides $5 billion to create a national system of electric vehicle (EV) charging stations. Plans are that the federal funding will cover 80% of the installation costs.

This funding provides a historic opportunity for Port Angeles to increase EV charging capacity, particularly for Fast Charging which is currently not available in the City's EV charging inventory.

While specifics must be developed and distributed by the federal government, it is beneficial for Port Angeles to position itself to take advantage of this funding.

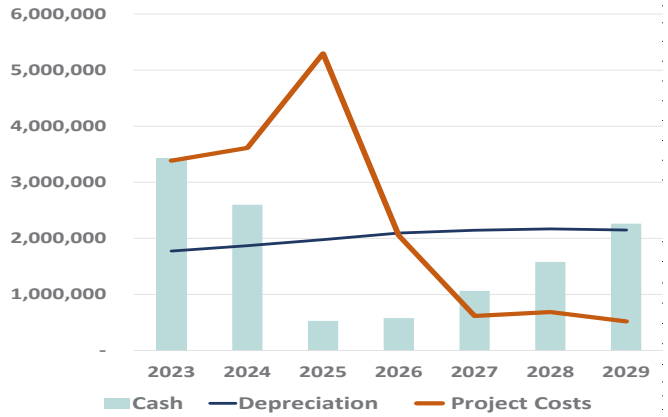

CITY OF PORT ANGELES
2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

WATER



WATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2024 - 2029
MANAGER: JONATHAN BOEHME
CONTACT: JBOEHME@CITYOFPA.US
PHONE: 360-417-4803



WATER FUND GOALS AND OBJECTIVES:
Maintain, replace and improve water infrastructure from transmission lines to meters within the City. The goal is provide clean drinking water usable for all potable purposes.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Water Capital Reserves	$ 373,300	$ 3,385,600	$ 3,612,700	$ 3,097,600	$ 2,050,000	$ 614,500	$ 683,600	$ 517,500
Grants	-	-	-	2,200,000	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
TOTAL	**$ 373,300**	**$ 3,385,600**	**$ 3,612,700**	**$ 5,297,600**	**$ 2,050,000**	**$ 614,500**	**$ 683,600**	**$ 517,500**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	81,600	1,111,400	764,400	100,000	180,000	90,000	115,000	85,000
Construction	291,700	2,274,200	2,848,300	5,197,600	1,870,000	524,500	568,600	432,500
TOTAL	**$ 373,300**	**$ 3,385,600**	**$ 3,612,700**	**$ 5,297,600**	**$ 2,050,000**	**$ 614,500**	**$ 683,600**	**$ 517,500**

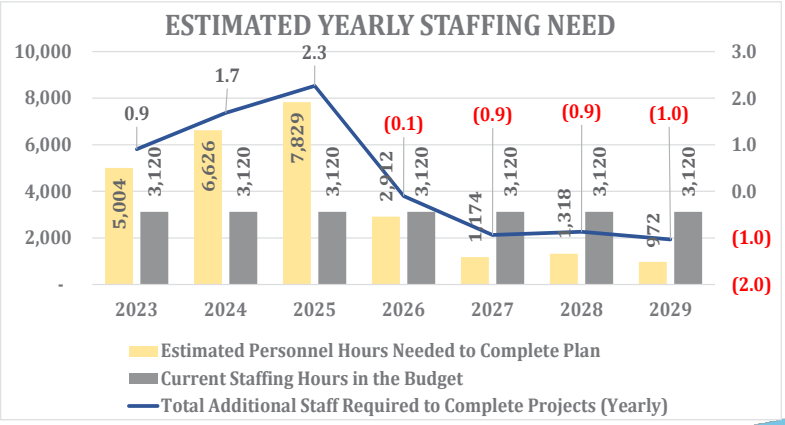
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor	4,800	336,700	446,000	527,000	196,000	79,000	88,700	65,500
Supplies								
Communications								
Depreciation	27,500	131,800	237,600	360,500	413,600	438,200	464,400	487,400
Other -Maint & Plans								
TOTAL OTHER COSTS	**$ 32,300**	**$ 468,500**	**$ 683,600**	**$ 887,500**	**$ 609,600**	**$ 517,200**	**$ 553,100**	**$ 552,900**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	5,004	6,626	7,829	2,912	1,174	1,318	972
Current Staffing Hours in the Budget	3,120	3,120	3,120	3,120	3,120	3,120	3,120
Difference	*1,884*	*3,506*	*4,709*	*(208)*	*(1,946)*	*(1,802)*	*(2,148)*
Total Additional Staff Required to Complete Projects (Yearly)	**0.9**	**1.7**	**2.3**	**(0.1)**	**(0.9)**	**(0.9)**	**(1.0)**

The current capital plan would require an average of 0.3 additional FTE's to complete; however, in years when large projects are included additional staffing will be required for completion.

Other existing staffing of 0.5 FTE per division are allocated to supporting operations, environmental compliance, and development services. Increasing funding levels to be offset with slight rate adjustments as well as the use of excess reserves in the operating fund.



WATER PROJECT LIST & CASH FLOW

Number	WATER PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
CAPWT	General Water Equipment	R	579,300	141,900	137,400	50,000	50,000	50,000	50,000	50,000	50,000
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	880,000	24,300	20,000	835,700	-	-	-	-	-
WT0218	Reservoir Instrumentation Upgrades	A	290,000	9,600	280,400	-	-	-	-	-	-
WT0321	Facility Assessment	A	10,000	-	10,000	-	-	-	-	-	-
WT0221	Race Street Water Main Replacement South	A	1,284,800	59,400	1,225,400	-	-	-	-	-	-
WT0420	Ennis Creek Water Main Relocate	A	264,000	-	-	264,000	-	-	-	-	-
WT0619	Peabody Reservoir Inlet Pipe Replacement	1	441,400	-	81,400	360,000	-	-	-	-	-
WT0519	Water Treatment Plant Repairs	2	300,000	-	300,000	-	-	-	-	-	-
WT0421	Race Street Water Main Replacement North	3	1,700,000	-	-	200,000	1,500,000	-	-	-	-
WT0319	Ground Water Resiliency Program	4	1,600,000	-	-	700,000	700,000	200,000	-	-	-
WT0121	White Creek & 3rd Street Main Crossing	5	720,000	-	120,000	600,000	-	-	-	-	-
WT0320	Morse Creek Transmission Main Eval/Design	6	440,000	-	440,000	-	-	-	-	-	-
WT0612	3rd & Vine Street Main	7	564,500	-	-	-	-	-	564,500	-	-
WT0219	Peabody Heights Floating Cover Replacement	8	506,000	-	-	253,000	253,000	-	-	-	-
WT0111	Liberty Street Water Main	9	610,300	15,700	-	-	594,600	-	-	-	-
WT0412	West 4th Street Water Main	10	1,800,000	-	-	-	-	1,800,000	-	-	-
WT0512	East 4th Street Water Main	11	633,600	-	-	-	-	-	-	633,600	-
WT0212	East 6th Street Water Main	12	467,500	-	-	-	-	-	-	-	467,500
WT0123	11th Street ROW Tumwater Creek Crossing	13	60,000	-	60,000	-	-	-	-	-	-
WT0223	14th Street ROW Tumwater Creek Crossing	14	60,000	-	60,000	-	-	-	-	-	-
WT0120	Water System SCADA Upgrade	UF	786,500	-	-	-	-	-	-	-	-
WT0717	Race/Caroline Street Fire Flow	UF	810,700	-	-	-	-	-	-	-	-
WT0112	10th Street Water Main	UF	1,095,100	-	-	-	-	-	-	-	-
WT0116	Marine Drive Main Replacement Phase II	UF	1,815,000	-	-	-	-	-	-	-	-
WT0117	Mill Creek Reservoir Expansion	UF	4,114,000	-	-	-	-	-	-	-	-
WT0119	McDougal Pressure Subzone	UF	847,000	-	-	-	-	-	-	-	-
WT0214	Transmission Main East of Golf Course Road	UF	2,752,800	-	-	-	-	-	-	-	-
WT0217	Airport/Edgewood Drive Water Main Extension	UF	6,050,000	-	-	-	-	-	-	-	-
WT0314	Tumwater Truck Route Commercial Fire Flow (LID)	UF	349,700	-	-	-	-	-	-	-	-
WT0317	Scribner Booster Station Upgrade	UF	1,815,000	-	-	-	-	-	-	-	-
WT0318	Viewcrest/Laurel Intertie/PRV	UF	242,000	-	-	-	-	-	-	-	-
WT0417	1st/Laurel Street Fire Flow	UF	464,600	-	-	-	-	-	-	-	-
WT0418	10th/11th Alley Water Main Replacement	UF	181,500	-	-	-	-	-	-	-	-
WT0517	6th/Laurel and 5th Street Fire Flow	UF	775,600	-	-	-	-	-	-	-	-
WT0617	Porter Street Zone PRV Improvements	UF	363,000	-	-	-	-	-	-	-	-
WT0817	St Andrews Place Fire Flow Loop	UF	641,300	-	-	-	-	-	-	-	-
WT0917	East First Street Fire Flow	UF	111,300	-	-	-	-	-	-	-	-
WT1017	18th Street Fire Flow	UF	581,500	-	-	-	-	-	-	-	-
WT1117	Lauridsen Blvd/Tumwater Fire Flow	UF	677,600	-	-	-	-	-	-	-	-
WT0323	Decant Facility Equipment	UF	70,000	-	-	-	-	-	-	-	-
WT0423	Advanced Metering Management	UF	3,000,000	-	-	-	-	-	-	-	-
INDUSTRIAL WATER LINE											
WT0122	Elwha - Fish Screen Facility Improvements	1	549,000	-	349,000	200,000	-	-	-	-	-
WT0222	Elwha - Effluent Distribution Structure Bypass	2	302,000	-	302,000	-	-	-	-	-	-
WT0422	Elwha - Temporary Diversion Pumping Facility/Bulkhead Projec	3	2,300,000	-	-	100,000	2,200,000	-	-	-	-
WT0522	Elwha - Facility Surplus	4	50,000	-	-	50,000	-	-	-	-	-
WT0322	Elwha - Surface Water Intake Improvements	UF	2,000,000	-	-	-	-	-	-	-	-
WT0622	Elwha - Screen House Project	UF	1,500,000	-	-	-	-	-	-	-	-
Total			**47,456,600**	**250,900**	**3,385,600**	**3,612,700**	**5,297,600**	**2,050,000**	**614,500**	**683,600**	**517,500**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	5,346,683	3,437,083	2,599,383	526,783	576,783	1,062,283	1,578,683
Funding sources:							
Water Rates	825,000	925,000	1,025,000	1,100,000	1,100,000	1,200,000	1,200,000
Grants	-	-	2,200,000	-	-	-	-
Bonds/Interest/Other - Excess Operating Reserve		1,500,000	-	1,000,000			
General Fund							
Donations							
Other Funds -NPS Reserves for Elwha Facility	651,000	350,000					
Spending:							
Costs	(3,385,600)	(3,612,700)	(5,297,600)	(2,050,000)	(614,500)	(683,600)	(517,500)
Ending Cash Balance	**3,437,083**	**2,599,383**	**526,783**	**576,783**	**1,062,283**	**1,578,683**	**2,261,183**
Depreciation	**1,772,395**	**1,868,781**	**1,975,719**	**2,093,193**	**2,143,252**	**2,167,641**	**2,147,466**
Depreciation to Cash Ratio	**1.94**	**1.39**	**0.27**	**0.28**	**0.50**	**0.73**	**1.05**

PROJECTS COMPLETED IN 2022		ACTUAL	Budget
CAPWT	General Water Equipment	1,685	50,000
WT0521	Water Main Replacement Village/Lind	122,326	122,400
TOTAL COMPLETED PROJECTS		**124,011**	**172,400**

Completed projects are not included in the ongoing project totals for expenditures or revenues.

Project Status: Revolving
Present Condition: Good
Latitude / Longitude: 48.125827, -123.520709
Project Manager: Lucio Baack
Estimated Life: 5 Years

About the Project:

This project is for the purchase of various large parts that have a value exceeding $7,500 such as pumps, and other equipment not affiliated with a specific water project.

Justification:

The treatment plant is now 10 years old and some routine repairs and upgrades are required to maintain peak operating efficiency.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Water Fund	$ 141,900	$ 137,400	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 141,900**	**$ 137,400**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	141,900	137,400	50,000	50,000	50,000	50,000	50,000	50,000
TOTAL	**$ 141,900**	**$ 137,400**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $579,300 **Estimated Total Design Cost: $26,500**

Estimated Personnel Hours for Project: N/A **Estimated Personnel Costs for Project: N/A**

Decant Facility at Transfer Station
Water Soils Decant Bays

WT0419





Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.125827, -123.520709
Project Manager: Lucio Baack
Estimated Life: 25 Years

ABOUT THE PROJECT:

Waters $880,000 contribution toward SW0112 Decant Facility at Transfer Station Project. Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea, the larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant. Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from the Department of Ecology (DOE) in the amount of $474,300 with a city match of 15% from the solid waste reserves in the amount $83,700. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of Solid Waste, Stormwater and Wastewater portions of the facility, the utilities are contributing through the following projects (SW0112) , (DR0120), & (WW0519).

JUSTIFICATION:

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Water Fund	$ 24,300	$ 20,000	$ 835,700					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
NICE Finds								
TOTAL	**$ 24,300**	**$ 20,000**	**$ 835,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	24,300	20,000	835,700					
TOTAL	**$ 24,300**	**$ 20,000**	**$ 835,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $880,000 **Estimated Total Design Cost: $45,000**

Estimated Personnel Hours for Project: 1,187 **Estimated Personnel Costs for Project: $79,865**

Reservoir Instrumentation Upgrades WT0218

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Lucio Baack
Estimated Life: 50 Years

ABOUT THE PROJECT:

This project will address the required communication and monitoring equipment repairs and replacements at the Black Diamond, Jones Street, Peabody, and "E" Street Reservoirs. Project will include the installation of new PLCs, instrumentation, monitoring equipment, & security systems.

JUSTIFICATION:

Much of the existing monitoring equipment at the City's reservoirs is out of date, communications equipment has been recently upgraded, but the corresponding SCADA monitoring equipment and controls equipment will need to be installed. Communication/monitoring equipment failures cannot be verified via SCADA, and therefore require time consuming site visits to address.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund	$ 9,600	$ 280,400						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 9,600**	**$ 280,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	9,600	280,400						
TOTAL	**$ 9,600**	**$ 280,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $290,000 **Estimated Total Design Cost: $54,000**

Estimated Personnel Hours for Project: 583 **Estimated Personnel Costs for Project: $39,256**

PROJECT STATUS: PLANNING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE: 48.111244, -123.461973
PROJECT MANAGER: DAVID WEGENER
ESTIMATED LIFE:



ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Water utility's contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Stormwater (DR0121), Wastewater (WW0121), and from the Transportation Fund (TR0821) in the amount of $10,000 to equal a total amount of $50,000.

JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund		$ 10,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 10.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		10,000						
TOTAL	**$ 0**	**$ 10.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $10,000
Estimated Total Design Cost: $10,000
Estimated Personnel Hours for Project: 21
Estimated Personnel Costs for Project: $1,400

Race Street Water Main Replacement South WT0221

Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.104562, -123.426072
Project Manager: Jeremy Pozernick
Estimated Life: 50 Years



About the Project:

This project replaces 2,300 LF of 6" Asbestos Concrete Water Main on Race St. between 8th Street and Park St. with a new 8" Ductile Iron water-main, also renews service lines and sub-mains at street crossings on East 8th and East 10th.

Justification:

A recent water main break on Race Street between Lauridsen Blvd and Park St. has highlighted the vulnerability of this asset to the City. The Original AC Pipe was installed in 1956, but doesn't have a long history of repairs. The goal of this project would be to time the replacement of this asset with the construction of the Race Street Complete Design and Construction Phase 1, a capital improvement on the Transportation CFP. The Utility is concerned that future repairs following the completion of the Race Street Complete Design and Construction Phase 1, would be at a greater expense and could damage the newly paved Race Street Corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund	$ 59,400	$ 1,225,400						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 59,400**	**$ 1,225,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	59,400	1,225,400						
TOTAL	**$ 59,400**	**$ 1,225,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,284,800 **Estimated Total Design Cost: $65,000**

Estimated Personnel Hours for Project: 850 **Estimated Personnel Costs for Project: $57,185**

Ennis Creek Water Main Relocate WT0420



Project Status: Pre-Planning
Present Condition: Good
Latitude / Longitude: 48.105713, -123.394216
Project Manager: Lucio Baack
Estimated Life: 50 Years

About the Project:

Relocate and replace the 6" AC force main crossing Ennis Creek, in partnership with the Washington State Department of Transportation. Project planned for 2024 construction.

Justification:

The Washington State Department of Transportation is removing the Ennis Creek Culvert fish passage barrier. The City will need to temporarily relocate the water line during construction and then replace the waterline.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund			$ 264.000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 264.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			264,000					
TOTAL	**$ 0**	**$ 0**	**$ 264.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $264,000
Estimated Total Design Cost: $50,000
Estimated Personnel Hours for Project: 549
Estimated Personnel Costs for Project: $36,960

Peabody Reservoir Inlet Pipe Replacement WT0619

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.098590, -123.432657
Project Manager: Rob Feller
Estimated Life: 50 Years

ABOUT THE PROJECT:

The 20" cast iron force main into the Peabody Reservoir is highly corroded, and two 20" valves need to be replaced. Design costs for the project include an inspection of the forcemain discharging into the reservoir to assess its condition, and to determine an appropriate way to rehabilitate the pipe or to determine extent of replacement effort. Currently one pipe serves as both the inlet and outlet pipe for the Peabody Reservoir, this project will also evaluate the feasibility of installing a new inlet main into the reservoir. Inspection and replacement of the valves will require a line stop. Asset evaluation and inspection scheduled for 2023, valve replacement and other construction activity in 2024. Construction may require bypass pumping, may involve CIPP or slip lining the existing pipe. New inlet pipe design / installation should line up with the installation of the new Peabody Reservoir Floating Cover Replacement.

JUSTIFICATION:

Failure of the Peabody Reservoir inlet/outlet line would bring the reservoir offline. Additionally, failure of the line could cause damage to the Peabody Reservoir earthen dam and flood down stream property. Installation of a inlet pipe to the Peabody Reservoir would improve water mixing, mixing is important because uneven mixing results in zones of aged water, where long residence time depresses disinfectant residuals.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund		$ 81,400	$ 360.000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 81.400**	**$ 360.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		81,400	360,000					
TOTAL	**$ 0**	**$ 81.400**	**$ 360.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $441,400
Estimated Total Design Cost: $81,400
Estimated Personnel Hours for Project: 918
Estimated Personnel Costs for Project: $61,796

Water Treatment Plant Repairs WT0519

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.125756, -123.518261
Project Manager: Rob Feller
Estimated Life: 25 Years

ABOUT THE PROJECT:

This project will start with a Water Treatment Plant (WTP) Condition Assessment. A Consultant will develop a list of assets to be repaired or replaced, and new operating and maintenance procedures. Installation of replacement equipment will performed by WTP staff or a contractor, depending on the complexity of the work.

JUSTIFICATION:

The treatment plant is now 10 years old and some routine repairs and upgrades are required to maintain peak operating efficiency.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund		$ 300,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 300.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		300,000						
TOTAL	**$ 0**	**$ 300.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

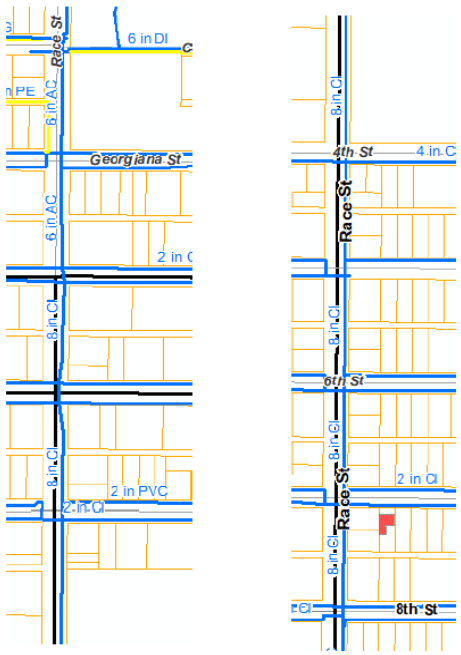
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $300,000 **Estimated Total Design Cost: $125,000**

Estimated Personnel Hours for Project: 624 **Estimated Personnel Costs for Project: $42,000**

Race Street Water Main Replacement North WT0421

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.104562, -123.426072
Project Manager: Lucio Baack
Estimated Life: 50 Years



About the Project:

This project replaces 3400 LF of 8" Cast Iron and 6" Asbestos Concrete Water Main on Race St. between 8th Street and Caroline St. with a new 8" Ductile Iron water-main, also renews service lines and sub-mains at street crossings.

Justification:

A recent water main break on Race Street between Lauridsen Blvd and Park St. has highlighted the vulnerability of this asset to the City. The goal of this project would be to time the replacement of this asset with the construction of the Race Street Complete Design and Construction Phase North, a capital improvement on the Transportation CFP. The Utility is concerned that future repairs following the completion of the Race Street Complete Design and Construction Phase North, would be at a greater expense and could damage the newly paved Race Street Corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund			$ 200.000	$ 1,500.000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 200.000**	**$ 1,500.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			200,000	1,500,000				
TOTAL	**$ 0**	**$ 0**	**$ 200.000**	**$ 1,500.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,700,000 **Estimated Total Design Cost: $200,000**

Estimated Personnel Hours for Project: 1,768 **Estimated Personnel Costs for Project: $119,000**

Ground Water Resiliency Program WT0319

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: Varies
Project Manager: Lucio Baack
Estimated Life: 50 Years

ABOUT THE PROJECT:

This program will develop water system resiliency by using ground water to meet peak day water demands. The program will begin with an analysis to locate the future locations for ground water wells based on locations of existing reservoirs, hydrology and water quality. Pilot test wells will be installed to measure actual yields and water characteristics. Based on this study water rights will be negotiated and construction of a production well will commence. Construction costs for a production well are unfunded.

JUSTIFICATION:

These ground water wells will be a secondary source of water for the City's municipal water system to provide water system resiliency and relieve pressure off the Elwha River during low flow conditions.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Water Fund			$ 700.000	$ 700.000	$ 200.000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 700.000**	**$ 700.000**	**$ 200.000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			700,000	700,000	200,000			
TOTAL	**$ 0**	**$ 0**	**$ 700.000**	**$ 700.000**	**$ 200.000**	**$ 0**	**$ 0**	**$ 0**

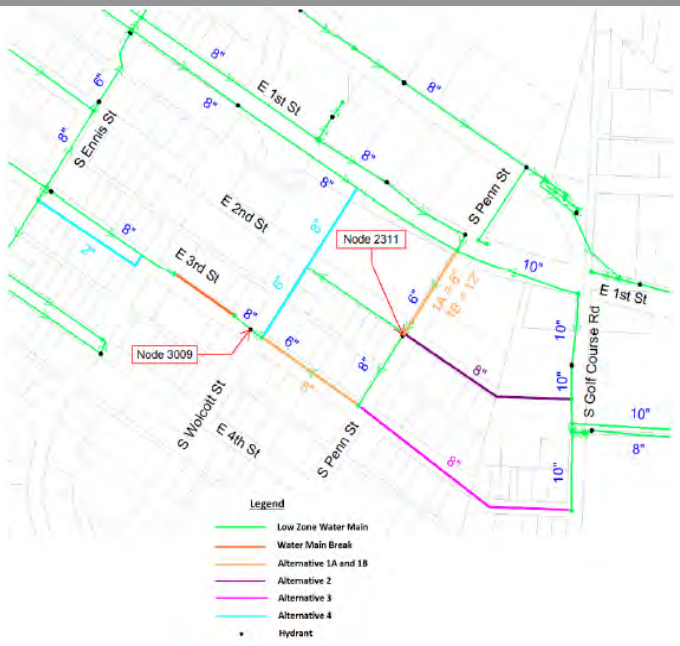
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,600,000 **Estimated Total Design Cost: $300,000**

Estimated Personnel Hours for Project: 3,328 **Estimated Personnel Costs for Project: $224,000**

White Creek & 3rd Street Main Crossing WT0121

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.106395, -123.408495
Project Manager: Lucio Baack
Estimated Life: 50 Years



About the Project:

There are several alternative methods of restoring fire flow to the affected hydrants. The cost/benefit of each alternative should be evaluated. Options range from simple replacement of the damaged creek crossing, to alternative pipe alignments which restore flow rates without working in the creek. Possible Horizontal Directional Drilling project.

Justification:

An 8" water main under White Creek was damaged during a December 21 2020 rain fall event. Water Operations isolated the damaged section on both sides of the creek. Water system modeling has indicated that the inactive creek crossing has negatively impacted the fire flow rating of two fire hydrants. One on 3rd & Wolcott and the other on 2nd & Penn.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund		$ 120,000	$ 600.000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 120.000**	**$ 600.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		120,000	600,000					
TOTAL	**$ 0**	**$ 120.000**	**$ 600.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

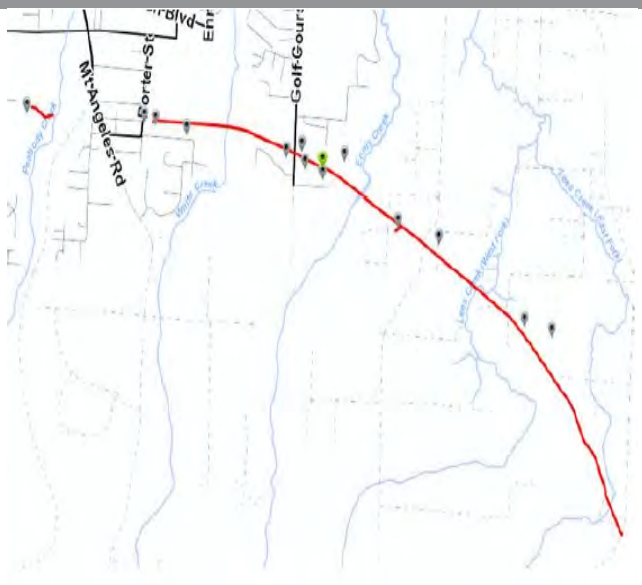
Estimated Total Project Cost: $720,000 **Estimated Total Design Cost: $120,000**

Estimated Personnel Hours for Project: 1,498 **Estimated Personnel Costs for Project: $100,800**

Morse Creek Transmission Main Evaluation/Design

WT0320

Project Status: Pre-Planning
Present Condition: Poor
Latitude / Longitude: 48.098623, -123.410069
Project Manager: Lucio Baack
Estimated Life: 60 Years



ABOUT THE PROJECT:

The Morse Creek Transmission main concrete cylinder pipe (CCP) needs to be replaced, or an alternative method of delivering water to its service area needs to be developed. More leaks are anticipated by the City until repairs are made. The need for replacement of this type of pipe understood and is being, or has been, undertaken at several utilities around western Washington. The City's CCP replacement has been on the capital improvements list for replacement as early as 1993. Portion of the project may include Horizontal Directional Drilling work.

JUSTIFICATION:

The City of Port Angeles has approximately 19,000 linear feet of CCP built in the mid-1950's to early 1960's. The pipe has documented corrosion and has failed on frequent occasions due to corrosion. Failures of concrete cylinder pipe can be more catastrophic than other pipe materials and release large amounts of water and therefore have a higher potential to cause property damage. The reason for this is that bar wrapping tends to break like a zipper upon failure resulting in a larger leak opening.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund		$ 440,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 440,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		440,000						
TOTAL	**$ 0**	**$ 440,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $440,000

Estimated Total Design Cost: $440,000

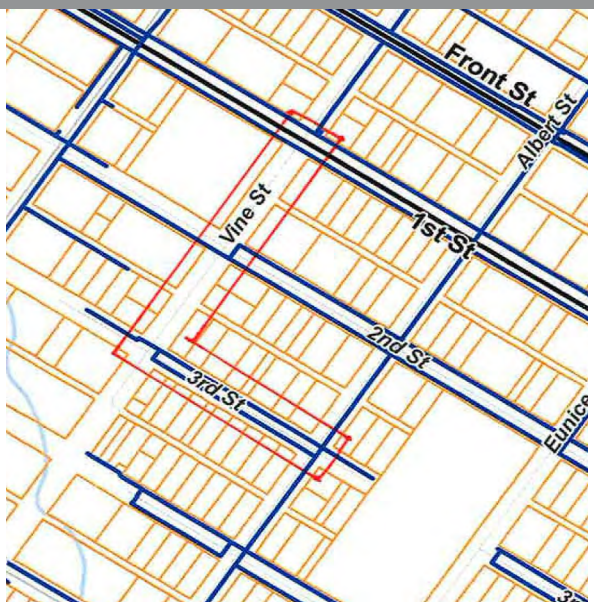
Estimated Personnel Hours for Project: 915

Estimated Personnel Costs for Project: $61,600

3rd & Vine Street Main

WT0612

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.114239002, -123.427759409
Project Manager: Lucio Baack
Estimated Life: 50 Years



About the Project:

Install a new 8" ductile iron main, renew existing service lines and sub-mains at street crossings on Vine Street between 1st and 3rd, and replace 2" mains on 3rd between Albert Street and Vine Street with new 8" ductile iron main, renew service lines and sub-mains at street crossings as well as tie into main on the northwest corner of 3rd and Vine Streets, and set a new fire hydrant.

Justification:

Currently the system has poor system reliability, and a hydrant for fire safety is needed in the area. Several leaks in the 2" cast iron mains have caused costly repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund						$ 564,500		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
NICE Finds								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 564,500**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						564,500		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 564,500**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $564,500
Estimated Total Design Cost: $90,000
Estimated Personnel Hours for Project: 1,174
Estimated Personnel Costs for Project: $79,027

Peabody Heights Floating Cover Replacement WT0219

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.098590, -123.432657
Project Manager: Lucio Baack
Estimated Life: 25 Years

ABOUT THE PROJECT:

This project will replace the floating cover on the Peabody Heights Reservoir. The original floating cover was installed in September of 2003. The original life expectancy was 25 years. With routine maintenance, inspection and repair the cover has met that life expectancy.

JUSTIFICATION:

During the last inspection in 2018 it was noted in the report that the cover may last 5 more years. During discussions with the inspector it was noted that we should start planning replacement of the cover.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund			$ 253,000	$ 253,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 253,000**	**$ 253,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			253,000	253,000				
TOTAL	**$ 0**	**$ 0**	**$ 253,000**	**$ 253,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

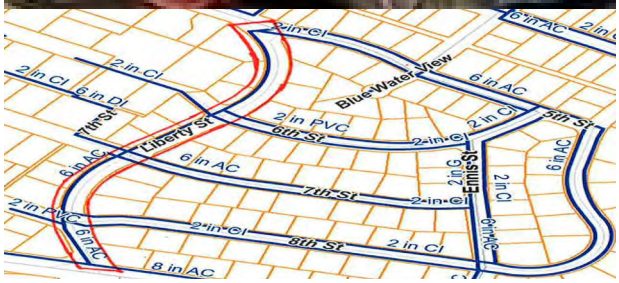
Estimated Total Project Cost: $506,000 **Estimated Total Design Cost: $92,000**

Estimated Personnel Hours for Project: 1,052 **Estimated Personnel Costs for Project: $70,840**

Liberty Street Water Main WT0111

Project Status: Design
Present Condition: Fair
Latitude / Longitude: 48.104713, -123.415656
Project Manager: Lucio Baack
Estimated Life: 50 Years





About the Project:

Replace approximately 1,500 feet of existing 6" asbestos-concrete water main along Liberty Street, renew service lines, and sub-main street crossings between Lauridsen Boulevard and 5th Street based on a survey performed in 2018.

Justification:

Significant damage to the water main occurred in February 2011, this project will prevent another major main break. This area has a high failure rate.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund	$ 15,700			$ 594.600				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 15.700**	**$ 0**	**$ 0**	**$ 594.600**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

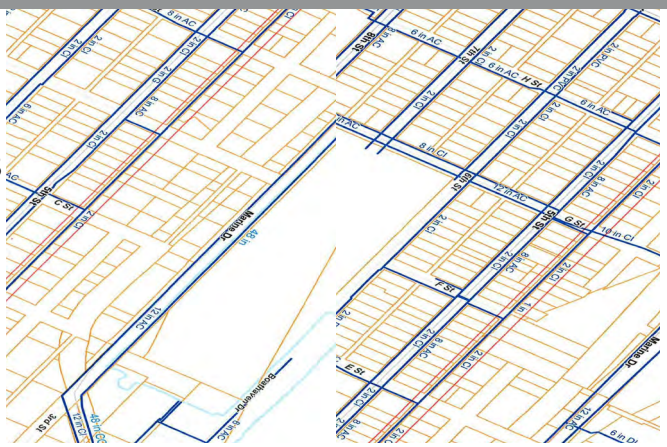
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	15,700			594,600				
TOTAL	**$ 15.700**	**$ 0**	**$ 0**	**$ 594.600**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $610,300 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 1,237 **Estimated Personnel Costs for Project: $83,237**

West 4th Street Water Main WT0412



Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.123457203, -123.454227448
Project Manager: Lucio Baack
Estimated Life: 50 Years

ABOUT THE PROJECT:

Replace a 2" cast iron main with a 8" ductile iron main, renew service lines and sub-mains at street crossings, and install a fire hydrant on West 4th between "A" and "I" Streets.

JUSTIFICATION:

High emergency repair cost for the cast iron pipes with poor reliability will continue to occur without replacement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund					$ 1,800,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 1,800,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					1,800,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 1,800,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,800,000 **Estimated Total Design Cost: $180,000**

Estimated Personnel Hours for Project: 2,496 **Estimated Personnel Costs for Project: $168,000**

East 4th Street Water Main

WT0512

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.1078945, -123.4148740
Project Manager: Lucio Baack
Estimated Life: 50 Years



About the Project:

Replace a 3" asbestos-concrete main on 4th Street between Chambers and Ennis Streets with a 8" ductile iron water main, renew service lines and sub-mains at street crossings.

Justification:

Replaces an asbestos-concrete main which is prone to a failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund							$ 633,600	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 633,600**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							633,600	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 633,600**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $633,600
Estimated Total Design Cost: $115,000
Estimated Personnel Hours for Project: 1,318
Estimated Personnel Costs for Project: $88,704

East 6th Street Water Main

WT0212

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.112436309, -123.431975842
Project Manager: Lucio Baack
Estimated Life: 50 Years



About the Project:

Replace the 3" asbestos-concrete and 2" cast iron mains with a new 8" ductile iron main, renew service lines and sub-mains at street crossings on East 6th Street between Chase Street and Vine Street.

Justification:

Continued high repair costs for the asbestos-concrete and cast iron pipes with poor reliability without these upgrades/repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund								$ 467,500
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 467,500**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs								467,500
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 467,500**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $467,500
Estimated Total Design Cost: $85,000
Estimated Personnel Hours for Project: 972
Estimated Personnel Costs for Project: $65,450

11th Street ROW Tumwater Creek Crossing WT0123



Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.115666, -123.454380
Project Manager: Lucio Baack
Estimated Life: 50 years

ABOUT THE PROJECT:

This is a Horizontal Directional Drilling (HDD) drilling project to replace an aging water utility crossing under Tumwater Creek. Project design is funded, the City intends to evaluate/select a design Consultants to preform predesign evaluations, geotechnical investigations, environmental permitting, and design work on four creek crossings. (WT0123) 11th St ROW Tumwater Creek Crossing, (WT0223) 14th St ROW Tumwater Creek Crossing, (WT0121) White Creek & 3rd Main Crossing, and (WT0230) Morse Creek Transmission Main Eval/Design. Construction is unfunded.

JUSTIFICATION:

Creek Crossing under Tumwater Creek has recently failed and repaired. The main is 68 years old and needs to be replaced to avoid costly future repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund		$ 60,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		60,000						
TOTAL	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $60,000 **Estimated Total Design Cost: $60,000**

Estimated Personnel Hours for Project: 125 **Estimated Personnel Costs for Project: $8,400**

14th Street ROW Tumwater Creek Crossing WT0223



Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.112753, -123.455871
Project Manager: Lucio Baack
Estimated Life: 50 years

ABOUT THE PROJECT:

This is a Horizontal Directional Drilling (HDD) drilling project to replace an aging water utility crossing under Tumwater Creek. Project design is funded, the City intends to evaluate/select a design Consultants to preform predesign evaluations, geotechnical investigations, environmental permitting, and design work on four creek crossings. (WT0123) 11th St ROW Tumwater Creek Crossing, (WT0223) 14th St ROW Tumwater Creek Crossing, (WT0121) White Creek & 3rd Main Crossing, and (WT0230) Morse Creek Transmission Main Eval/Design. Construction is unfunded.

JUSTIFICATION:

Creek Crossing under Tumwater Creek in the 14th St Right of Way has been out of service and needs repair. The main is 88 years old and needs to be replaced to avoid costly future repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund		$ 60,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		60,000						
TOTAL	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $60,000 **Estimated Total Design Cost: $60,000**

Estimated Personnel Hours for Project: 125 **Estimated Personnel Costs for Project: $8,400**

INDUSTRIAL WATER CAPITAL PROJECTS

Elwha - Fish Screen Facility Improvements WT0122

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.114720, -123.550133
Project Manager: Lucio Baack
Estimated Life: 50 Years

ABOUT THE PROJECT:

The two existing submersible pumps used for removal of accumulated sediment need an effective and operator-friendly means of installation and removal that facilitates regular operations as well as routine inspection, maintenance, and repair. Additionally, there is no convenient location on-site to inspect the pumps, undertake routine maintenance, and make minor repairs. This project would address those issues and several others.

JUSTIFICATION:

The Fish Screens at the Elwha Water System are critical to the ongoing operation of the Industrial water system. The continual deposition of sediment and fine gravels at the Fish Screen Structure is a challenge for City operations. The City and it's consultant Jacobs Engineering have identified several potential facility modifications, to increase efficiency of labor, address safety issues, increase resiliency against the effects of winter storms. The two existing submersible pumps need an effective and operator-friendly means of installation and removal that facilitates regular operations as well as routine inspection, maintenance, and repair. Additionally, there is no convenient location on-site to inspect the pumps, undertake routine maintenance, and make minor repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund		$ 349,000	$ 200.000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 349,000**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		349,000	200,000					
TOTAL	**$ 0**	**$ 349,000**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $549,000 **Estimated Total Design Cost: $149,000**

Estimated Personnel Hours for Project: 1,142 **Estimated Personnel Costs for Project: $76,860**

Elwha - Effluent Distribution Structure Bypass

WT0222



Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.118279, -123.549432
Project Manager: Lucio Baack
Estimated Life: 50 Years

ABOUT THE PROJECT:

The Effluent Distribution Structure (EDS) distributes industrial water to Washington Department of Fish & Wildlife (WDFW), McKinley Paper, and Lower Elwha Klallam Tribe (LEKT). The Facility also includes a pump system to convey Elwha Surface Water to the Port Angeles Water Treatment Plant (PAWTP).

Project includes:
- dewatering and sediment removal from EDS
- pump servicing by manufacturer
- installation of bypass pipe
-design (design currently at 90% level, plans and specs need to be finished)

JUSTIFICATION:

In the Event that the Port Angeles Ranney Well were to fail to provide necessary flow rates to the PAWTP, or fail entirely. The Effluent Distribution Structure is designed to conveying Elwha River surface water to the PAWTP for treatment. Currently there is no way to maintain/exercise the transfer pumps without disrupting the on-going operation of the PAWTP. A Pump Bypass at the EDS needs to be installed to facilitate regular maintenance of the EDS pumps. Doing so will ensure that they are ready for use in an emergency situation.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund		$ 302,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 302,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		302,000						
TOTAL	**$ 0**	**$ 302,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $302,000

Estimated Total Design Cost: $66,000

Estimated Personnel Hours for Project: 628

Estimated Personnel Costs for Project: $42,280

Elwha - Temporary Diversion Pumping Facility/Bulkhead Project

WT0422

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.114997, -123.552113
Project Manager: Lucio Baack
Estimated Life: N/A



About the Project:

The City has not settled on a plan for the Temporary Diversion Pumping Facility (TDPF), this project is in a pre-planning stage. This project is dependent on grant obtaining grant funds.

Justification:

The Temporary Diversion Pumping Facility (TDPF) was intended to be used temporarily during the years after Elwha dam-removal, only when necessary, during times of high river turbidity and debris-load that could render the ESWI and Fish Screen Structure inoperable, primarily because of excessive sediment and debris deposition in the Fish Screen Structure. The TDPF has not been operated to meet the supply needs of the users of the Elwha industrial supply in four to five years. There is no significant benefit to the City's domestic water supply for retaining the TDPF and in doing so burdening the City's rate payers for its associated capital and O&M costs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Water Fund			$ 100,000					
Grants				2,200,000				
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 100,000**	**$ 2,200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			100,000	2,200,000				
TOTAL	**$ 0**	**$ 0**	**$ 100,000**	**$ 2,200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $2,300,000 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 3,189 **Estimated Personnel Costs for Project: $214,667**

Elwha - Facility Surplus

WT0522



Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.115362, -123.549179
Project Manager: Lucio Baack
Estimated Life: N/A

About the Project:

Various Elwha Water Facility components are not necessary to the City's ongoing operation of the Industrial Water System. The goal of this project is the surplus and decommission equipment and facilities which are no longer needed. Scope and budget of the project is dependent on which facilities the City elects to decommission. Construction costs currently unknown, engineers estimate will be developed in the design phase.

Justification:

The Elwha Water Treatment Plant facilities were constructed to mitigate changes in the Elwha River and enable intake and supply of Elwha River water to the users of the industrial water system. In some cases, the facilities were intended to mitigate temporary changes and impacts occurring within the few years after dam-removal. In other cases, the new facilities were intended to be permanent. This project aims to decommission / surplus the temporary facilities which serve no long-term use to the industrial water system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Water Fund			$ 50,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 50,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			50,000					
TOTAL	**$ 0**	**$ 0**	**$ 50,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $50,000

Estimated Total Design Cost: $50,000

Estimated Personnel Hours for Project: 208

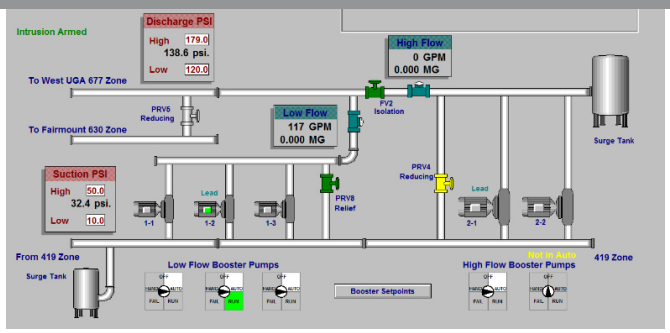
Estimated Personnel Costs for Project: $14,000

WATER UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Water System SCADA Upgrade — WT0120

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.125827, -123.520709
Project Manager: Lucio Baack
Estimated Life: 25 years
Estimated Total Project Cost: $786,500



About The Project:

The City accepted transfer of the Industrial Water Facility (IWF) from the National Parks Service (NPS) in 2018. The Elwha and PAWTP SCADA system are in need of some software upgrades, repairs, and modernization. Erroneous alarms complicate work for the operators. Water Operations staff desire the ability to remotely monitor water facilities (Ranney well, reservoirs, and booster pump stations), and Elwha from the PAWTP. This project will be more completely scoped out through a professional service agreement with Jacobs, Inc. The SCADA needs of PAWTP, each individual IWF facility, pump station, & reservoir will be considered during the design phase of this project.

Justification:

The PAWTP SCADA system is in need of an upgrade to a modern version of the software infrastructure. Various water facilities have SCADA or communication problems. Communication methods to several water facilities need to be modernized, or have been recently modernized and need SCADA PLC upgrades. Linking the PAWTP, Elwha and other remote facilities would assist water utility staff in operating the facilities more efficiently. The IWF would be remotely monitored, from the PAWTP allowing for reduced staff travel time to respond to alarms.

Race/Caroline Street Fire Flow WT0717

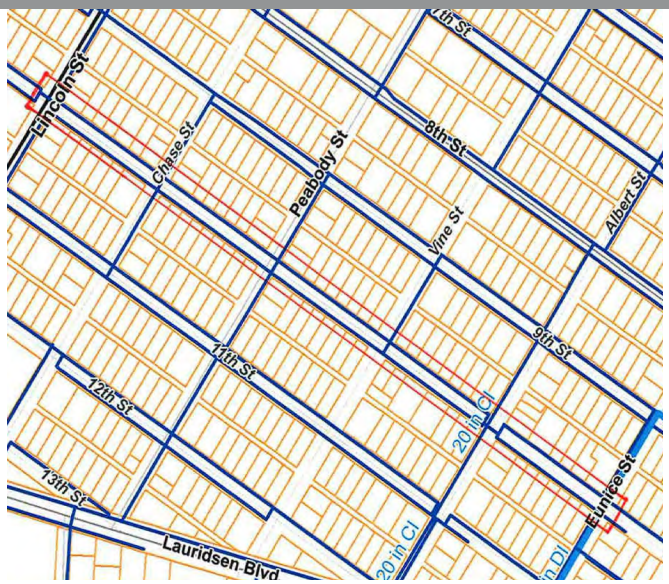


Project Status: Unfunded
Present Condition: Good
Latitude / Longitude: 48.1156, -123.4166
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $810,700

About The Project:
Replace 6-inch-diameter pipe in Race Street from Front Street to Caroline Street and 6-inch-diameter pipe in Caroline Street from Race Street to Chambers Street with new 12-inch pipe (pipe size to be verified). The total length of the new pipeline is approximately 1,900 feet.

Justification:
This project is to increase fire flow capacity for the nearby hospital and businesses. This project was a result of the Water System Plan Update modeling.

10th Street Water Main WT0112

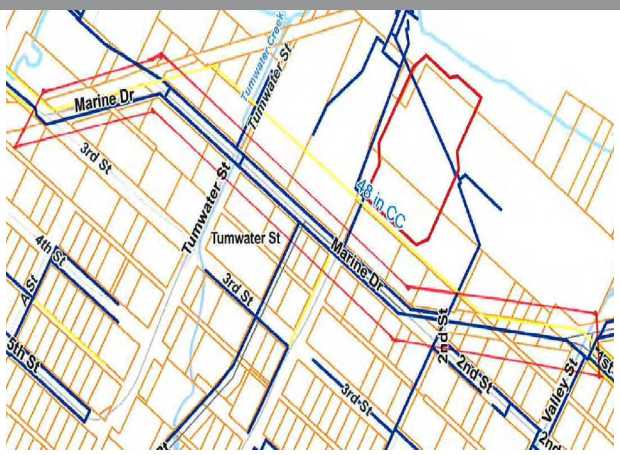


Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1074606, -123.4314887
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $1,095,100

About The Project:
Replace the 2-inch cast iron mains with a 8" ductile iron main, and renew service lines and sub-mains at street crossings on East 10th Street between Lincoln and Eunice Streets.

Justification:
High repair cost for cast iron pipe with poor reliability will continue to occur without replacement.

Marine Drive Main Replacement Phase II — WT0116



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.119790232, -123.440923691
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $1,815,000

About The Project:
Replace the 12-inch cast iron and 6-inch asbestos-concrete main in Marine Drive between east end of the Boat Haven and Valley Street.

Justification:
Aged AC and cast iron water mains are functionally obsolete and have had numerous breaks due to its reduced integrity in high pressure events.

Mill Creek Reservoir Expansion — WT0117

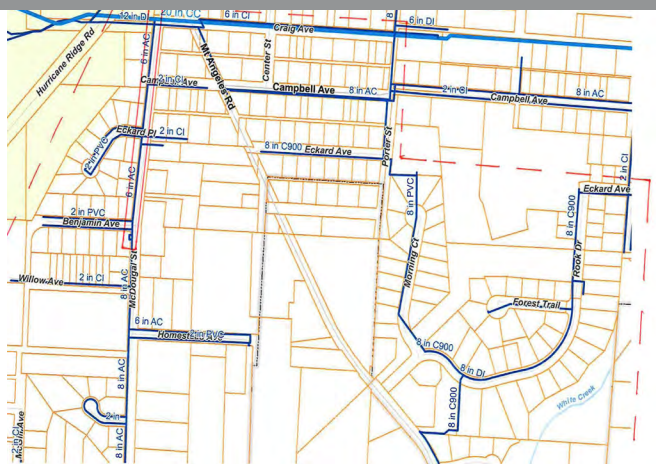


Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.0872, -123.4393
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $4,114,000

About The Project:
Build a new storage reservoir adjacent to the existing Mill Creek reservoir. The City intends to maximize use of its adjacent reservoir site to the extent practical, which could result in a reservoir of 1.5 MG or more.

Justification:
The City's high zone is deficient in storage. A new reservoir will be needed to alleviate this deficiency.

McDougal Pressure Subzone WT0119



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.0973, -123.4248
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Estimated Total Project Cost: $847,000

About The Project:
Installation of 1,000 feet of 12-inch pipe, a valve station, RTU from Mill Creek pumps, SCADA and telemetry.

Justification:
This area meets daily requirements for water flow, but does not meet fire flow requirements.

Transmission Main East of Golf Course Road WT0214



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.094553521, -123.402364254
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $2,752,800

About The Project:
Replace a portion of the 20-inch concrete cylinder transmission main east of Golf Course Road near Maddock Road.

Justification:
The aged concrete cylinder transmission main has numerous breaks due to its reduced integrity in high pressure events. Replacement of this main is identified as project M2 in the 2002 Water System Plan.

Airport/Edgewood Drive Water Main Extension

WT0217

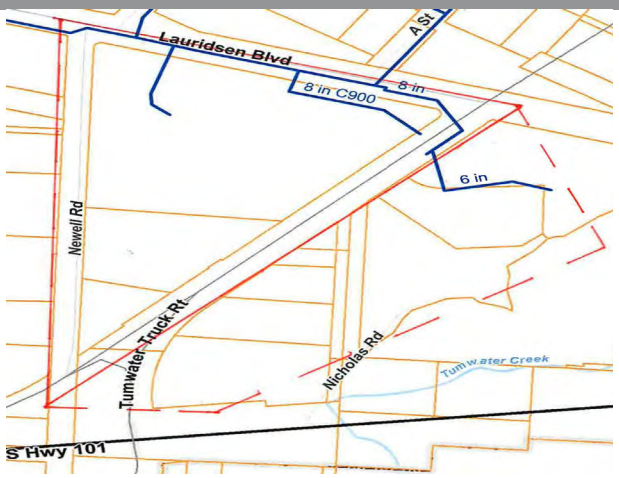
Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1121, -123.4961
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $6,050,000

About The Project:
Install a 12-inch diameter pipeline loop northward along Lower Elwha Road to the supply pipeline alignment and eastward to the discharge of the PAWTP. The total pipeline distance for this loop would be approximately 18,500 feet.

Justification:
This pipeline is necessary for development of the West Urban Growth Area. The timing for this project depends on those pushing for the development and factors related to the development. This project will be funded in part by developers and/or others.

Tumwater Truck Route Commercial Fire Flow (LID)

WT0314

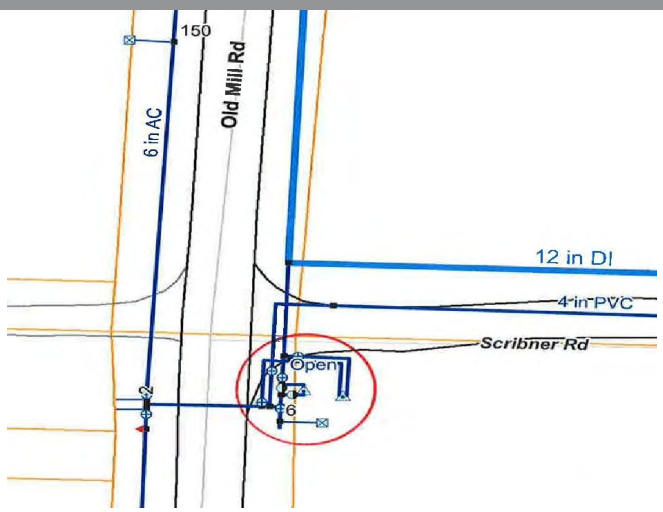


Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.110258896, -123.461780548
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $349,700

About The Project:
Install a new 6" ductile iron water main on Tumwater Truck Route between Lauridsen Blvd and HWY 101 to increase fire flow and allow metered connections to commercial business. An alternative alignment would be to install a larger main on Newell Road. May consider pairing with WT1117 Lauridsen Blvd/Tumwater Fire Flow.

Justification:
Current available flows are not sufficient to maintain fire protection in the area for planned commercial expansion.

Scribner Booster Station Upgrade WT0317

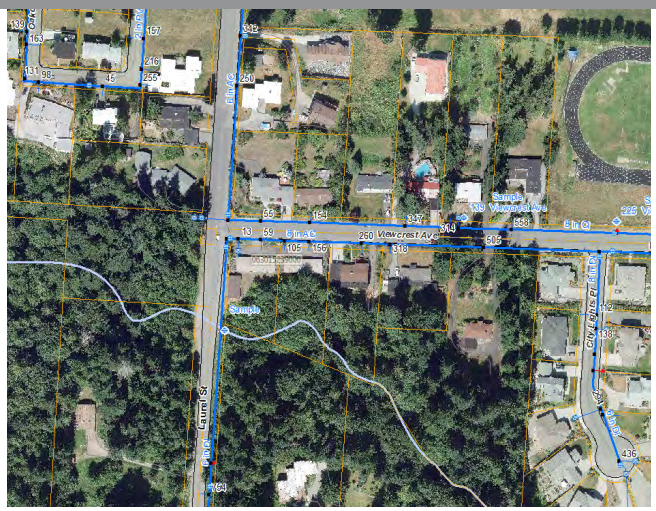


Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.0874, -123.4409
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $1,815,000

About The Project:
Install a below-grade station contained in a single concrete vault with two duty pumps (one as redundant) and a single high flow pump for fire flows. including a plug-in connection for a backup generator.

Justification:
The Scribner Booster Station has an excellent history of reliable operation, but it is an aging facility of deteriorating condition whose long-term reliability and functionality are uncertain.

Viewcrest/Laurel Intertie/PRV WT0318



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.098039, -123.445666
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $242,000

About The Project:
This project will install an intertie and pressure reducing valves (PRV) at the Viewcrest and Laurel Avenue intersection.

Justification:
Water system pressure in this area is low and not reliable. This intertie and PRV will provide higher pressure to assist in meeting fire compliance as well as better pressure for the residential use.

1st/Laurel Street Fire Flow WT0417



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1190, -123.4335
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $464,600

About The Project:
Install 960 linear feet of new 8-inch or 12-inch pipe, reconnect existing service lines and street crossings at intersections on First Street and Laurel Street, and replace existing 6-inch pipelines on both streets.

Justification:
This project will increase fire flow capacity for nearby businesses. This project was a result of the Water System Plan Update modeling.

10th/11th Alley Water Main Replacement WT0418



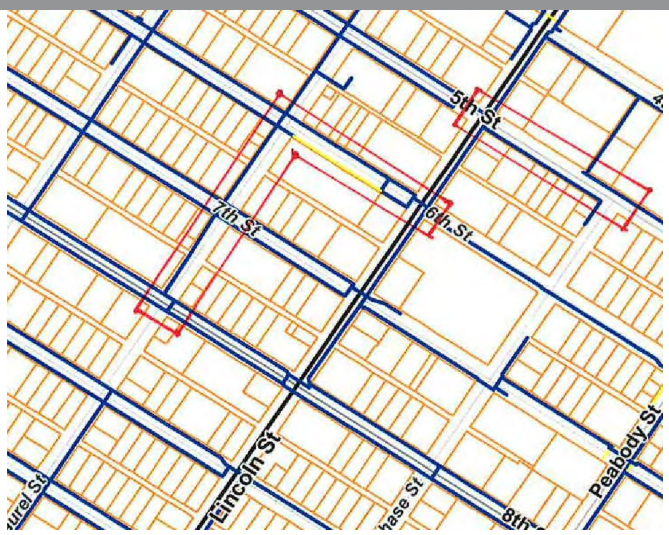
Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.105490, -123.428230
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $181,500

About The Project:
Install a new fire hydrant at the 10/11 alley on the east side of Francis Street and replace approximately 270 feet of 2" water main to the dead end of the alley.

Justification:
Continued high repair for the cast iron pipes with poor reliability will occur without replacement.

6th/Laurel and 5th Street Fire Flow WT0517

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1147, -123.4374
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $775,600



About The Project:

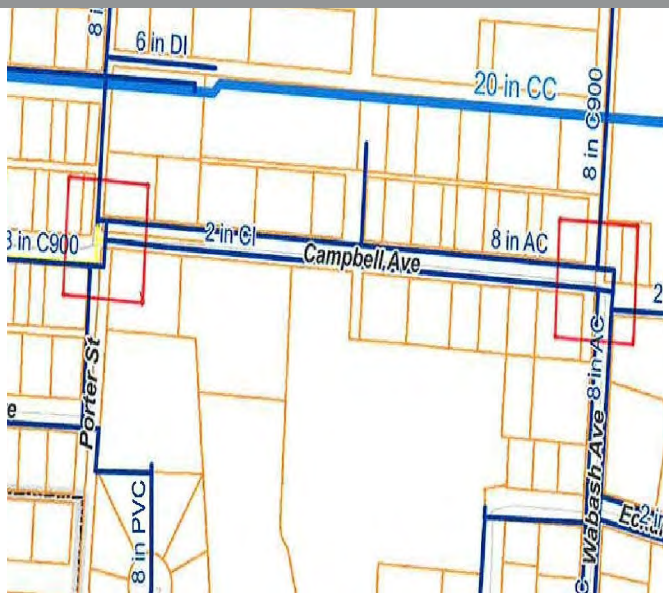
Install 1,315 linear feet of new 8-inch pipe in 6th Street and Laurel Street, two fire hydrants, and 365 linear feet of new 8-inch pipe in Fifth Street to connect two dead-end pipes and improve flow capacity in the local distribution system.

Justification:

This project will increase fire flow capacity for the nearby businesses and improves the capacity of the distribution system. This project was a result of the Water System Plan Update modeling.

Porter Street Zone PRV Improvements WT0617

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.0965, -123.4194
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $363,000



About The Project:

Connect the existing pressure releasing valves (PRVs) serving the Porter Street Zone to the existing, old 20-inch-diameter Morse Creek supply pipeline that now serves as a key high zone transmission pipeline. One of these existing PRVs is in Porter Street and the other is in the 8-inch pipeline that is directly south of Peninsula College at Wabash and Campbell. Both of these PRVs are currently connected to smaller-diameter high zone distribution pipelines.

Justification:

This project will increase fire flow capacity for nearby businesses and improve the distribution system. This project was a result of the Water System Plan Update modeling.

St Andrews Place Fire Flow Loop WT0817

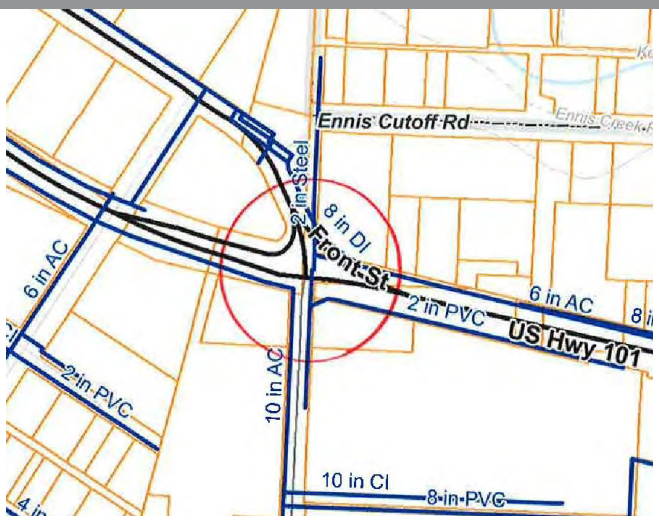


Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.100381, -123.435538
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $641,300

About The Project:
Install 1,325 feet of new 8inch or 12-inch pipe within the Viewcrest Subzone from the intersection of Peabody Street and Viewcrest Avenue, east in Viewcrest to Regent Street, and north in Regent Street to the St. Andrews Place Assisted Living facility. This improvement replaces a combination of existing 6-inch-diameter and 8-inch-diameter pipe and include a section of 12-inch-diameter pipeline to complete a loop around St. Andrews Place.

Justification:
This project will increase fire flow capacity for the nearby businesses. This project was a result of the Water System Plan Update modeling.

East First Street Fire Flow WT0917



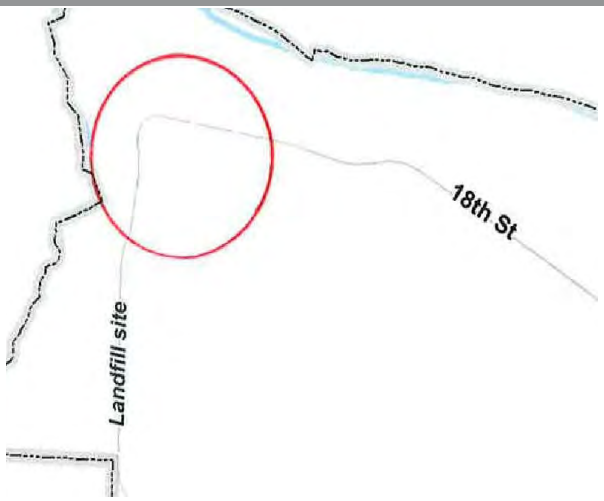
Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1068, -123.4024
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $111,300

About The Project:
Install 230 linear feet of new 10-inch-diameter pipeline to increase the available fire flow along East First Street. Crossing First Street is included in this improvement to create a loop to the piping on the north side of First Street.

Justification:
This project will increase fire flow capacity for nearby businesses. This project was a result of the Water System Plan Update modeling.

18th Street Fire Flow — WT1017

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1317, -123.5177
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $581,500



About The Project:

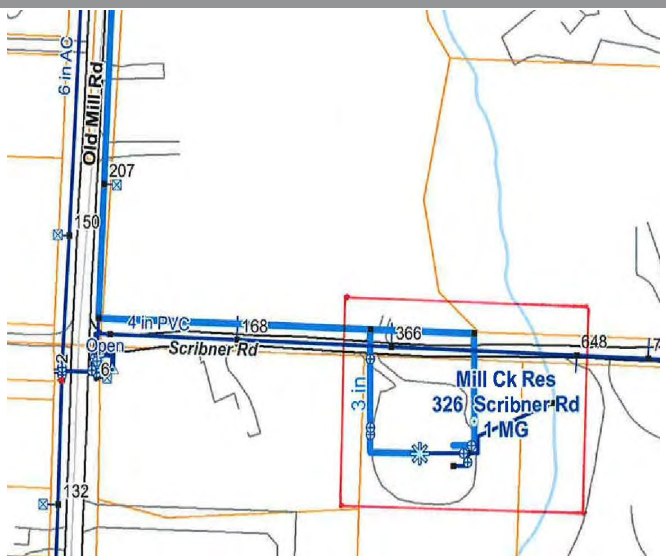
Install 1,550 linear feet of new 8-inch pipeline at the end of West 18th Street to improve fire flow to the West 18th Street Industrial Area that includes the landfill, the transfer station, compost facility, and the Port Angeles Water Treatment Plant (PAWTP). This improvement eliminates dead end piping from the PAWTP as well as from West 18th Street.

Justification:

This project will increase fire flow capacity for nearby business. This project was a result of the Water System Plan Update modeling.

Lauridsen Blvd/Tumwater Fire Flow — WT1117

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1101, -123.4597
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $677,600



About The Project:

Install 1,200 linear feet of new 12-inch pipe in W. Lauridsen Blvd from "C" Street towards the Tumwater Truck Route, replacing existing 8-inch piping. This improvement includes approximately 100 linear feet of new pipe through the parking lot at the intersection of W. Lauridsen Blvd and the Tumwater Truck Route to complete a local pipe loop. Install 100 linear feet of new 12-inch pipeline from the discharge side of the adjacent Fairmount Booster Station to connect to a new hydrant along the Tumwater Truck Route. May consider pairing with WT0314 Tumwater Truck Route Commercial Fire Flow (LID).

Justification:

This project will increase fire flow capacity for nearby businesses. This project was a result of the Water System Plan Update modeling.

Decant facility equipment WT0323



Project Status: Unfunded
Present Condition: Good
Latitude / Longitude: 48.126222, -123.521128
Project Manager: Lucio Baack
Estimated Life: 25 Years
Estimated Total Project Cost: $70,000

About The Project:
Purchase Mobile Equipment (Compact Wheel Loader) to move and process decant solids.

Justification:
The Compact Wheel Loader design allows for a large ~2 CU bucket capacity with a smaller compact machine for operation in tight areas. The loader will be used to manage the solids generated at the decant facility. The unit will have an operating weight of around 14,000-20,000 lbs.

Advanced Metering Management WT0423

Project Status: Unfunded
Condition: Poor
Latitude / Longitude: 48.113981 -123.431142
Project Manager: Mike Healy
Estimated Life: 30 Years
Estimated Total Project Cost: $3,000,000

About the project:
In 2006 the City started a route to install an Advanced Metering Infrastructure (AMI) system. Working through the due diligence process during 2009 and then selection process for the vendor in early 2010. During the implementation in 2010 and 2011 there were issues with the vendor that were not able to be resolved and the system was removed. From 2006 to 2022 AMI has become a standard for most electric utilities. By reviewing the background of the past project and the new options now available this would be a great project to move the water utility forward.

Justification:
AMI offers customers the ability to become more aware of their energy consumption, if they choose, and gain greater confidence in the utility system. Advanced billing methods, such as time of use or customer pre-pay, can be implemented.

Engineering utilizes AMI data to model and fine tune the utility system and solutions designed to meet the exact need. Billing and Operations can get instant notification of meter tampering, and identifying potential power theft. End of line voltage monitoring can be monitored to adjust real time, providing a more consistent voltage to the end user, and the utility can take advantage of BPA incentives for voltage reduction.

INDUSTRIAL WATER UNFUNDED CAPITAL PROJECTS

Elwha - Surface Water Intake Improvements WT0322



Project Status: Unfunded
Present Condition: Fair
Latitude / Longitude: 48.112032, -123.552263
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $2,000,000

About The Project:
The resilience and reliability of the Elwha Surface Water Intake Facility (ESWI) could be improved by any one or a combination of the strategies listed below. Strengthening of the existing support system may prevent future damage from flood waters.

Proposed facility structural modification would likely be highly complex to permit, and expensive to construct. Replacing the existing trash rake with a trash rake more suitable to the location may be the most suitable option. A more detailed cost /benefit analysis is warranted, before selecting a preferred option.

Justification:
A November 2021 storm highlighted the vulnerability of the Elwha Surface Water Intake Facility (ESWI) to flood damage. Maintaining operation of the ESWI is necessary to the ongoing supply of water to the industrial water system. The resilience and reliability of the Elwha Surface Water Intake Facility (ESWI) could be improved by any one or a combination of the following: Add gusset plates to the existing supports to increase their strength and to reduce the potential to snag logs and other debris. Modify the upstream end of the existing rails so that they don't protrude as far upstream and add structural steel to enhance the ability of this structure to fend-off debris. Increase the height of the existing upstream concrete wing wall to guide sediment, logs and other woody debris past the intake during large streamflow events. Install steel rails or similar structural elements on the existing wing wall to fend-off debris. Replace the existing trashrack rake with a different system that could be mounted above the deck elevation, providing more clearance above the river and potential debris, i.e. Atlas-Polar Hydrorake.

Elwha - Screen House Project WT0622

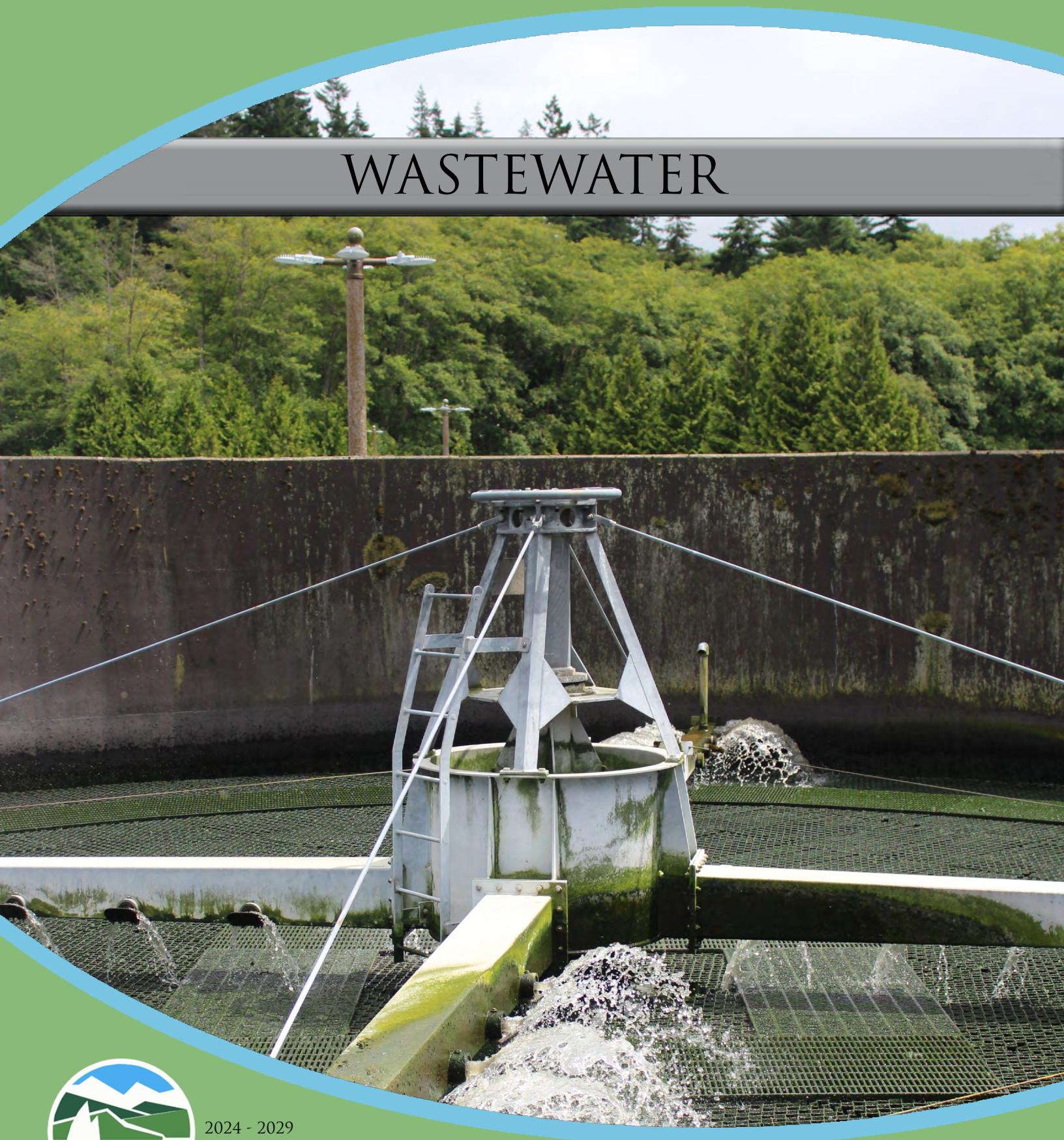
Project Status: Unfunded
Present Condition: Fair
Latitude / Longitude: 48.119420, -123.550006
Project Manager: Lucio Baack
Estimated Life: 50 Years
Estimated Total Project Cost: $1,500,000

About The Project:
There are several improvement options and strategies related to the Screen House, the City has not settled on which approach to take. Several options potentially have direct impact on the operations of industrial pipeline customers as any screen house modifications would impact their cost of service.

Justification:
The Screen House is a timber frame structure located at the downstream end of the Industrial Channel. It was constructed in the late 1930's and provides control and screening of flows into the Industrial Pipeline. The timber Screen House shows signs of deterioration as would be expected for a nearly 90-year old structure.

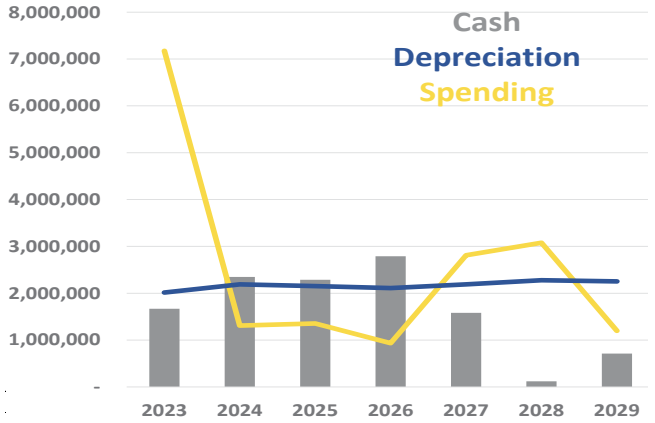
Options include:
1. Replace Traveling Screen and Maintain Existing Screen House.
2. Replace Traveling Screen and Remove Screen House.
3. Remove Traveling Screen and Screen House.
4. Testing of Traveling Screen Removal.

WASTEWATER



WASTEWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2024 - 2029
MANAGER: JONATHAN BOEHME
CONTACT: JBOEHME@CITYOFPA.US
PHONE: 360-417-4803



WASTEWATER FUND GOALS AND OBJECTIVES:
To provide or allow the opportunity for services and facilities which enhance the quality of life for Port Angeles citizens of all ages, characteristics, needs and interests and to achieve the desired developmental patterns of the City as depicted on the Comprehensive Plan Land Use Map. To provide utility services in an efficient and cost effective manner.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Wastewater Capital Reserves	$ 897,500	$ 7,174,600	$ 1,309,100	$ 1,355,300	$ 934,400	$ 2,782,700	$ 2,760,200	$ 907,500
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
TOTAL	**$ 897,500**	**$ 7,174,600**	**$ 1,309,100**	**$ 1,355,300**	**$ 934,400**	**$ 2,782,700**	**$ 2,760,200**	**$ 907,500**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	542,600	908,950	224,225	312,125	274,850	282,750	101,000	101,000
Construction	357,700	6,265,650	1,084,875	1,249,175	1,389,550	2,649,950	2,809,200	956,500
TOTAL	**$ 900,300**	**$ 7,174,600**	**$ 1,309,100**	**$ 1,561,300**	**$ 1,664,400**	**$ 2,932,700**	**$ 2,910,200**	**$ 1,057,500**

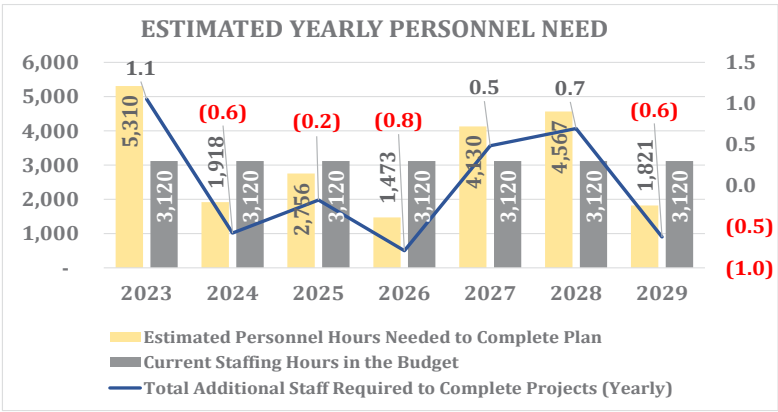
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor	29,400	357,500	129,000	185,600	99,200	278,000	307,500	122,600
Supplies								
Communications								
Depreciation		3,300	227,700	263,300	291,800	375,500	455,500	464,000
Other								
Maintenance projects								
TOTAL OTHER COSTS	**$ -**	**$ 360,800**	**$ 356,700**	**$ 448,900**	**$ 391,000**	**$ 653,500**	**$ 763,000**	**$ 586,600**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	5,310	1,918	2,756	1,473	4,130	4,567	1,821
Current Staffing Hours in the Budget	3,120	3,120	3,120	3,120	3,120	3,120	3,120
Difference	*2,190*	*(1,202)*	*(364)*	*(1,647)*	*1,010*	*1,447*	*(1,299)*
Total Additional Staff Required to Complete Projects (Yearly)	**1.1**	**(0.6)**	**(0.2)**	**(0.8)**	**0.5**	**0.7**	**(0.6)**

The current capital plan would not require any additional FTE's to complete when averaged; however, in years when large projects are included additional staffing will be needed for completion.

Other existing staffing of 0.5 FTE per division are allocated to supporting operations, environmental compliance, and development services.



WASTEWATER PROJECT LIST & CASH FLOW

Number	WASTEWATER PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
WASTEWATER											
CAPWW	General Wastewater Equipment	R	775,700	425,700	50,000	50,000	50,000	50,000	50,000	50,000	50,000
WW0319	Wastewater Comprehensive Plan	A	364,900	351,600	13,300	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bay	A	880,000	24,300	20,000	835,700	-	-	-	-	-
WW0220	West 4th Street Capacity Improvement	A	1,655,000	84,100	1,570,900	-	-	-	-	-	-
WW0121	Facility Assessment	A	10,000	-	10,000	-	-	-	-	-	-
WW0520	Sanitary Force Main Relocate (Lees Creek)	A	264,000	-	-	100,000	164,000	-	-	-	-
WW0420	WWTP Potable Water Air-Gap	A	200,000	1,800	198,200	-	-	-	-	-	-
WW0122	Anaerobic Digester Roof Improvements	1	4,657,500	-	252,300	-	128,300	228,300	2,024,300	2,024,300	-
WW0419	WWTP HVAC Replacement	2	251,700	12,800	40,900	198,000	-	-	-	-	-
WW0320	WWTP Septic Truck Pad Repair	3	147,400	-	22,000	125,400	-	-	-	-	-
WW0222	"A" Street Improvements	4	5,774,600	-	-	-	-	-	-	85,900	257,500
WW0516	WWTP Boiler Replacement	5	164,500	-	-	-	-	56,100	108,400	-	-
WW0415	Pump Station #5 Rehabilitation	UF	100,000	-	-	-	-	-	-	-	-
WW0915	Pump Station #6 Improvements	UF	-	-	-	-	-	-	-	-	-
WW0110	Aeration Blower Replacement	UF	665,500	-	-	-	-	-	-	-	-
WW0217	Ennis Creek Force Main Removal	UF	272,300	-	-	-	-	-	-	-	-
WW0608	Waste Activated Sludge Thickening WWTP	UF	1,815,000	-	-	-	-	-	-	-	-
WW1115	1st & 2nd Streets Alley Sewer Separation	UF	145,200	-	-	-	-	-	-	-	-
WW1315	Pine Hill Sewer Separation	UF	332,800	-	-	-	-	-	-	-	-
WW0119	Biosolid Pyrolysis	UF	4,840,000	-	-	-	-	-	-	-	-
WW0518	Francis Street Sewer Trestle Repair	UF	60,500	-	-	-	-	-	-	-	-
WW0221	Pump Station #17 Improvements	UF	-	-	-	-	-	-	-	-	-
WW0322	Gravity Thickener Rehabilitation	UF	1,282,600	-	-	-	-	-	-	-	-
WW0422	Headworks Improvements	UF	379,500	-	-	-	-	-	-	-	-
WW0522	Pump Station #15 & #16 Improvements	UF	80,000	-	-	-	-	-	-	-	-
WW0622	Pump Station #10 Improvements	UF	1,458,600	-	-	-	-	-	-	-	-
WW0722	Pump Station #8 Improvements	UF	859,100	-	-	-	-	-	-	-	-
WW0822	Gravity Thickener Redundancy	UF	2,912,800	-	-	-	-	-	-	-	-
WW0922	Access Road & Septage Receiving Improvements	UF	829,400	-	-	-	-	-	-	-	-
WW1022	Nutrient Reduction Sidestream Treatment Upgrades	UF	6,262,300	-	-	-	-	-	-	-	-
WW0123	Front/Georgiana Capacity Improvement	UF	3,800,000	-	-	-	-	-	-	-	-
WW0223	New Sewer Washington Street (Park to 8th)	UF	2,000,000	-	-	-	-	-	-	-	-
WW0323	Decant Facility Equipment	UF	70,000	-	-	-	-	-	-	-	-
WW0423	WWTP Knife Gate Valve Installations	UF	75,000	-	-	-	-	-	-	-	-
WW0523	WWTP UST Tank Replacement	UF	220,000	-	-	-	-	-	-	-	-
COMBINED SEWER OVERFLOW											
WW0120	Pump Station #3 Force Main Replacement	A	5,135,000	193,000	4,942,000	-	-	-	-	-	-
WW1122	2022 Neighborhood Sewer Rehabilitation	A	213,400	173,400	40,000	-	-	-	-	-	-
WW0117	Francis Street Pigging Bypass	1	228,000	-	-	-	228,000	-	-	-	-
WW0316	CSO 6 and 7 Reconstruction	2	243,900	43,400	15,000	-	185,500	-	-	-	-
WW0918	2025 Neighborhood Sewer Rehabilitation	3	600,000	-	-	-	600,000	-	-	-	-
WW1018	2026 Neighborhood Sewer Rehabilitation	4	600,000	-	-	-	-	600,000	-	-	-
WW0715	Oak Street Sewer Separation	5	318,000	-	-	-			-	28,000	290,000
WW0815	Laurel Street Sewer Separation	6	318,000	-	-	-			28,000	290,000	-
WW1118	2027 Neighborhood Sewer Rehabilitation	7	600,000	-	-	-	-	-	600,000	-	-
WW1222	2028 Neighborhood Sewer Rehabilitation	8	600,000	-	-	-	-	-	-	600,000	-
WW0123	2029 Neighborhood Sewer Rehabilitation	9	600,000	-	-	-	-	-	-	-	600,000
Total			$ 53,062,200	$ 1,310,100	$ 7,174,600	$ 1,309,100	$ 1,355,800	$ 934,400	$ 2,810,700	$ 3,078,200	$ 1,197,500

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	7,494,205	1,670,005	2,348,205	2,287,605	2,789,305	1,582,305	119,305
Funding sources:							
Wastewater Rates	978,500	1,007,900	1,150,000	1,150,000	1,300,000	1,300,000	1,375,000
Grants							
Bonds/Interest/Other	37,400	28,100	39,400	38,400	46,900	26,600	2,000
General Fund							
Donations							
Transfer from excess operating reserves	300,000	850,000					
Combined Sewer Overflow Surcharge	2,349,600	2,349,600	2,349,600	2,349,600	2,349,600	2,349,600	2,349,600
Spending:							
Debt Payments (projected)	(2,315,100)	(2,248,300)	(2,243,800)	(2,101,900)	(2,092,800)	(2,061,000)	(1,937,400)
Project Costs	(7,174,600)	(1,309,100)	(1,355,800)	(934,400)	(2,810,700)	(3,078,200)	(1,197,500)
Ending Cash Balance	**1,670,005**	**2,348,205**	**2,287,605**	**2,789,305**	**1,582,305**	**119,305**	**711,005**
Depreciation	**2,015,232**	**2,190,589**	**2,152,790**	**2,110,169**	**2,190,904**	**2,277,891**	**2,253,133**
Depreciation to Cash Ratio	**0.83**	**1.07**	**1.06**	**1.32**	**0.72**	**0.05**	**0.32**

PROJECTS COMPLETED IN 2022		Actual	Budget
CAPWW	Wastewater Treatment Equipment	67,600	129,900
TOTAL COMPLETED PROJECTS		**67,600**	**129,900**

Completed projects are not included in the ongoing project totals for expenditures or revenues.



Project Status: Revolving
Present Condition: Excellent
Latitude / Longitude: 48.111766, -123.402773
Project Manager: Mike Healy
Estimated Life: 15 Years

About the Project:

This project is for the purchase of various large parts that have a value exceeding $7,500 such as pumps, compressors, tanks and gears not affiliated with a specific wastewater project.

Justification:

Due to the age of the facilities, sufficient essential and critical capital spares (such as the primary clarifier gear reducer unit and spare pump station pumps) could jeopardize continuous operations.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 502,900	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 502,900**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	502,900	50,000	50,000	50,000	50,000	50,000	50,000	50,000
TOTAL	**$ 502,900**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**	**$ 50,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $852,900

Estimated Total Design Cost: $16,000

Estimated Personnel Hours for Project: N/A

Estimated Personnel Costs for Project: N/A

PROJECT STATUS: PLANNING
PRESENT CONDITION: POOR
LATITUDE / LONGITUDE: 48.114363, -123.43207
PROJECT MANAGER: LUCIO BAACK
ESTIMATED LIFE: 20 YEARS

ABOUT THE PROJECT:

This project will compile a wastewater comprehensive plan. The plan will address the City's comprehensive planning needs for collection, transmission and treatment of wastewater for the 6 year and 20 year planning period. The project will also include a modeling component to analyze the need to revise and upgrade aging pump stations.

JUSTIFICATION:

A sewer plan is very common among other jurisdictions and recommended by the Department of Ecology. The plan will enable the City to better plan and utilize limited resources in the most cost-effective manner and focus work on critical components of the wastewater system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund	$ 351,600	$ 13,300						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 351,600**	**$ 13,300**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	351,600	13,300						
TOTAL	**$ 351,600**	**$ 13,300**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $364,900 **Estimated Total Design Cost: $364,900**

Estimated Personnel Hours for Project: 55 **Estimated Personnel Costs for Project: $3,730**

Decant Facility at Transfer Station
Wastewater Soils Decant Bays

WW0519





Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.131198, -123.518793
Project Manager: Lucio Baack
Estimated Life: 25 Years

ABOUT THE PROJECT:

This is Wastewater's $879,9896 contribution toward SW0112 decant Facility. Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea, the larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant. Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from DOE in the amount of $474,300 with a city match of 15% from the solid waste reserves in the amount of $83,700. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of Solid Waste, Stormwater and Water portions of the facility, the utilities are contributing under SW0112, DR0120 and WT0419.

JUSTIFICATION:

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 24,300	$ 20,000	$ 835,700					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 24,300**	**$ 20,000**	**$ 835,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	24,300	20,000	835,700					
TOTAL	**$ 24,300**	**$ 20,000**	**$ 835,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $880,000 **Estimated Total Design Cost: $80,000**

Estimated Personnel Hours for Project: 1,187 **Estimated Personnel Costs for Project: $79,865**

West 4th Street Capacity Improvement WW0220



Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.132478, -123.476869
Project Manager: Lucio Baack
Estimated Life: 50 years

About the Project:

The project would install a flow diversion structure at the intersection of N St. and Milwaukee Dr. and a parallel sanitary sewer line from the flow diversion structure to a manhole in Crown Park North of the 4th St. + Evans Ave intersection (1650LF of 18 -21" sanitary sewer).

Justification:

The sanitary sewer gravity conveyance system along West 4th Street is under capacity, resulting in sanitary sewer overflows along 4th street between N street and Evens Ave. Sanitary sewer modeling (Wastewater Comprehensive Plan task) will verify if capacity issue is due to a simple capacity problem or the result of a back water issue from the Pump Station 3 force main. Sewer flow monitoring along 4th street has indicated that wet weather flow rates are 6 times higher than dry weather flow, as development pressure increases in the WUGA this new conveyance will likely be a necessity.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund	$ 84,100	$ 1,570,900						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 84,100**	**$ 1,570,900**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

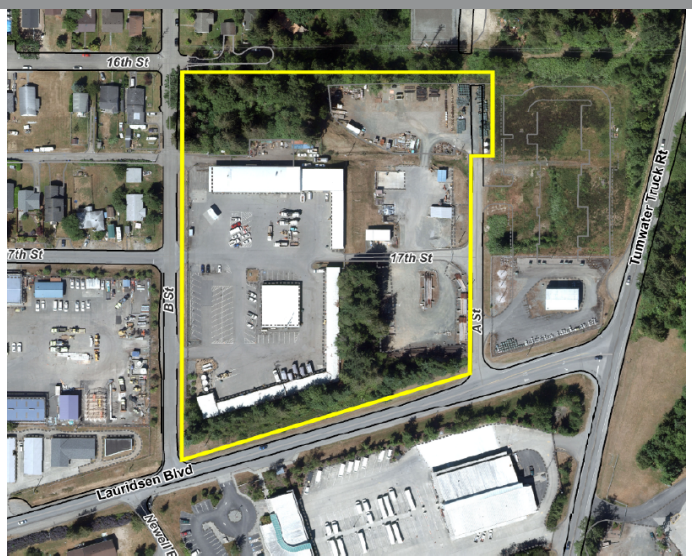
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	84,100	1,570,900						
TOTAL	**$ 84,100**	**$ 1,570,900**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,655,000 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 1,089 **Estimated Personnel Costs for Project: $73,309**

PROJECT STATUS: PLANNING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE:
PROJECT MANAGER: JONATHAN BOEHME
ESTIMATED LIFE:



ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Wastewater utility's contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Stormwater (DR0121), Water (WT0321), and from the Transportation fund (TR0821) in the amount of $10,000 to equal a total amount of $50,000.

JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund		$ 10,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 10,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		10,000						
TOTAL	**$ 0**	**$ 10,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $10,000
Estimated Total Design Cost: $10,000
Estimated Personnel Hours for Project: 21
Estimated Personnel Costs for Project: $1,400

Sanitary Force Main Relocate (Lees Creek) WW0520

Project Status: Design
Present Condition: Fair
Latitude / Longitude: 48.104580, -123.382775
Project Manager: Rob Feller
Estimated Life: 50 Years



About the Project:

WSDOT is planning a fish barrier removal project to modify the Lees Creek bridge support structure for fish habitat. This modification requires the 12" Sanitary Force Main to be bypassed during construction and relocated once the construction is complete.

Justification:

WSDOT's fish barrier removal project on Lees Creek will modify Lees Creek bridge with new pilings and construction through the current Sanitary Force Main Location. The Sanitary force main will have to be bypassed during construction and incorporated into the new bridge design. The new bridge section will have an earthen layer between the bridge structure and the road surface for utilities to be located.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund			$ 100.000	$ 164.000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 100.000**	**$ 164.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			100,000	164,000				
TOTAL	**$ 0**	**$ 0**	**$ 100.000**	**$ 164.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $264,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 366 **Estimated Personnel Costs for Project: $24,640**

WWTP Potable Water Air-Gap WW0420



Project Status: Active
Present Condition: Fair
Latitude / Longitude: 48.111766, -123.402773
Project Manager: Rob Feller
Estimated Life: 50 Years

ABOUT THE PROJECT:

The Waste Water Treatment Plant potable water connection needs upgrade. The current back flow prevention system needs to be upgraded to an "Air-Gap" style per regulation.

JUSTIFICATION:

Regulation requires an Air-Gap between potable water connections and Waste Water Treatment Plant Process Connections. The plant currently has back flow prevention but is lacking an Air-Gap device.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund	$ 1,810	$ 198,190						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 1,810**	**$ 198,190**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	1,810	198,190						
TOTAL	**$ 1,810**	**$ 198,190**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $200,000
Estimated Total Design Cost: $30,000
Estimated Personnel Hours for Project: 412
Estimated Personnel Costs for Project: $27,747

Anaerobic Digester Roof Improvements WW0122

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.112047, -123.402986
Project Manager: Rob Feller
Estimated Life: 30 years

ABOUT THE PROJECT:

This project includes the rehab/replacement of Digester #2's existing floating cover as well as replacement of its current gas mixing system. The first step will be to clean and inspect #2 Digester in 2023 to determine the condition and urgency of the replacement.

JUSTIFICATION:

Based on feedback from City's staff, an asset considered highly critical and in need of attention are the anaerobic digesters. Comprehensive plan assessment of the anaerobic digesters indicated that while capacity is sufficient for the digester system, mixing improvements should be considered. The digesters were noted to have excessive foaming. Since capacity is not a concern, improved digester cleaning and grit removal is recommended. Dome seat/seal failure on Digester #2, overall pipe and equipment corrosion and coating failures throughout. Roof appears to be floating uneven. The hot water supply pump and the temperature control valves were also running hot when inspected. The building classification should be verified. The capacity of the digesters is sufficient for current conditions however based on performance, better mixing and reduced foaming could be achieved. Both of the digesters are due for an internal inspection and cleaning.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund		$ 252,200		$ 128,300	$ 228,300	$ 2,024,300	$ 2,024,300	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 252,200**	**$ 0**	**$ 128,300**	**$ 228,300**	**$ 2,024,300**	**$ 2,024,300**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		252,200		128,300	228,300	2,024,300	2,024,300	
TOTAL	**$ 0**	**$ 252,200**	**$ 0**	**$ 128,300**	**$ 228,300**	**$ 2,024,300**	**$ 2,024,300**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $4,657,400 **Estimated Total Design Cost: $450,000**

Estimated Personnel Hours for Project: 6,458 **Estimated Personnel Costs for Project: $434,691**

WWTP HVAC Replacement WW0419

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.111766, -123.402773
Project Manager: Rob Feller
Estimated Life: 30 Years

ABOUT THE PROJECT:

This project will evaluate the aging/failing HVAC system at the water treatment plant. Additionally, it will tie the controls system into the SCADA system. Construction needs and costs will be set following initial design.

JUSTIFICATION:

The HVAC system at the WWTP is aging and has experienced several failures requiring costly repairs. This project will evaluate the entire system and make all repairs necessary. The HVAC system is important to maintain temperatures of stored chemicals, code compliance of derated rooms/buildings, and the temperature of major electrical rooms. Several of the HVAC units are suspended overhead, above electrical and SCADA equipment and have leaked in the past, causing significant damage to this equipment.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund	$ 12,800	$ 40,900	$ 198.000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 12.800**	**$ 40.900**	**$ 198.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	12,800	40,900	198,000					
TOTAL	**$ 12.800**	**$ 40.900**	**$ 198.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $251,700 **Estimated Total Design Cost: $35,000**

Estimated Personnel Hours for Project: 497 **Estimated Personnel Costs for Project: $33,444**

WWTP Septic Truck Pad Repair WW0320



Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.111857, -123.403422
Project Manager: Rob Feller
Estimated Life: 50 Years

ABOUT THE PROJECT:

The Wastewater Treatment Plant Septic Truck Receiving Station asphalt pad is settling. This project will replace the asphalt pad with a concrete pad.

JUSTIFICATION:

The asphalt pad currently used to receive Septic Trucks for unloading is settling. Wastewater process lines under this pad are at risk. The project will excavate the area, fill, compact and install a new concrete pad.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund		$ 22,000	$ 125,400					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 22,000**	**$ 125,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		22,000	125,400					
TOTAL	**$ 0**	**$ 22,000**	**$ 125,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $147,400
Estimated Total Design Cost: $15,000
Estimated Personnel Hours for Project: 307
Estimated Personnel Costs for Project: $20,636

"A" Street Improvements WW0222

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.115214, -123.456215
Project Manager: Lucio Baack
Estimated Life: 50 year



About the Project:

This project includes capacity improvements to the collections main along A Street from 17th/18th Street to 8th Street. (Improvement #8). $5.4 million will remain unfunded until revenue sources have been identified.

Justification:

The City's Wastewater Comprehensive Plan highlighted significant capacity issues in the Wastewater Conveyance System. A St. was highlighted as an area with existing capacity issues that will only get worse due to development pressure in the WUGA.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund							$ 85,900	$ 257,500
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 85,900**	**$ 257,500**

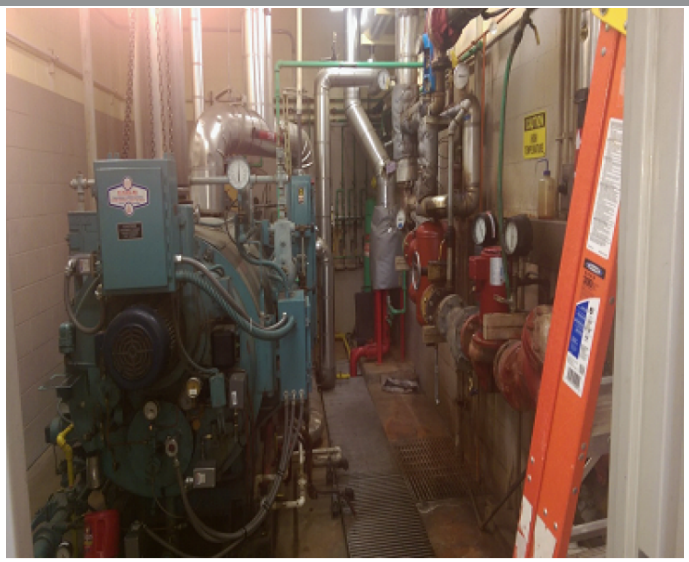
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							85,900	257,500
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 85,900**	**$ 257,500**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $5,774,600 **Estimated Total Design Cost: $275,000**

Estimated Personnel Hours for Project: 4,004 **Estimated Personnel Costs for Project: $269,481**

WWTP Boiler Replacement WW0516



Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.111766, -123.402773
Project Manager: Rob Feller
Estimated Life: 20 Years

ABOUT THE PROJECT:

The existing boiler at the Wastewater Treatment Plant is 22 years old and requires regular, costly maintenance. The project will replace the boiler with a smaller, more efficient boiler to be located at a different site. This will require changes to the steam lines to the digesters and will result in lower energy losses in the steam conveyance system.

JUSTIFICATION:

Failure to replace the existing boiler will result in higher maintenance costs as the boiler ages.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund					$ 56,100	$ 108,400		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 56,100**	**$ 108,400**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					56,100	108,400		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 56,100**	**$ 108,400**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $164,500 **Estimated Total Design Cost: $25,000**

Estimated Personnel Hours for Project: 342 **Estimated Personnel Costs for Project: $23,023**

WASTEWATER UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Pump Station #5 Rehabilitation WW0415



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.117105, -123.431624
Project Manager: Rob Feller
Estimated Life: 40 Years
Estimated Total Project Cost: $100,000

About The Project:
The project will construct a new manhole on Lincoln Street, increase the pump capacity, and increase the storage capacity of the pump station. Construction of the new manhole at 2nd and Lincoln Streets will be done by the CSO Phase II contractor at the same time they reconstruct CSO 8 one half a block north. Combining the two projects will decrease the overall cost of the pump station replacement.

Justification:
Failure to replace the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies and sewer backup into Peabody Creek.

Pump Station #6 Improvements WW0915



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.091064, -123.425336
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: Unknown

About The Project:
The project will pre-treat influent to pump station #6 (Church St and McDougal St).

Justification:
Failure to improve the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies.

Aeration Blower Replacement WW0110

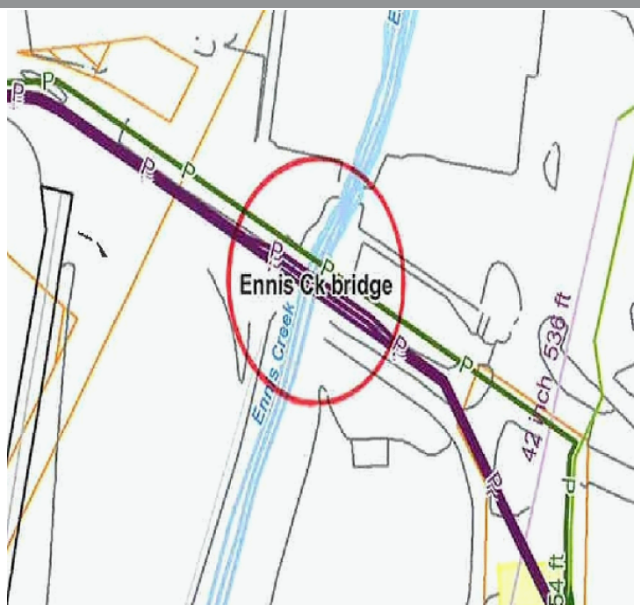


Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111766, -123.402773
Project Manager: Lucio Baack
Estimated Life: 80 Years
Estimated Total Project Cost: $665,500

About The Project:
Replace two original 75 HP blowers with 50 HP blowers, the City will keep one existing 75 HP blower for backup. Estimated annual savings of $12,000 per year for reduction of electric usage when the project is funded.

Justification:
Allows the Wastewater Treatment Plant to have a back up blower and saves energy by reducing horse power.

Ennis Creek Force Main Removal WW0217



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1154, -123.4058
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $272,300

About The Project:
This project removes the abandoned sewer force main that crosses Ennis Creek.

Justification:
The abandoned existing force main acts as a fish barrier passage. This project will be completed with the Ennis Creek Culvert Replacement Project (TR0314) which was submitted to the North Olympic Peninsula Lead entity group for a Salmon Recovery Fund Board Grant. The Ennis Creek Culvert Project ranked high for grant funding. As a condition to the grant funding the abandoned existing force main must be removed. The City is required to match 12.5% of the project costs including past projects. The City will be able to use the bridge installed over during CSO Phase I as part of matching funds.

Waste Activated Sludge Thickening WWTP WW0608

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111766, -123.4102773
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $1,815,000

About The Project:
Construction of a rotary screen thickener at the head of the solids processing system, allowing a .5% thickening to increase to 5% thickening. This is a follow up project to WW0508 Digester Mixing Improvement WWTP. The project involves concentrating the sludge from the secondary clarifiers, improvements will reduce water usage by an estimated 20,000 gallons per day.

Justification:
Increase in thickness improves the efficiencies of both the digesters and the sludge storage tank.

1st & 2nd Street Alley Sewer Separation WW1115



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.120447662, -123.43782844
Project Manager: Rob Feller
Estimated Life: 80 Years
Estimated Total Project Cost: $145,200

About The Project:
Reduces and/or eliminates surface water flow entering the wastewater system at prioritized locations. Project will separate out stormwater from wastewater in the existing CSO system on First Street to prevent stormwater from entering the wastewater system at Pump Station #2.

Justification:
The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

Pine Hill Sewer Separation WW1315



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.120917, -123.442812
Project Manager: Rob Feller
Estimated Life: 80 Years
Estimated Total Project Cost: $332,800

About The Project:
The sewer system in the Pine Hill neighborhood is aging, and surface runoff enters a number of sewer manholes at alley locations and at the wastewater manholes situated in the street gutters. The volume is enough to impact downstream pump stations. This project will restore integrity of existing manholes and pipes, potentially by lining them.

Justification:
Minimize surface water intrusion into the wastewater system to improve system efficiency and capacity.

Biosolid Pyrolysis WW0119



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.131198, -123.518793
Project Manager: Rob Feller
Estimated Life: 30 Years
Estimated Total Project Cost: $4,840,000

About The Project:
Pyrolysis is a viable biosolids management technology to mitigate the discharge of micropollutants to the environment when land applying biosolids. This process adds to the dewatered biosolids to create bio-char. Expected funding from State or Federal grant opportunities. Subject to further analysis of operational benefits.

Justification:
Further reduction of wastewater biosolid output in the compost.

Francis Street Sewer Trestle Repair WW0518



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.107221, -123.426739
Project Manager: Rob Feller
Estimated Life: 40 Years
Estimated Total Project Cost: $60,500

About The Project:
This project will make the needed repairs and maintenance to the sewer trestle that crosses Peabody Creek in the Francis Street public right-of-way.

Justification:
In 2017 Sargent Engineering consultants performed an inspection of the sewer trestle and noted several defects. Failure to make these repairs could result in a main break and release of raw sewage into Peabody Creek.

Pump Station #17 Improvements WW0221

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.091064, -123.425336
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: Unknown

About The Project:
The project will address capacity issues at Pump Station 17.

Justification:
Failure to improve the pump station and pipelines which have limited capacity will continue to cause pump station inefficiencies.

Gravity Thickener Rehabilitation WW0322

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111929, -123.403508
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $1,282,600

About The Project:
This project includes structural and mechanical improvements to the WWTP's gravity thickening system.

Project programmed for 2029 in the KJ Preliminary CIP document.

Justification:
The gravity thickener receives primary and secondary clarifier Solids and concentrates the solids by settling. These concentrated solids are then sent to the digesters for Anaerobic treatment. There is currently no alternative or backup system for this function so reliability is critical. This project will provide inspection, repair, and upgrades as needed to ensure consistent/reliable operation. Identify spare part availability and upgrade obsolete components.

Headworks Improvements WW0422

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111905, -123.403976
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $379,500

About The Project:

This project includes installation of a rock trap as well as two new actuated slide gates on the headworks screen channels.

Project programmed for 2029-30 in the KJ Preliminary CIP document.

Justification:

Rocks and large debris from the collection system accumulate in the Headworks approach piping and flush into the Headworks screens during high flow events. This sudden high concentration of large debris often jams one or both of the screens. Losing the function of a screen during a high flow event can result in collection system backup and overflow. The current screen channels can not be isolated so both screens have to be taken out of service to resolve the jammed screen. This project would allow for individual screen isolation and provide a rock trap in the approach piping to reduce the volume of large, dense material that could jam the screen mechanism.

Pump Station #15 & #16 Improvements WW0522

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.141869, -123.428657
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $80,000

About The Project:

This project includes addition of a radio telemetry system for Pump Station 15, including the cabinets and other appurtenances. This pump stations is the last remaining Wastewater pump stations without SCADA visibility. Pump Station 16 was demolished, parts from pump station retained as spares for Pump Station 15.

Project programmed for 2030 in the KJ Preliminary CIP document.

Justification:

This pump stations is the last remaining Wastewater pump stations without SCADA visibility.

Pump Station #10 Improvements WW0622



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.124206, -123.476906
Project Manager: Rob Feller
Estimated Life: 25-40 Years
Estimated Total Project Cost: $1,458,600

About The Project:

This project includes upgrading the existing pump station to a Smith & Loveless duplex wet well mounted configuration along with a firm capacity increase to 150 gpm. It also includes a new generator and associated propane fuel tank, as well as site concrete work, wet well coating, and a security fence.

Project programmed for 2030-31 in the KJ Preliminary CIP document.

Justification:

The Pump Station 10 drainage basin is facing increasing development pressure, the station needs both pumps to run during peak flow conditions. The wet well is close to the ally which has become increasingly busy with the development in the drainage basin. Possible conversion to a Smith & Loveless duplex wet well mounted pump station configuration, to increase reliability, and similarity to other City Pump Stations.

Pump Station #8 Improvements WW0722



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.119641, -123.471377
Project Manager: Rob Feller
Estimated Life: 40 Years
Estimated Total Project Cost: $859,100

About The Project:

This project includes the replacement of the pump impellers, valves and appurtenances, control panel, priming system and meter vault. It also includes instrumentation upgrades to include new level and pressure sensors as well as a new flowmeter.

Project programmed for 2032 in the KJ Preliminary CIP document.

Justification:

Failure to replace the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies and sewer backup into Peabody Creek.

Gravity Thickener Redundancy WW0822

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111929, -123.403508
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $2,912,800

About The Project:

This project includes the evaluation of alternatives for gravity thickener process redundancy as well as the design and construction of the selected improvement.

Project programmed for 2039-40 in the KJ Preliminary CIP document.

Justification:

The gravity thickener receives solids from the primary clarifiers and waste activated sludge (WAS) from the secondary clarifiers and concentrates the solids by settling. These concentrated solids are then sent to the digesters for Anaerobic treatment. There is currently no alternative or backup system for this function.

Access Road & Septage Receiving Improvements WW0922

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111164, -123.402805
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $829,400

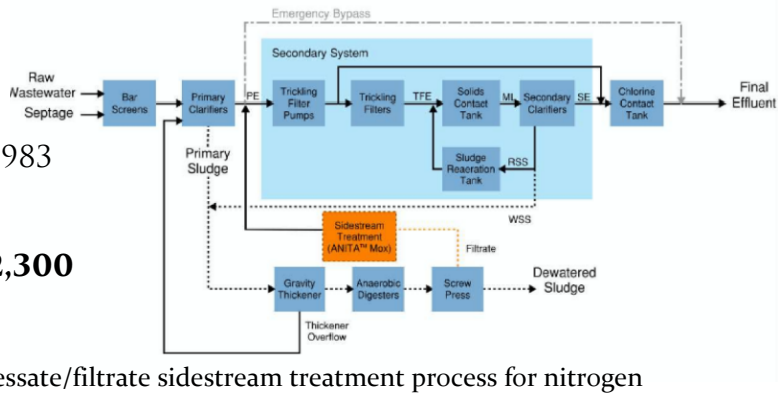
About The Project:

This project includes relocation of the septage receiving station and the construction of a new two-lane access road for the septage receiving station.

Project programmed for 2041-42 in the KJ Preliminary CIP document.

Nutrient Reduction Sidestream Treatment WW1022

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111688, -123.402983
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $6,262,300



About The Project:

This project includes the design and construction of a pressate/filtrate sidestream treatment process for nitrogen removal.

Project programmed for 2034-38 in the KJ Preliminary CIP document.

Justification:

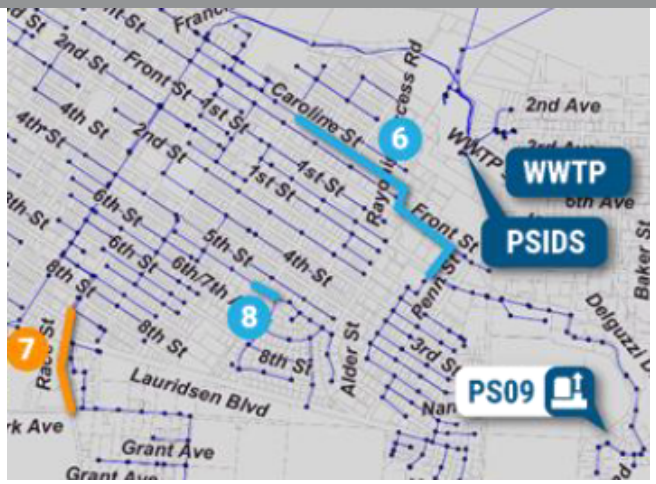
In 2019, Ecology began developing a Nutrient General Permit (NGP) for all point source wastewater discharges to Washington Waters of the Salish Sea. The NGP focuses on regulation of Total Inorganic Nitrogen (TIN), which is a primary contributor to reduced dissolved oxygen conditions within the Salish Sea. The final permit was issued in December of 2021. The City's WWTP existing process was designed to remove BOD and TSS consistent with the current permit requirements but does not provide adequate nitrogen removal. The City commissioned a Nutrient Reduction Evaluation (Comp Plan) in 2021 to evaluate strategies for the City's WWTP to operate under the NGP Action Limits. Alternatives were evaluated for maximizing TIN load reduction at the projected 2040 influent flows and loads. Sidestream Treatment was evaluated as a possible solution.

Front / Georgiana Capacity Improvement WW0123

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111192, -123.408601
Project Manager: Rob Feller
Estimated Life: 80 Years
Estimated Total Project Cost: $3,800,000

About The Project:

Upgrade and extend ~4,000 lineal feet of 10" and 12" Sanitary Sewer main along Front and Georgiana street to 20" main to prevent overflow and accommodate growth through 2040 projections.



Justification:

Collection system modeling performed during the 2022 Wastewater Comprehensive Plan update identified this section as undersized and vulnerable to flooding during high flow events. This collection system upgrade will minimize overflow potentials and allow for projected growth through 2040.

New Sewer Washington St (Park to 8th) WW0223



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.103897, -123.423999
Project Manager: Rob Feller
Estimated Life: 80 Years
Estimated Total Project Cost: $2,000,000

About The Project:
Install ~1,300 lineal feet of new 12" sanitary sewer main along Washington street between park Ave and 9th street.

Justification:
Collection system modeling performed during the 2022 Wastewater Comprehensive Plan update identified a deficiency in the system along Park Ave. A new main on Washington will reduce overflow potentials and allow for projected growth through 2040.

Decant Facility Equipment WW0323



Project Status: Unfunded
Present Condition: Good
Latitude / Longitude: 48.126222, -123.521128
Project Manager: Rob Feller
Estimated Life: 25 Years
Estimated Total Project Cost: $70,000

About The Project:
Purchase Mobile Equipment (Compact Wheel Loader) to move and process decant solids.

Justification:
The Compact Wheel Loader design allows for a large ~2 CU bucket capacity with a smaller compact machine for operation in tight areas. The loader will be used to manage the solids generated at the decant facility. The unit will have an operating weight of around 14,000-20,000 lbs.

WWTP Knife Gate Valve Installations WW0423

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111866, -123.403358
Project Manager: Rob Feller
Estimated Life: 50 Years
Estimated Total Project Cost: $75,000

About The Project:

Thirteen (13) new Knife gate valves were purchased for the Waste Water Treatment plant to replace existing worn and damaged valves throughout the facility. The old valves require excessive force to operate and do not provide a good seal. The new valves will be safer to operate and provide better process isolation.

Justification:

The old valves that the new knife gate valves will replace are a safety hazard and do not provide adequate isolation. The new valves have already been purchased and this project will be for installation only. The new valves will be safer to operate, provide better isolation, and can be opened and closed easily by a single operator.

WWTP UST Tank REPLACEMENT WW0523

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.111776, -123.403409
Project Manager: Rob Feller
Estimated Life: 50 Years
Estimated Total Project Cost: $220,000



About The Project:

The original fiberglass diesel UST was installed circa 1992 and has reached its expected life expectancy of 30 years of service. The manhole was damaged in 2021 during WWTP maintenance.

Justification:

Repair of the existing tank would be approximately half the cost of UST removal and replacement with a new above ground tank. The existing tank is at the end of its design life and lacks modern leak detection hardware. Repair of the existing underground tank is not a viable option. A new above ground tank will reduce the risk of ground contamination, include secondary containment and leak detection capabilities.

COMBINED SEWER OVERFLOW PROJECTS

Pump Station #3 Force Main Replacement WW0120



PROJECT STATUS: Active
PRESENT CONDITION: Fair
LATITUDE / LONGITUDE: 48.1215208, -123.436617
PROJECT MANAGER: Lucio Baack
ESTIMATED LIFE: 50 years

ABOUT THE PROJECT:

During the design of the Pump Station 3 Replacement Project, Kennedy Jenks concluded that the Pump Station 3 force main presented the greatest risk to the wastewater conveyance system after the Replacement of Pump Station #3. The Pump Station #3 force main is over 50 years old, is hydraulically limited during wet weather flows, and presents a vulnerability risk in the conveyance system between the west side service area and Pump Station #4. Kennedy Jenks evaluated the feasibility of pipe bursting and Open Trench Construction for this Force Main. Open Trench Construction for a parallel force main was determined to be more expensive than pipe bursting, however provided greater long term benefit to the City. The new force main will be approximately 5800 feet in lenght. The second force main also provides redundancy in an emergency situation. The existing force main could be rehabilitated in the future using trenchless methods such as CIPP.

JUSTIFICATION:

The existing Pump Station 3 force main serving about 25% of the City is reaching the end of its service life. The second force main would provide redundancy in an emergency situation. Increasing Pump Station 3's force main capacity is necessary in order to address wet weather overflows on Marine Drive, wet weather overflows will increase with additional development on the west side of town, and the western urban growth area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves CSO Fund	$ 193,000	$ 4,942,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 193,000**	**$ 4,942,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	193,000	4,942,000						
TOTAL	**$ 193,000**	**$ 4,942,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $5,135,000 **Estimated Total Design Cost: $335,000**

Estimated Personnel Hours for Project: 3,426 **Estimated Personnel Costs for Project: $230,629**

2022 Neighborhood Sewer Rehabilitation WW1122

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.43207
Project Manager: Rob Feller
Estimated Life: 80 Years

ABOUT THE PROJECT:

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

JUSTIFICATION:

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves CSO Fund	$ 173,400	$ 40,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 173,400**	**$ 40,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2043	2025	2026	2027	2028	2029
Capital Costs	173,400	40,000						
TOTAL	**$ 173,400**	**$ 40,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

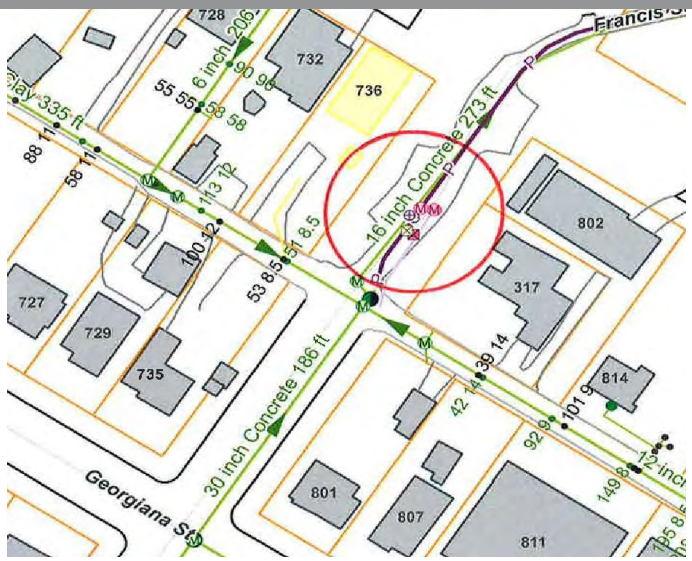
OTHER OPERATING COSTS	Prior	2022	2023	2024	2025	2026	2027	2028
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $213,400 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 83 **Estimated Personnel Costs for Project: $5,600**

Francis Street Pigging Bypass WW0117

Project Status: Planning
Present Condition: Good
Latitude / Longitude: 48.1162, -123.4186
Project Manager: Lucio Baack
Estimated Life: 25 Years



About the Project:

The project will evaluate the need for bypass piping around the Francis Street pigging port installed with CSO Phase I, make any necessary revisions and perform pigging.

Justification:

This bypass line will allow for necessary sewer main maintenance on the new 36" piping in the Francis Street siphon line to the Wastewater Treatment Plant. Without the bypass piping the new pigging port at Francis is not operational. This work was scheduled to be performed during CSO Phase II; however, the existing line could not be located at the bottom of Francis Street Park.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves CSO Fund				$ 228.000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 228.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				228,000				
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 228.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $228,000 **Estimated Total Design Cost: $40,000**

Estimated Personnel Hours for Project: 474 **Estimated Personnel Costs for Project: $31,920**

CSO 6 & 7 Reconstruction WW0316



Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.121150578, -123.4329353542
Project Manager: Lucio Baack
Estimated Life: 25 Years

ABOUT THE PROJECT:

The project will construct new combined sewer overflow (CSO) measuring stations at CSO 7 located at the intersection of Laurel Street and Railroad Avenue. CSO 6, located at the intersection of Oak Street and Railroad Avenue, has been plugged, and is inactive. The current stations are located in manholes constructed in 1967. The manholes were never designed to accommodate modern instrumentation, and there are irregularities that do not allow for accurate CSO measurement at all times.

JUSTIFICATION:

Accurate measurement of CSO's is required by the wastewater system NPDES permit, and is the most important performance measurement for the CSO Reduction Program improvements.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 43,400	$ 15,000		$ 185,500				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 43,400**	**$ 15,000**	**$ 0**	**$ 185,500**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	43,400	15,000		185,500				
TOTAL	**$ 43,400**	**$ 15,000**	**$ 0**	**$ 185,500**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $243,900 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 417 **Estimated Personnel Costs for Project: $28,070**

2025 Neighborhood Sewer Rehabilitation WW0918

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.43207
Project Manager: Rob Feller
Estimated Life: 80 Years

ABOUT THE PROJECT:

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

JUSTIFICATION:

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves CSO Fund				$ 600,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 600,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				600,000				
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 600,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $600,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 1,560 **Estimated Personnel Costs for Project: $105,000**

2026 Neighborhood Sewer Rehabilitation WW1018

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.43207
Project Manager: Rob Feller
Estimated Life: 80 Years

ABOUT THE PROJECT:

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

JUSTIFICATION:

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund					$ 600,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					600,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600,000**	**$ 0**	**$ 0**	**$ 0**

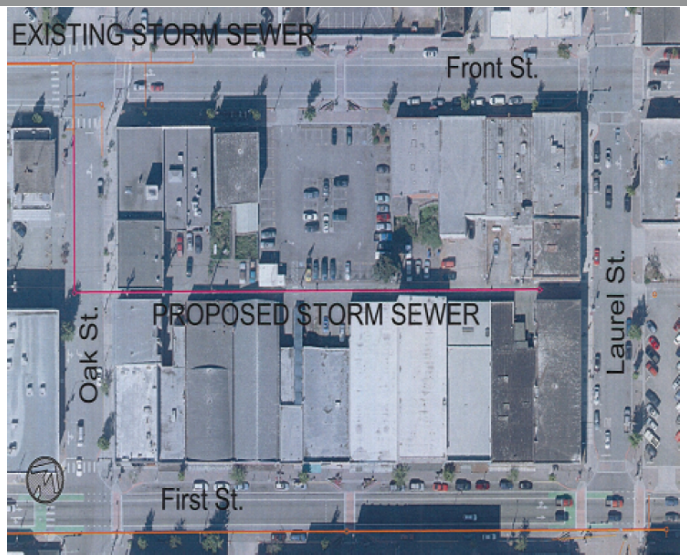
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $600,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 1,040 **Estimated Personnel Costs for Project: $70,000**

Oak Street Sewer Separation WW0715

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.120734, -123.434538
Project Manager: Rob Feller
Estimated Life: 80 Years



ABOUT THE PROJECT:

Reduces and/or eliminates surface water flow entering the wastewater system at prioritized locations. Project will separate out stormwater from wastewater in the existing CSO system by extending the Front Street stormwater system, up Oak Street, east on the alley between Oak and Laurel Streets.

JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund							$ 28.000	$ 290.000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 28.000**	**$ 290.000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							28,000	290,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 28.000**	**$ 290.000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $318,000
Estimated Total Design Cost: $50,000
Estimated Personnel Hours for Project: 661
Estimated Personnel Costs for Project: $44,520

Laurel Street Sewer Separation WW0815

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.119151, -123.433451
Project Manager: Rob Feller
Estimated Life: 80 Years



ABOUT THE PROJECT:

Reduces and/or eliminates surface water flow entering the wastewater system at prioritized locations. Project will separate out stormwater from wastewater in the existing CSO system from First Street to prevent stormwater from entering the wastewater system.

JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Wastewater Fund						$ 28.000	$ 290.000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 28.000**	**$ 290.000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						28,000	290,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 28.000**	**$ 290.000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $318,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 661 **Estimated Personnel Costs for Project: $44,520**

2027 Neighborhood Sewer Rehabilitation WW1118

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.43207
Project Manager: Rob Feller
Estimated Life: 80 Years

ABOUT THE PROJECT:

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

JUSTIFICATION:

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund						$ 600.000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600.000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						600,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600.000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $600,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 1,040 **Estimated Personnel Costs for Project: $70,000**

2028 Neighborhood Sewer Rehabilitation WW1222

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.43207
Project Manager: Rob Feller
Estimated Life: 80 Years

ABOUT THE PROJECT:

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

JUSTIFICATION:

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund							$ 600.000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600.000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							600.000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600.000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $600,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 1,040 **Estimated Personnel Costs for Project: $70,000**

2029 Neighborhood Sewer Rehabilitation WW0123

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.43207
Project Manager: Rob Feller
Estimated Life: 80 Years

ABOUT THE PROJECT:

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

JUSTIFICATION:

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								$ 600.000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600.000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs								600,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 600.000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $600,000 **Estimated Total Design Cost: $50,000**

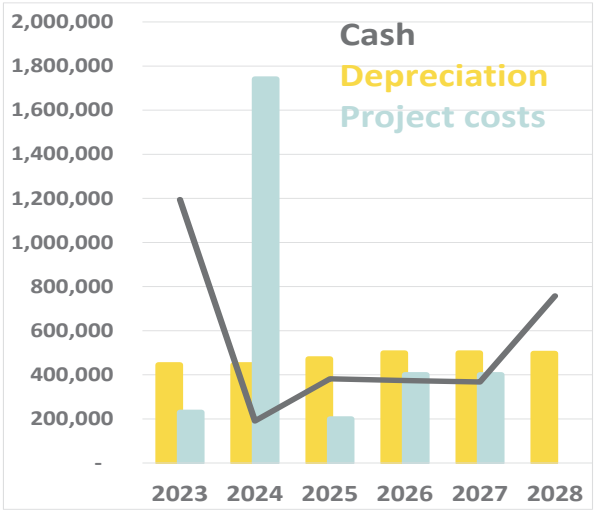
Estimated Personnel Hours for Project: 1,040 **Estimated Personnel Costs for Project: $70,000**

SOLID WASTE


STOP
Proceed to Cashier When Light is Green
SCALE 3
STOP
Proceed When Light is Green
SCALE 4

SOLID WASTE FUND CAPITAL FACILITY PLAN

CFP YEAR: 2024 - 2029
MANAGER: Jonathan Boehme
CONTACT: jboehme@cityofpa.us
PHONE: 360-417-4803



SOLID WASTE FUND GOALS AND OBJECTIVES:
To maintain and provide capital assets for the Solid Waste fund, including the transfer station, collections and post closure requirements.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Solid Waste Reserves	$ 81,300	$ 220,000	$ 1,356,500	$ 200,000	$ 400,000	$ 400,000	$ -	$ -
Grants	79,500	10,000	384,800	-	-	-	-	-
Bonds use of excess bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
TOTAL	**$ 160,800**	**$ 230,000**	**$ 1,741,300**	**$ 200,000**	**$ 400,000**	**$ 400,000**	**$ -**	**$ -**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	-	135,000	90,000	28,000	112,000	-	-	-
Construction	160,800	95,000	1,651,300	172,000	288,000	400,000	-	-
TOTAL	**$ 160,800**	**$ 230,000**	**$ 1,741,300**	**$ 200,000**	**$ 400,000**	**$ 400,000**	**$ -**	**$ -**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor	12,688	25,480	196,766	28,000	112,000	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation/ amorization	-	100,600	100,600	127,300	153,900	153,900	153,900	153,900
Other	-	-	-	-	-	-	-	-
Debt payment	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	**$ 12,688**	**$ 126,080**	**$ 297,366**	**$ 155,300**	**$ 265,900**	**$ 153,900**	**$ 153,900**	**$ 153,900**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

PROJECTS COMPLETED IN 2022		Actual	Budget
SW0421	Transfer Station	1,665,853	1,627,800
SW0117	Landfill Scale Software	187,774	184,000
		1,853,627	**1,811,800**

Completed projects are not included in the ongoing project totals for expenditures or revenues.

SOLID WASTE PROJECT LIST & CASH FLOW

SOLID WASTE PROJECTS Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
SW0112	Decant Facility at Transfer Station	A	1,040,400	160,800	110,000	769,600	-	-	-	-	-
SW0221	Facility Assessment	A	10,000	-	10,000	-	-	-	-	-	-
SW0120	Landfill Pump Station 17 Repair	1	336,000	-	-	336,000	-	-	-	-	-
SW0121	Landfill Access Road Repair	2	635,700	-	-	635,700	-	-	-	-	-
SW0122	Landfill Automated Facility Gate	3	110,000	-	110,000	-	-	-	-	-	-
SW0323	Long Haul Truck Tarping Station	4	200,000	-	-	-	200,000	-	-	-	-
SW0321	Landfill Access Road Repair - Phase 2	5	800,000	-	-	-	-	400,000	400,000	-	-
SW0218	Landfill Security Fencing	UF	220,000	-	-	-	-	-	-	-	-
SW0123	Recycle Processing Center	UF	750,000	-	-	-	-	-	-	-	-
SW0223	Landfill Cover System Repairs	UF	150,000	-	-	-	-	-	-	-	-
SW0423	MRWF Building Conversion - Office Space	UF	Unknown	-	-	-	-	-	-	-	-
SW0523	Decant Facility Equipment	UF	70,000	-	-	-	-	-	-	-	-
Total			**4,322,100**	**160,800**	**230,000**	**1,741,300**	**200,000**	**400,000**	**400,000**	**-**	**-**

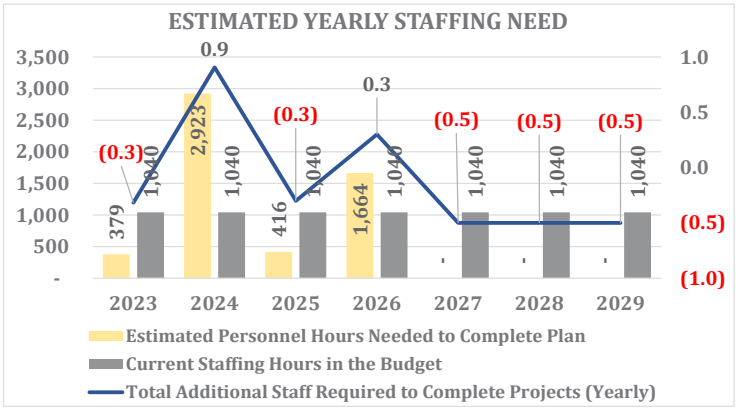
Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	1,262,431	1,194,531	190,531	381,531	374,231	367,531	757,531
Landfill Surcharge*	1,283,400	1,283,400	1,283,400	1,283,400	1,283,400	1,283,400	1,283,400
Funding sources:							
Solid Waste Rates	50,000	250,000	300,000	300,000	300,000	300,000	300,000
Grants	10,000	384,800	-	-	-	-	-
Bonds (net used & paid)	(1,193,900)	(1,192,800)	(1,194,300)	(1,194,500)	(1,193,800)	(1,197,100.0)	(1,194,300.0)
General Fund	-	-	-	-	-	-	
Donations	-	-	-	-	-	-	-
Interest Income	12,600	11,900	1,900	3,800	3,700	3,700	7,600
Spending:							-
Project Cost	(230,000)	(1,741,300)	(200,000)	(400,000)	(400,000)	-	-
Ending Cash Balance	**1,194,531**	**190,531**	**381,531**	**374,231**	**367,531**	**757,531**	**1,154,231**

Depreciation	**444,930**	**444,930**	**471,596**	**498,263**	**498,263**	**496,821**	**496,821**
Cash/Depreciation	**2.68**	**0.43**	**0.81**	**0.75**	**0.74**	**1.52**	**2.32**

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	379	2,923	416	1,664	-	-	-
Current Staffing Hours in the Budget	1,040	1,040	1,040	1,040	1,040	1,040	1,040
Difference	*(661)*	*1,883*	*(624)*	*624*	*(1,040)*	*(1,040)*	*(1,040)*
Total Additional Staff Required to Complete Projects (Yearly)	**(0.3)**	**0.9**	**(0.3)**	**0.3**	**(0.5)**	**(0.5)**	**(0.5)**

The current capital plan would not require any additional FTE's to complete when averaged; however, in years when large projects are included additional staffing will be needed for completion.



Decant Facility at Transfer Station SW0112



Project Status: Design
Present Condition: Poor
Latitude / Longitude: 48.131198, -123.518793
Project Manager: Lucio Baack
Estimated Life: 25 Years

ABOUT THE PROJECT:

Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea. The larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant. Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from Department of Ecology (DOE) in the amount of $474,300 with a city match of 15% from the solid waste reserves in the amount $83,700. An additional $35,000 from solid waste reserves was allocated for the purchase of property in the 2021 budget. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of Water, Stormwater and Wastewater portions of the facility, the utilities are contributing funding under WT0419, DR0120 and WW0519.

JUSTIFICATION:

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Solid Waste Fund	$ 81,334	$ 100,000	$ 384,766					
Grants	79,466	10.000	384,834					
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 160.800**	**$ 110.000**	**$ 769.600**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

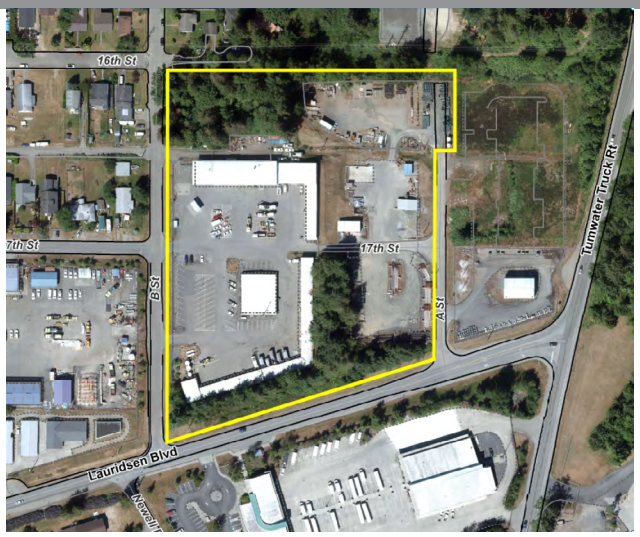
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	160,800	110,000	769,600					
TOTAL	**$ 160.800**	**$ 110.000**	**$ 769.600**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,040,400 **Estimated Total Design Cost: $125,000**

Estimated Personnel Hours for Project: 1,220 **Estimated Personnel Costs for Project: $82,096**

PROJECT STATUS: PLANNING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE: 48.111244, -123.461973
PROJECT MANAGER: DAVID WEGENER
ESTIMATED LIFE:



ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Solid Waste utility's contribution to the overall effort. Equal contributions from each utility including Stormwater (DR0121), Wastewater (WW0121), Water (WW0321) and from the Transportation fund (TR0821) in the amount of $10,000 to equal a total amount of $50,000.

JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Solid Waste Fund		$ 10,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 10,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		10,000						
TOTAL	$ 0	$ 10,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $10,000
Estimated Total Design Cost: $10,000
Estimated Personnel Hours for Project: 21
Estimated Personnel Costs for Project: $1,400

Landfill Pump Station #17 Repair SW0120

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.131246, -123.516390
Project Manager: Lucio Baack
Estimated Life: 30 Years +

ABOUT THE PROJECT:

A Consultant will perform pump station and force main inspection/evaluation. Results of the inspection/evaluation will dictate scope of PS17 repair work. Facility upgrade will include a standby emergency generator with an estimated cost of $75,000. Funding will be split between Transfer Station and Post-Closure divisions.

JUSTIFICATION:

Pump Station 17 's pumps are not able to maintain a sufficient flow rate to prevent a sanitary sewer overflow during wet weather. Staff observations indicate potential issues with the force main or pumps. Project may require hiring a consultant for expedited evaluation, design, and/or repair work.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Solid Waste Fund			$ 336,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 336,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

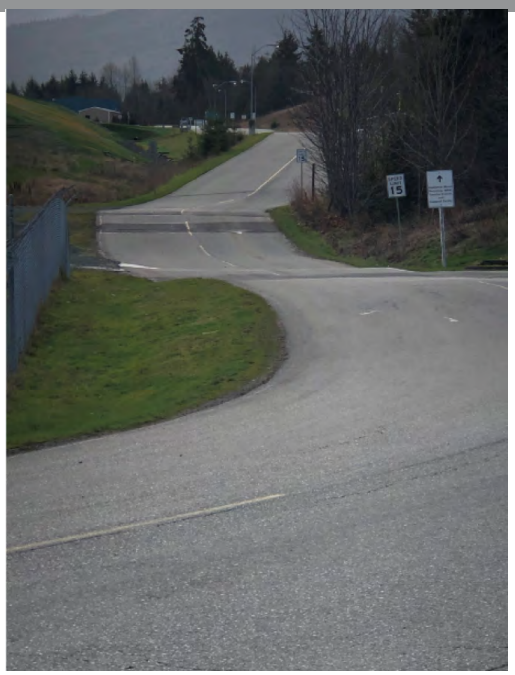
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			336,000					
TOTAL	**$ 0**	**$ 0**	**$ 336,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $336,000 **Estimated Total Design Cost: $70,000**

Estimated Personnel Hours for Project: 699 **Estimated Personnel Costs for Project: $47,040**

Landfill Access Road Repair SW0121



Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.131583, -123.519873
Project Manager: Lucio Baack/Jeremy Pozernick
Estimated Life: 15 Years

ABOUT THE PROJECT:

This project will install a pavement overlay from the Port Angeles Landfill access gate to the Transfer Station scales facility. A geotech evaluation of the area impacted by differential settlement may be required. Geotech evaluation results will dictate the method of repair in the area of differential settlement.

JUSTIFICATION:

The 18th Street access road to the Port Angeles Transfer Station was last paved in 2006. This project aims to restore pavement condition, and address a differential settlement issue affecting the road between the recycling facility and the western Stormwater Pond.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Solid Waste Fund			$ 635,700					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 635,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			635,700					
TOTAL	**$ 0**	**$ 0**	**$ 635,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $635,700 **Estimated Total Design Cost: $10,000**

Estimated Personnel Hours for Project: 1,322 **Estimated Personnel Costs for Project: $88,998**

Landfill Automated Facility Gate SW0122



Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.131213, -123.513218
Project Manager: Lucio Baack
Estimated Life: 25 years

ABOUT THE PROJECT:

The project will install an automated gate at the Transfer Station main entrance, with a key card entry system. Ideally the system would report to a software that can be integrated/ correlated to the Transfer Station Unitec Scale House records.

JUSTIFICATION:

The existing Landfill/Transfer Station main gate, is a manual swing style barrier gate. No record of who enters the facility is recorded, which presents some issues during early morning hours. There currently is no way of verifying that everyone who enters the facility outside business hours travels over the Transfer Station scales. A automated gate with a key card entry system would create a record that could be checked against the Scale House load tickets.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Solid Waste Fund		$ 110,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 110,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		110,000						
TOTAL	**$ 0**	**$ 110,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $110,000 **Estimated Total Design Cost: $10,000**

Estimated Personnel Hours for Project: 229 **Estimated Personnel Costs for Project: $15,400**

Long Haul Truck Tarping Station SW0323



Project Status: Active
Present Condition: Excellent
Latitude / Longitude: 48.127007, -123.518587
Project Manager: Lucio Baack
Estimated Life: 25 Years

ABOUT THE PROJECT:

This project would provide a safe tarping station for tarping the Municipal Solid Waste long haul trailers at the Transfer Station. This would entail building a raised platform which would allow for the tarping without the use of ladders or a man lift.

JUSTIFICATION:

The current use of a man-lift to tarp the trailers is not ideal. It is time consuming, cumbersome, ineffective, and unsafe in inclement weather.

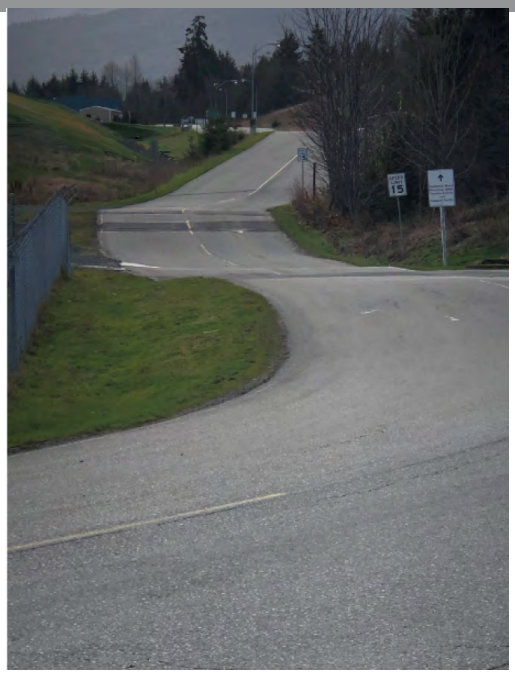
FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund				$ 200.000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 200.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				200,000				
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 200.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $200,000
Estimated Total Design Cost: $28,000
Estimated Personnel Hours for Project: 416
Estimated Personnel Costs for Project: $28,000

Landfill Access Road Repair - Phase 2 SW0321



Project Status: Planning
Present Condition: Excellent
Latitude / Longitude: 48.131583, -123.519873
Project Manager: Jeremy Pozernick
Estimated Life: 15 Years

About the Project:

This project aims to restore pavement condition on the southern portion of the Port Angeles Landfill Property. From the Scales building to the Transfer Station / Compost Facility.

Justification:

The 18th Street access road to the Port Angeles Transfer Station was last paved in 2006.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Solid Waste Fund					$ 400,000	$ 400,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 400,000**	**$ 400,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					400,000	400,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 400,000**	**$ 400,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $800,000 **Estimated Total Design Cost: $112,000**

Estimated Personnel Hours for Project: 1,664 **Estimated Personnel Costs for Project: $112,000**

SOLID WASTE UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Landfill Security Fencing SW0218



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.127506, -123.518855
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Estimated Total Project Cost: $220,000

About The Project:
The purpose of the fence is to provide security to the Port Angeles Regional Transfer Station. This project will consist of furnishing and installing a six foot tall chain link fence type three with barbwire arms.

Justification:
To prevent trespass of neighboring property.

Recycling Processing Center SW0123



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude:
Project Manager: Lucio Baack
Estimated Life: 20 Years
Estimated Total Project Cost: $750,000

About The Project:

This project would entail remodeling the current Compost Facility Building into a Recycling Processing Center/shop/Solid Waste equipment parking. Including door installations, interior walls, equipment shop, and a compactor/baler for the bailing of mixed recycling and cardboard.

Justification:

Mixed recycling and cardboard is currently being top loaded loose and shipped to a recycling center in Seattle. With the current system, only 8-9 tons of material is being shipped per load. With the ability to compact and bail the recyclables, these shipments will be approximately 25-30 tons per load. This will greatly reduce the number of trips to Seattle each month, saving the City a substantial cost and reducing environmental emissions.

Landfill Cover System Repairs SW0223



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.131198, -123.518793
Project Manager: Lucio Baack
Estimated Life: 20 years
Estimated Total Project Cost: $150,000

About The Project:

The Landfill 351 Cell Cover System may need repairs, Post Closure Consultant Aspect Consulting to evaluate, and determine if repairs are necessary.

Justification:

Repairs may be necessary to ensure long term health of the landfill cover system and landfill gas collection system.

MRWF Building Conversion - Office Space SW0423



Project Status: Unfunded
Present Condition: Fair
Latitude / Longitude: 48.131198, -123.518793
Project Manager: Lucio Baack
Estimated Life: 20 Years
Estimated Total Project Cost: unknown

About The Project:

This project would entail remodeling the current Moderate Risk Waste Facility building into office space for the Solid Waste Division Superintendent, collection coordinator, and crew quarters for the collection drivers.

Justification:

Moving the solid waste collection operation to this facility would greatly reduce congestion at the Corp Yard and allow all of the Solid Waste Division to be located at the Transfer Station.

Decant Facility Equipment SW0523



Project Status: Unfunded
Present Condition: Good
Latitude / Longitude: 48.126222, -123.521128
Project Manager: Lucio Baack
Estimated Life: 25 Years
Estimated Total Project Cost: $70,000

About The Project:

Purchase Mobile Equipment (Compact Wheel Loader) to move and process decant solids.

Justification:

The Compact Wheel Loader design allows for a large ~2 CU bucket capacity with a smaller compact machine for operation in tight areas. The loader will be used to manage the solids generated at the decant facility. The unit will have an operating weight of around 14,000-20,000 lbs.

CITY OF PORT ANGELES

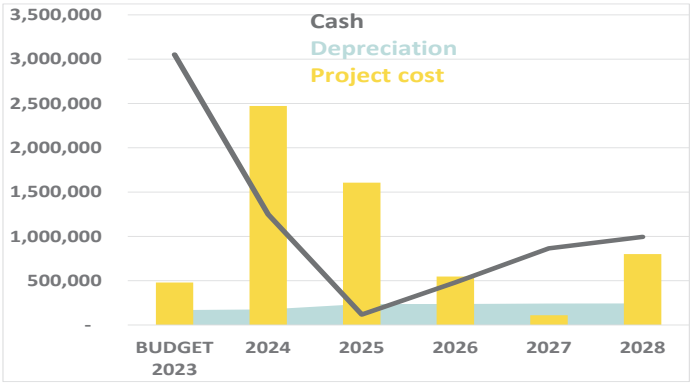
2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

STORMWATER



STORMWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2024 - 2029
MANAGER: JONATHAN BOEHME
CONTACT: JBOEHME@CITYOFPA.US
PHONE: 360-417-4803



STORMWATER FUND GOALS AND OBJECTIVES:
To build and manage stormwater drainage within the City.

FUNDING SOURCES	PRIOR YEARS	Budget 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Capital Reserves	$ 36,800	$ 480,000	$ 2,486,300	$ 1,621,000	$ 62,000	$ 125,000	$ 315,000	$ 941,000
Grants	-	$ -	-	-	425,000	-	425,000	2,015,000
Bonds	-	$ -	-	-	-	-	-	-
General Fund	-	$ -	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance	-	$ -	-	-	-	-	-	-
Other Funds - NICE Funds	-	$ -	-	-	-	-	-	198,000
TOTAL	**$ 36,800**	**$ 480,000**	**$ 2,501,300**	**$ 1,636,000**	**$ 502,000**	**$ 140,000**	**$ 755,000**	**$ 3,169,000**

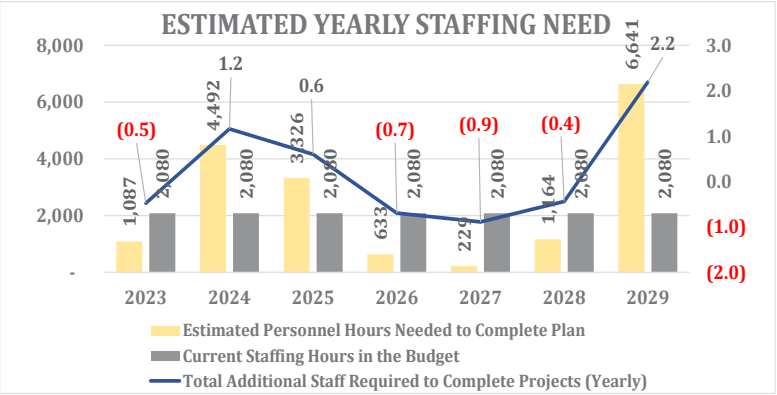
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	36,800	372,000	350,700	-	47,000	110,000	300,000	-
Construction	-	108,000	2,120,600	1,606,000	500,000	-	500,000	3,139,000
TOTAL	**$ 36,800**	**$ 480,000**	**$ 2,471,300**	**$ 1,606,000**	**$ 547,000**	**$ 110,000**	**$ 800,000**	**$ 3,139,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor		73,100	302,300	223,900	42,600	15,400	78,300	447,000
Supplies								
Communications								
Depreciation		1,600	9,900	69,900	90,000	95,600	97,000	105,700
Other								
TOTAL OTHER COSTS	**$ -**	**$ 74,700**	**$ 312,200**	**$ 293,800**	**$ 132,600**	**$ 111,000**	**$ 175,300**	**$ 552,700**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	1,087	4,492	3,326	633	229	1,164	6,641
Current Staffing Hours in the Budget	2,080	2,080	2,080	2,080	2,080	2,080	2,080
Difference	*(993)*	*2,412*	*1,246*	*(1,447)*	*(1,851)*	*(916)*	*4,561*
Total Additional Staff Required to Complete Projects (Yearly)	**(0.5)**	**1.2**	**0.6**	**(0.7)**	**(0.9)**	**(0.4)**	**2.2**

The current capital plan would require an average of 1.1 additional FTE's to complete; however, in years when large projects are included additional staffing will be required for completion.



STORMWATER PROJECT LIST & CASH FLOW

STORMWATER PROJECTS Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
DR0213	H Street Stormwater Outfall	A	817,500	4,500	102,000	711,000	-	-	-	-	-
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	1,097,600	24,400	20,000	1,053,200	-	-	-	-	-
DR0804	Lincoln Park/Big Boy Pond Study	1	138,000	-	110,000	28,000	-	-	-	-	-
DR0322	Park Ave. Outfall to Peabody Creek	2	495,000	-	198,000	297,000	-	-	-	-	-
DR0121	Facility Assessment	3	10,000	-	10,000	-	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	4	4,180,000	7,900	-	322,100	1,606,000	-	-	-	-
DR0215	Francis Street Outfall Repair	5	100,000	-	40,000	60,000	-	-	-	-	-
DR0304	Stormwater at Laurel Street & US 101	6	2,167,000	-	-	-	-	47,000	110,000	-	2,010,000
DR0115	Liberty Street Stormwater Improvement	7	2,977,000	-	-	-	-	-	-	272,000	-
DR0122	18th St. Culvert & Outfall Improvement	8	803,000	-	-	-	-	-	-	-	161,000
DR0117	Peabody Street Water Quality Project	9	798,000	-	-	-	-	-	-	28,000	770,000
DR0222	Chase Street Stormwater Improvements	10	198,000	-	-	-	-	-	-	-	198,000
DR0123	Land Acquisition	R	1,000,000	-	-	-	-	500,000	-	500,000	-
DR0223	Decant Facility Equipment	UF	70,000	-	-	-	-	-	-	-	-
DR0219	Outfall to Creek Improvement Program	UF	183,000	-	-	-	-	-	-	-	-
DR0112	Valley Creek Culvert & Outfall	UF	1,022,000	-	-	-	-	-	-	-	-
Total			**16,056,100**	**36,800**	**480,000**	**2,471,300**	**1,606,000**	**547,000**	**110,000**	**800,000**	**3,139,000**

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	BUDGET 2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	3,089,060	3,052,060	1,247,760	117,760	480,760	864,760	993,760
Funding sources:							
Utilities Reserves	443,000	452,000	461,000	470,000	479,000	489,000	499,000
Grants	-	-	-	425,000	-	425,000	2,015,000
Bonds	-	-	-	-	-	-	-
General Fund	-	15,000	15,000	15,000	15,000	15,000	15,000
Use of Reserves - One Time Transfer	-	200,000	-	-	-	-	-
Other Funds (NICE Funds)	-	-	-	-	-	-	198,000
Spending:							
Project cost	(480,000)	(2,471,300)	(1,606,000)	(547,000)	(110,000)	(800,000)	(3,139,000)
Ending Cash Balance	**3,052,060**	**1,247,760**	**117,760**	**480,760**	**864,760**	**993,760**	**581,760**

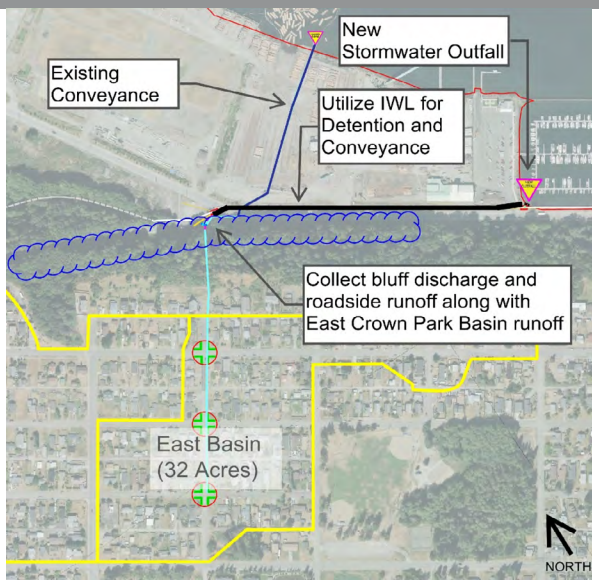
Depreciation	**168,081**	**176,499**	**236,872**	**236,257**	**241,959**	**243,362**	**252,290**
Depreciation to Cash Ratio	**18.16**	**7.07**	**0.50**	**2.03**	**3.57**	**4.08**	**2.31**

PROJECTS COMPLETED IN 2022		Actual	Budget
DR0119	N Street Outfall Improvement	444,096	482,500
TOTAL COMPLETED PROJECTS		**444,096**	**482,500**

Completed projects are not included in the ongoing project totals for expenditures or revenues.

"H" Street Stormwater Outfall DR0213

Project Status: Design
Present Condition: Poor
Latitude / Longitude: 48.127391, -123.464129
Project Manager: Vince McIntyre
Estimated Life: 80 Years



About the Project:

Identify an alternate alignment for stormwater currently conveyed through an undersized, failing storm pipe between Marine Drive and a saltwater outfall to reduce flooding in the Crown Park neighborhood. This project will connect to a new surface stake pipe installed with the 4th Street Stormwater Project to alleviate pressure on the existing system. Pipe alignment options have been evaluated in determining the preferred route. To minimize excavation in a culturally sensitive area, the abandoned industrial waterline (IWL) may be used to convey runoff easterly to a new engineered outfall at the Boat Haven. Localized runoff from Marine Drive and groundwater discharging at the bluff toe will also be included in the design.

Justification:

Decrease residential flooding, eliminate dependency on a failing pipe conveyance across private property, and reduce maintenance and repair costs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund	$ 4,500	$ 102,000	$ 711,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 4,500**	**$ 102,000**	**$ 711,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	4,500	102,000	711,000					
TOTAL	**$ 4,500**	**$ 102,000**	**$ 711,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $817,500 **Estimated Total Design Cost: $106,500**

Estimated Personnel Hours for Project: 1,691 **Estimated Personnel Costs for Project: $113,820**

Decant Facility at Transfer Station - Stormwater Soils Decant Bays

DR0120





Project Status: Design
Present Condition: Fair
Latitude / Longitude: 48.125827, -123.520709
Project Manager: Lucio Baack
Estimated Life: 25 Years

ABOUT THE PROJECT:

Stormwater's $1,000,000 contribution toward SW0112 Decant Facility at Transfer Station Project. Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea, the larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant. Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from the Department of Ecology (ECY) in the amount of $474,300 with a city match of 15% from the solid waste reserves in the amount $83,700. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of Solid Waste, Water, and Wastewater portions of the facility, the utilities are contributing ($1,040,000 from SW0112) , ($880,000 from WT0419), & ($880,000 from WW0519) respectively.

JUSTIFICATION:

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permits.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund	$ 24,400	$ 20,000	$ 1,053,200					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 24,400**	**$ 20,000**	**$ 1,053,200**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	24,400	20,000	1,053,200					
TOTAL	**$ 24,400**	**$ 20,000**	**$ 1,053,200**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,097,600 **Estimated Total Design Cost: $45,000**

Estimated Personnel Hours for Project: 1,488 **Estimated Personnel Costs for Project: $100,161**

Lincoln Park/Big Boy Pond Study DR0804



Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.1155294, -123.47487
Project Manager: Vince McIntyre
Estimated Life: 50 Years

ABOUT THE PROJECT:

The ponds at Lincoln Park and Big Boy Pond at Steven's Middle School are integral stormwater detention and flow control facilities that are part of a large drainage network that ultimately discharges to Tumwater Creek. Occasional seasonal flooding of the Lincoln Park ball fields is necessary to prevent residential flooding around the Big Boy Pond is achieved manually via exercising flood gates. This project will perform a hydrologic analysis of the overall drainage basin, update accountability and determine ownership/responsibility of stormwater infrastructure, evaluate conveyance and pump capacity, make remedial recommendations to eliminate flooding, and prepare design documents necessary for bid and construction. Funding for construction will be dependent upon the results of this study.

JUSTIFICATION:

Prevent flooding in the fairground and areas west of Stevens Middle School.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund		$ 110,000	$ 28,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 110,000**	**$ 28,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		110,000	28,000					
TOTAL	**$ 0**	**$ 110,000**	**$ 28,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $138,000 **Estimated Total Design Cost: $138,000**

Estimated Personnel Hours for Project: 287 **Estimated Personnel Costs for Project: $19,320**

Park Avenue Outfall to Peabody Creek DR0322



Project Status: Design
Present Condition: Poor
Latitude / Longitude: 48.101689, -123.427933
Project Manager: Vince McIntyre
Estimated Life: 80 Years

ABOUT THE PROJECT:

This project entails design and construction of a new stormwater outfall to replace the failed existing outfall. A design consultant will be selected to evaluate the drainage basin, size the pipe and dispersion structure, select stormwater anchors and structures necessary for connection with the existing 24" concrete main, intercept other nearby stormwater discharge points and tightline them into the new dispersion structure, put together a full construction plan set, specs., estimate, manual, and apply for permitting. Construction will entail performing the design work, satisfying the environmental permitting requirements for work within the stream corridor, and re-stabilizing disturbed areas.

JUSTIFICATION:

The lower stormwater conveyance section and outfall from Park Avenue to Peabody Creek has failed due to exceedance of service life. This corrugated metal pipe (CMP) outfall was installed in 1954 and serves a 100-acre residential drainage basin situated North of Ahlvers Rd. and East of Laurel St. and includes the Port Angeles High School. Quick design and construction is necessary to prevent further destabilization of the slope, prolonged erosion into Peabody Creek, and possible impacts to the nearby roadway. This project will occur in-part on Olympic National Park (ONP) property and will require multi-jurisdictional coordination.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund		$ 198,000	$ 297,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 198,000	$ 297,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		198,000	297,000					
TOTAL	$ 0	$ 198,000	$ 297,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $495,000 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 1,030 **Estimated Personnel Costs for Project: $69,300**

PROJECT STATUS: PLANNING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE:
48.11125142552966, -123.46121781631292
PROJECT MANAGER: JONATHAN BOEHME
ESTIMATED LIFE:



ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Stormwater utility's contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Water (WT0321), Wastewater (WW0121), and from the Transportation fund (TR0821) in the amount of $10,000 to equal a total amount of $50,000.

JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund		$ 10,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 10,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		10,000						
TOTAL	**$ 0**	**$ 10,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $10,000
Estimated Total Design Cost: $10,000
Estimated Personnel Hours for Project: 42
Estimated Personnel Costs for Project: $2,800

Stormwater at Canyon Edge & Ahlvers DR0404



Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.094362, -123.434709
Project Manager: Vince McIntyre
Estimated Life: 80 Years

ABOUT THE PROJECT:

Improve the stormwater system at Canyon Edge and Ahlvers Streets. Install new storm conveyance to route high flows to new outfall upstream of the existing Mill Creek outfall. A consultant will be selected to design the project. This is a two part project with an initial phase to alleviate the most severe conditions with the second phase in an unfunded status at $2.24M.

JUSTIFICATION:

Flooding occurs during 2-yr. storm events, overtops the stormwater system, and adversely impacts numerous public and private properties in and around the canyon edge area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 7,900		$ 322,100	$ 1,606,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 7,900**	**$ 0**	**$ 322,100**	**$ 1,606,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	7,900	0	322,100	1,606,000				
TOTAL	**$ 7,900**	**$ 0**	**$ 322,100**	**$ 1,606,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $4,180,000 **Estimated Total Design Cost: $330,000**

Estimated Personnel Hours for Project: 4,010 **Estimated Personnel Costs for Project: $269,934**

Francis Street Outfall Repair DR0215



Project Status: Design
Present Condition: Poor
Latitude / Longitude: 48.116354, -123.418302
Project Manager: Vince McIntyre
Estimated Life: 80 Years

ABOUT THE PROJECT:

The existing stormwater outfall at Francis St. is almost entirely submerged under beach sediments and should be upgraded to restore flow capacity and to meet current Washington Dept. of Fish and Wildlife standards. Rather than a pipe extending into the tidelands, current standards require energy dissipation, which will be located on the rip-rap bank. The restoration of outfall capacity is needed to allow upstream connections and development without causing localized flooding.

JUSTIFICATION:

The current outfall pipe is plugged and stormwater exits through holes in the pipe along the beach. The capacity is not adequate to handle large stormwater discharge events. In 2022, the outfall's present condition was downgraded to "poor" as the outlet is almost entirely plugged, causing flooding and erosion across the Waterfront Trail and requiring City staff attention after most rain events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund		$ 40,000	$ 60,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 40,000**	**$ 60,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		40,000	60,000					
TOTAL	**$ 0**	**$ 40,000**	**$ 60,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $100,000 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 416 **Estimated Personnel Costs for Project: $28,000**

Stormwater at Laurel Street & US 101 DR0304



Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.107408, -123.445146
Project Manager: Vince McIntyre
Estimated Life: 80 Years

ABOUT THE PROJECT:

Design and construct stormwater system improvements through the intersection of Lincoln and Lauridsen with Highway 101, as well as other areas of flooding along Lauridsen and Highway 101. Additionally, the design team will look for an opportunity for installation of a stormwater retrofit treatment facility and improved outfall to the creek. The retrofit portion of the project will require a $1.3M grant to design and add a water treatment component to the project.

JUSTIFICATION:

Stormwater that collects upstream of Highway 101 arrives at this area and the pipes are not large enough to properly carry the water. The water is also piped east to Peabody Creek rather than Valley Creek to the west. This is a City issue unrelated to runoff from Highway 101.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund					$ 47,000	$ 110,000		$ 710,000
Grants								1,300,000
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 47,000**	**$ 110,000**	**$ 0**	**$ 2,010,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					47,000	110,000		2,010,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 47,000**	**$ 110,000**	**$ 0**	**$ 2,010,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $2,167,000 **Estimated Total Design Cost: $450,000**

Estimated Personnel Hours for Project: 4,507 **Estimated Personnel Costs for Project: $303,380**

Liberty Street Stormwater Improvement DR0115



Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.106788, -123.414558
Project Manager: Vince McIntyre
Estimated Life: 80 Years

ABOUT THE PROJECT:

Existing stormlines near Liberty Street are undersized. This project will increase the capacity of stormwater drainage at Liberty Street. Project extent is limited to conveyance from Liberty Street to Washington Street. Funding for analysis and design are reflected below. Construction funding, in the amount of $1.359 million, is budgeted out beyond 2029. Additionally, $1.346 million is unfunded to address restrictions along this alignment further north to the outfall.

JUSTIFICATION:

To prevent and help mitigate flooding issues.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund							$ 272,000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 272,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							272,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 272,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $2,977,000 **Estimated Total Design Cost: $272,000**

Estimated Personnel Hours for Project: 566 **Estimated Personnel Costs for Project: $38,080**

18th Street Culvert & Outfall Improvement DR0122

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.129052, -123.508022
Project Manager: Vince McIntyre
Estimated Life: 80 Years



About the Project:

This project will increase the inlet and conveyance capacity of the stormwater culvert crossing 18th Street near the Ocean View Cemetery to reduce frequent maintenance and reduce the risk of flooding and damage to the roadway. Additionally, the CMP conveyance pipe and outfall will be upgraded to meet current standard for erosion control. The outfall will be extended down the bluff and towards the shoreline and an engineered dispersion tee will be installed to reduce the threat of bluff destabilization. A design consultant will be selected to evaluate the contributing area, size the new infrastructure, secure environmental permitting, and develop the construction plans, specifications, estimate, and project manual.

Justification:

It is necessary for City Staff to frequently inspect and maintain the 18th St. culvert inlet after routine rain events in order to keep the opening cleared and prevent flooding and damage to the roadway. The existing 36 inch CMP pipe inlet and debris barrier is undersized to accommodate the stormwater flow being experienced. Additionally, the historic outfall to the Strait does not meet current standards for erosion prevention. Funding for design is reflected below. Funding for construction, in the amount of $642,000, is budgeted beyond 2029.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								$ 161,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 161,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs								161,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 161,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $803,000 **Estimated Total Design Cost: $161,000**

Estimated Personnel Hours for Project: 335 **Estimated Personnel Costs for Project: $22,540**

Peabody Street Water Quality Project DR0117



Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.113549, -123.431171
Project Manager: Vince McIntyre
Estimated Life: 80 Years

ABOUT THE PROJECT:

Installation of water quality devices in existing stormwater conveyances to Peabody Street. This project is contingent upon being awarded design and construction grant funding ($715k) from Washington State Department of Ecology. This project is part of a larger ongoing effort to improve downstream water quality in the Peabody Creek drainage basin.

JUSTIFICATION:

Removal of pollutants such as fecal coliform from the Peabody Creek Watershed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund							$ 28,000	$ 55,000
Grants								715,000
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 28,000**	**$ 770,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							28,000	770,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 28,000**	**$ 770,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $798,000 **Estimated Total Design Cost: $28,000**

Estimated Personnel Hours for Project: 1,776 **Estimated Personnel Costs for Project: $119,560**

Chase Street Stormwater Improvements DR0222



Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.112202, -123.437216
Project Manager: Vince McIntyre
Estimated Life: 80 Years

About the Project:

This project will extend the 24 inch Lincoln Street storm main from 7th Street to 8th Street and intercept the existing storm conveyance on Lincoln Street between 8th St. and Lauridsen Blvd., thereby redirecting the flow from the Chase St. conveyance and into the N. Lincoln St. conveyance. A consultant will be selected to initiate the design and prepare the construction plans, specifications, estimate, project manual, and apply for environmental permitting. Construction is unfunded.

Justification:

Flooding on Chase Street is being experienced more frequently. This project would alleviate some of the demand on the Chase St. storm system by redirecting 20 acres of residential runoff into the Lincoln St. conveyance line. The Chase Street system was installed in 1956 and is simply no longer capable of conveying the volume of runoff currently being directed to it. The Lincoln Street 24-inch HDPE storm main was installed in 2006 from the Peabody Creek crossing up to the 7th Street intersection.

Extending this storm main will also make development in the 8th & Lincoln St. area more attractive to private property owners by reducing the costs associated with developing in a capacity constrained area. As such, Engineering will be applying to the City's "NICE Neighborhood" program for funding.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
NICE Finds								198,000
TOTAL	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 198,000

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs								198,000
TOTAL	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 198,000

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $198,000
Estimated Total Design Cost: $40,000
Estimated Personnel Hours for Project: 412
Estimated Personnel Costs for Project: $27,720

Land Acquisition Program for Water Quality

DR0123



Project Status: Revolving
Present Condition: Poor
Latitude / Longitude: 48.114451, -123.432244
Project Manager: Vince McIntyre
Estimated Life: N/A

About the Project:

This program allows the City to purchase real property for the purpose of improving or protecting downstream water quality in receiving waters. Some examples would be (but not limited to): creek restoration or daylighting, outfall restoration or improvement, locating retrofit stormwater management facilities or structures, mitigation of a source of pollution, to offset impact from development or re-development within the same drainage basin, reduce erosion, protect stormwater infrastructure, etc. This program could also be used to purchase easements across real property necessary to improve or support an improvement project or facilitate routine inspection and maintenance that benefits downstream water quality.

Justification:

Opportunities for substantial downstream stormwater protection or improvement is often location specific and may involve multiple parcels of real property. This program allows the City to offer private property owners fair market value for their property so that it can be re-purposed and joined together with other parcels to serve a greater good for the City and the environment as a whole.

This is a revolving program; if the fund is not expended or only partially expended within a given year, the fund will accumulate for future projects. It may take many years to set-aside enough funds to offer fair market value for real property. This program may not need to exist in perpetuity; when there no longer is an anticipated need, the program can be disbanded or capped at an upper limit.

As grant opportunities are identified that are consistent with the purpose and goals described above, these funds may be used to satisfy the City's match requirements.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 0		$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 15,000
Grants					425,000		425,000	
Bonds								
General Fund			15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 30,000**	**$ 30,000**	**$ 455,000**	**$ 30,000**	**$ 455,000**	**$ 30,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					500,000		500,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 500,000**	**$ 0**	**$ 500,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,000,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 1,071 **Estimated Personnel Costs for Project: $72,100**

STORMWATER UNFUNDED CAPITAL PROJECTS

Projects identified as necessary but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Decant Facility Equipment - SW Portion DR0223



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.126222, -123.521128
Project Manager: Cody Romero
Estimated Life: 50 Years
Estimated Total Project Cost: $70,000

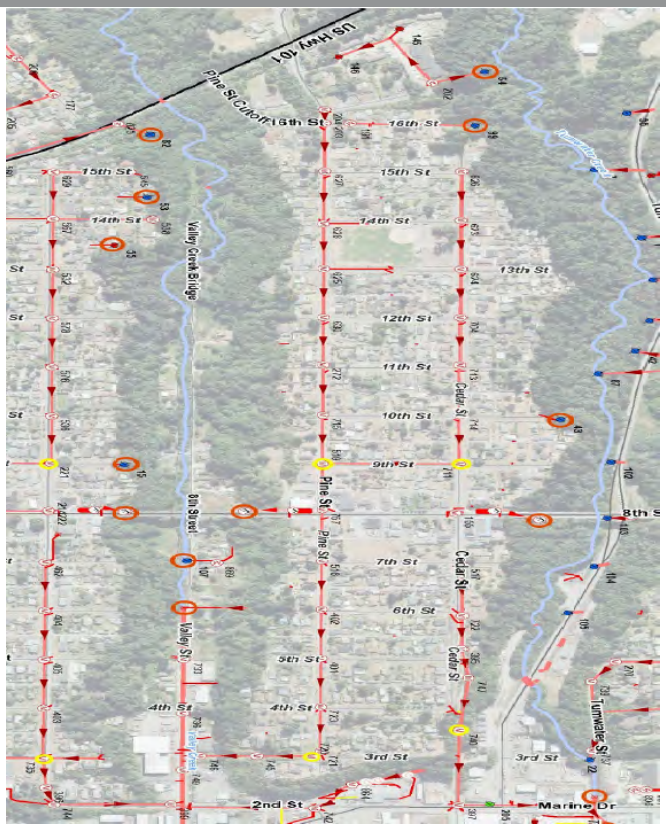
About The Project:

Purchase Mobile Equipment (Compact Wheel Loader) to move and process decant solids.

Justification:

The Compact Wheel Loader design allows for a large ~2 CU bucket capacity with a smaller compact machine for operation in tight areas. The loader will be used to manage the solids generated at the decant facility. The unit will have an operating weight of around 14,000-20,000 lbs.

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.116165, -123.446994
Project Manager: Vince McIntyre
Estimated Life: 80 Years
Estimated Total Project Cost: $183,000



About The Project:

Stormwater runoff within City limits is primarily collected and consolidated into stormwater mains that discharge at engineered outfalls, however, in numerous locations along City creeks, minor stormwater flows from developed hard-surface areas that naturally slope towards the creeks are collected and discharge via outfalls at the top of the steep ravines. Over time this has resulted in localized erosion and contributed to decreased water quality in our fish-bearing creeks. This project is designed to be spread out over time and reoccuring in nature until all outfalls have been appropriately upgraded to meet current stormwater management standards. The first phase of this project would be to evaluate the outfalls, prioritize them for improvement, and schedule them for upgrade. The upgrade process would consist of tightlining the existing outfall to the toe of the ravine, anchoring the pipe with surface staking and/or deadman, stabilizing the outlet with quarry spalls and, where necessary, installing erosion control measures such as blankets, seeding, and plantings.

Justification:

Minimize ravine slope destabilization and increase water quality in fish-bearing creeks.

Valley Creek Culvert & Outfall DR0112



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.121783, -123.439159
Project Manager: Vince McIntyre
Estimated Life: 80 Years
Estimated Total Project Cost: $1,022,000

About The Project:
Replace the lower reach of the seven foot round culvert from south of the industrial waterline to the outfall. The existing culvert outfall is too low, at almost 4 feet lower than the upstream section. Approximately 130 feet will be replaced.

Justification:
The low elevation causes sand and gravel to collect in the culvert, which significantly reduces culvert capacity. We currently have to remove the debris manually, which was estimated to cost $105,000 in 2012.

CITY OF PORT ANGELES

2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

EQUIPMENT SERVICES



EQUIPMENT SERVICES CAPITAL FACILITY PLAN

CFP YEAR: 2024 - 2029
MANAGERS: BRIAN COBURN
CONTACTS: BCOBURN@CITYOFPA.US
PHONE: 360-565-3860

EQUIPMENT SERVICES FUND GOALS AND OBJECTIVES:
Replacement of vehicles and operating cost associated with those vehicles.

FUNDING SOURCES	ACTUAL 2022	BUDGET 2023	CAPITAL FACILITY PLAN 2024	2025	2026	2027	2028	2029
Utilities	$ 478,500	$ 638,900	$ 1,230,800	$ 966,900	$ 1,003,900	$ 1,049,000	$ 1,044,100	$ 1,064,200
General Fund	469,200	639,900	772,200	822,700	887,700	898,200	913,700	918,700
Interest & Vehicles Sales	(493,269)	75,100	57,500	52,700	58,200	55,600	41,100	53,100
Internal Service Funds	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
TOTAL	**$ 455,431**	**$ 1,354,900**	**$ 2,061,500**	**$ 1,843,300**	**$ 1,950,800**	**$ 2,003,800**	**$ 1,999,900**	**$ 2,037,000**

EXPENDITURES	2022	2023	2024	2025	2026	2027	2028	2029
Other Equipment/Generators	-	-	-	9,300	5,300	22,800	-	-
Purchase of Vehicles	3,489,681	3,734,300	1,669,600	1,847,100	2,022,600	2,368,000	550,400	1,240,200
TOTAL	**$ 3,489,681**	**$ 3,734,300**	**$ 1,669,600**	**$ 1,856,400**	**$ 2,027,900**	**$ 2,390,800**	**$ 550,400**	**$ 1,240,200**

MAINTENANCE	2022	2023	2024	2025	2026	2027	2028	2029
Fuel	555,991	324,400	324,400	324,400	324,400	324,400	324,400	324,400
Parts & Repair	1,413,583	1,194,100	1,194,100	1,194,100	1,194,100	1,194,100	1,194,100	1,194,100
Equipment Rental	116,121	86,000	86,000	86,000	86,000	86,000	86,000	86,000
TOTAL MAINTENANCE	**$ 2,085,695**	**$ 1,604,500**	**$ 1,604,500**	**$ 1,604,500**	**$ 1,604,500**	**$ 1,604,500**	**$ 1,604,500**	**$ 1,604,500**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

PROJECT EXPENDITURE LISTING BY YEAR EQUIPMENT SERVICES	BUDGET 2023	PROJECTED SPENDING 2024	2025	2026	2027	2028	2029
Finance	39,900	40,700	-	-	-	-	45,000
Community Development	-	-	-	-	43,200	44,100	-
Police	401,400	-	254,700	259,800	264,900	270,300	295,700
Fire & Medic 1	1,032,200	230,000	-	-	46,100	-	-
Parks & Recreation	182,900	50,000	117,700	198,000	472,100	99,500	102,800
Engineering	-	88,600	45,000	-	-	-	-
Light Operations	438,900	68,200	158,200	28,400	99,200	-	130,500
Water	170,900	53,400	-	319,700	507,900	-	98,500
Wastewater	109,000	-	248,000	-	58,400	34,800	-
Solid Waste	477,900	386,900	379,400	431,600	444,500	-	511,400
Stormwater	384,500	310,000	260,300	94,000	350,000	-	-
Conservation	-	-	-	46,400	-	-	-
Equipment Services	241,400	102,800	240,000	427,400	-	-	36,300
Information Technology	-	-	-	-	-	-	-
Streets	255,300	339,000	153,100	222,600	104,500	101,700	20,000
TOTAL EXPENDITURES PROJECTED	**3,734,300**	**1,669,600**	**1,856,400**	**2,027,900**	**2,390,800**	**550,400**	**1,240,200**

CASH FLOW ANALYSIS	2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	4,809,535	2,430,135	2,822,035	2,808,935	2,731,835	2,344,835	3,794,335
Vehicle purchases	(3,734,300)	(1,669,600)	(1,856,400)	(2,027,900)	(2,390,800)	(550,400)	(1,240,200)
Funding sources:							
Utilities Reserves	638,900	1,230,800	966,900	1,003,900	1,049,000	1,044,100	1,064,200
General Fund	639,900	772,200	822,700	887,700	898,200	913,700	918,700
Sales, Interest & Grants	75,100	57,500	52,700	58,200	55,600	41,100	53,100
Internal Service Funds	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Ending Cash Balance	**2,430,135**	**2,822,035**	**2,808,935**	**2,731,835**	**2,344,835**	**3,794,335**	**4,591,135**

EQUIPMENT SERVICES REPLACEMENT LIST

2023				
DEPARTMENT/ VEHICLE	**REPLACES**	**PROPOSED 2023 WITH CARRYOVER**	**REPLACEMENT TYPE**	**FUEL EFFICIENCY**
FINANCE				
GMC SONOMA PICK-UP	194	39,900	2023 Ford Mach-E SUV (Electric)	N/A
POLICE				
DODGE CHARGER	2210	25,000	2022 Dodge Charger	21 mpg
DODGE CHARGER	2211	25,000	2022 Dodge Charger	21 mpg
DODGE CHARGER	2212	25,000	2022 Dodge Charger	21 mpg
FORD CROWN VICTORIA	1211	81,600	2023 Ford Interceptor	21 mpg
FORD CROWN VICTORIA	5107	81,600	2023 Ford Interceptor	21 mpg
FORD CROWN VICTORIA	1210	81,600	2023 Ford Interceptor	21 mpg
FORD CROWN VICTORIA	1211	81,600	2023 Ford Interceptor	21 mpg
*** FIRE DEPT ***				
PIERCE PUMPER	3	985,000	2023 Rosenbauer Pumper	10 mpg
2021 FORD EXPLORER 4X4	2020	47,200	2021 Ford Explorer	27 mpg
PARKS				
FORD F450 FLATBED/SNOW PLOW	1887	82,300	Ford F450 Flatbed	25 mpg
GMC SIERRA 3500 FLAT BED/SNOW PLOW	4328	100,600	Ford F450 Flatbed	25 mpg
STREET				
FREIGHTLINER W/PATCH BOX	1568	255,300	2022 Freightliner Patch Truck	10 mpg
ELECTRIC				
FREIGHTLINER/VERSALIFT MANLIFT	1950	275,600	2021 Freightliner Bucket Truck	10 mpg
GMC SAVANA VAN	4900	50,400	Ford E-Transit Van (Electric)	N/A
CATERPILLAR FORKLIFT	148	31,500	Hyster F60FT Forklift (Propane)	N/A
CHEVY BLAZER	133	40,700	2023 Ford Mach-E SUV (Electric)	N/A
CHEVY BLAZER	135	40,700	2023 Ford Mach-E SUV electric	N/A
WATER				
GMC CANYON PICK-UP	6702	39,500	Ford Maverick HEV Pickup	37 mpg
JOHN DEERE BACKHOE LOADER	1756	131,400	2023 Cat 420 Backhoe	N/A
WASTEWATER				
FORD F350 SERVICE TRUCK	1616	68,300	Ford F450 Service Truck	25 mpg
GMC SIERRA 1500 4X4 PICK-UP	4600	40,700	Ford F150 HEV Pickup	25 mpg
STORMWATER				
FREIGHTLINER AIR SWEEPER	1240	375,000	2023 Freightliner Air Sweeper	10 mpg
HERB SPRAY ATTACH.	NEW	9,500		N/A
SOLID WASTE				
FORD RANGER PICKUP	1945	42,100	Ford F250 4x4 Pickup	25 mpg
ECOSTACK 5032W CONVEYOR	2184	32,100		N/A
CAT 950 WHEEL LOADER	2180	403,700	2022 Cat 950M Wheel Loader	N/A
EQUIPMENT SERVICES				
HYSTER FORK LIFT H60FT	2190	34,700	Hyster F60FT Forklift propane	N/A
CATERPILLAR WHL LOADER	1569	30,000		N/A
FORD F550 SERVICE TRUCK	2290	176,700	2023 Ford F550 Service Truck	25 mpg
Total		**3,734,300**		

EQUIPMENT SERVICES REPLACEMENT LIST

2024				
DEPARTMENT/ VEHICLE	**REPLACES**	**PROPOSED 2024**	**REPLACEMENT TYPE**	**FUEL EFFICIENCY**
FINANCE				
GMC CANYON PICK-UP	4401	40,700	2024 Ford Mach-E SUV (Electric)	N/A
*** FIRE DEPT ***				
FORD E350 AMBULANCE	7201	230,000	2024 Ford F450 4x4 Med Unit	25 mpg
PARKS				
GMC SIERRA 1500 4X4 PICK-UP	4700	50,000	2024 Ford F150 4x4 HEV Pickup	25 mpg
ENGINEERING				
GMC SIERRA PICK-UP	4300	44,300	2024 Ford Escape HEV SUV	39 mpg
GMC SIERRA PICK-UP	4301	44,300	2024 Ford Escape HEV SUV	39 mpg
STREET				
INTERNATIONAL 5 YD DUMP TRUCK	1790	339,000	2024 Freightliner Dump Truck	10 mpg
ELECTRIC				
TOYOTA FORKLIFT	4901	68,200	2024 Hyster H120FT (Propane)	N/A
WATER				
GMC CANYON PICK-UP	6701	53,400	2024 Ford Maverick HEV	37 mpg
SOLID WASTE				
GARBAGE TRUCK	1080	386,900	2024 Peterbilt Garbage Truck	N/A
STORMWATER				
PERMEABLE PAVEMENT CLEANER	NEW	250,000	2024 Triverus Pavement Cleaner	21 mpg
FORD F150 4X4 PICKUP	NEW	60,000	2024 Ford F150 4x4 HEV Pickup	25 mpg
EQUIPMENT SERVICES				
GMC S10 4X4 PICKUP	15	41,500	2024 Ford Maverick HEV	37 mpg
LINCOLN WELDER	1248	30,000		N/A
HYUNDAI SEDAN	1490	31,300	2024 Ford Escape HEV SUV	39 mpg
Total		**1,669,600**		

FINANCE VEHICLE REPLACEMENT SCHEDULE DIVISION - 2025

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Finance Meter Reader, and Service vehicles. The costs are allocated to the Utilities based on the number of meters being serviced and read so Utilities pays 100% of replacement and expenses to operate.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ 3,000	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	600	2,200	200	300	350	400	400
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 3,600**	**$ 10,000**	**$ 8,000**	**$ 8,100**	**$ 8,150**	**$ 8,200**	**$ 8,200**

EXPENDITURES							
Other Equipment & Attachments	-	-	-	-	-	-	-
Planned Use of Reserves	39,900	40,700	-	-	-	-	45,000
TOTAL	**$ 39,900**	**$ 40,700**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 45,000**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	4,600	4,600	4,600	4,600	4,600	4,600	4,600
Parts & Repair	4521	9,800	9,800	9,800	9,800	9,800	9,800	9,800
Equipment Rental	4533	300	300	300	300	300	300	300
TOTAL MAINTENANCE		**$ 14,700**	**$ 14,700**	**$ 14,700**	**$ 14,700**	**$ 14,700**	**$ 14,700**	**$ 14,700**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
194	GMC SONOMA PICK-UP	1994	2022	39,900	28	39,900	-	-	-	-	-	-
4401	GMC CANYON PICK-UP	2004	2024	40,700	20	-	40,700	-	-	-	-	-
4402	GMC CANYON PICK-UP	2004	2029	45,000	25	-	-	-	-	-	-	45,000
TOTALS				**$ 125,600**		**$ 39,900**	**$ 40,700**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 45,000**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**83,609**	**47,309**	**16,609**	**24,609**	**32,709**	**40,859**	**49,059**
Contributions	3,000	7,800	7,800	7,800	7,800	7,800	7,800
Interest & sale of vehicles	600	2,200	200	300	350	400	400
Reserves Used	(39,900)	(40,700)	-	-	-	-	(45,000)
Projected Year End Cash	**47,309**	**16,609**	**24,609**	**32,709**	**40,859**	**49,059**	**12,259**

Replacement value is based on the current replacement need. These vehicles are used by meter readers who not only read specific routes but assist in turn on and shut off of services for Electric, Water and Wastewater.

COMMUNITY DEVELOPMENT VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 4050-4060

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Building and Planning Divisions.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
General Fund	4520	2,000	2,500	3,000	3,500	4,000	4,500	4,500
Interest & Vehicles Sales	4520	650	700	700	700	2,900	2,600	100
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 2,650**	**$ 3,200**	**$ 3,700**	**$ 4,200**	**$ 6,900**	**$ 7,100**	**$ 4,600**
EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	-	43,200	44,100	-
TOTAL		**$ -**	**$ -**	**$ -**	**$ -**	**$ 43,200**	**$ 44,100**	**$ -**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Parts & Repair	4521	3,100	3,100	3,100	3,100	3,100	3,100	3,100
Equipment Rental	4533	200	200	200	200	200	200	200
TOTAL MAINTENANCE		**$ 5,700**	**$ 5,700**	**$ 5,700**	**$ 5,700**	**$ 5,700**	**$ 5,700**	**$ 5,700**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
8451	FORD F150 Pick-up	2008	2028	44,100	20	-	-	-	-	-	44,100	-
7451	GMC Sierra 1500 4x4 Pick-up	2007	2027	43,200	20	-	-	-	-	43,200	-	-
TOTALS				**$ 87,300**		**$ -**	**$ -**	**$ -**	**$ -**	**$ 43,200**	**$ 44,100**	**$ -**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**60,309**	**62,959**	**66,159**	**69,859**	**74,059**	**37,759**	**759**
Contributions	2,000	2,500	3,000	3,500	4,000	4,500	4,500
Interest & Sale of Vehicles	650	700	700	700	2,900	2,600	100
Reserves Used	-	-	-	-	(43,200)	(44,100)	-
Projected Year End Cash	**62,959**	**66,159**	**69,859**	**74,059**	**37,759**	**759**	**5,359**

Replacement value is based on the current need replacement or if that is unavailable the purchase price multiplied by 2% and the life in years added to the purchase price.

POLICE VEHICLE REPLACEMENT SCHEDULE
DIVISIONS - 5010, 5021, 5022, 5026

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the police vehicles.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General Fund	4520	166,000	220,000	225,000	230,000	235,000	240,000	245,000
Interest & Vehicles Sales	395-XXXX	2,200	2,000	1,800	1,600	1,500	1,600	2,700
Internal Service Funds/Grants	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 168,200**	**$ 222,000**	**$ 226,800**	**$ 231,600**	**$ 236,500**	**$ 241,600**	**$ 247,700**

EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		401,400	-	254,700	259,800	264,900	270,300	295,700
TOTAL		**$ 401,400**	**$ -**	**$ 254,700**	**$ 259,800**	**$ 264,900**	**$ 270,300**	**$ 295,700**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	60,500	60,500	60,500	60,500	60,500	60,500	60,500
Parts & Repair	4521	157,500	157,500	157,500	157,500	157,500	157,500	157,500
Equipment Rental	4533	700	700	700	700	700	700	700
TOTAL MAINTENANCE		**$ 218,700**	**$ 218,700**	**$ 218,700**	**$ 218,700**	**$ 218,700**	**$ 218,700**	**$ 218,700**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
1710	DODGE CHARGER	2017	2029	91,900	12	-	-	-	-	-	-	91,900
2110	FORD INTERCEPTOR K9	2021	2033	64,800	12	-	-	-	-	-	-	-
2111	FORD INTERCEPTOR K9	2021	2033	64,800	12	-	-	-	-	-	-	-
913	FORD EXPEDITION SUV	2009	2025	84,900	16	-	-	84,900	-	-	-	-
1010	DODGE CHARGER	2010	2025	84,900	15	-		84,900	-	-	-	-
2210	DODGE CHARGER	2022	2034	52,500	12	25,000		-	-	-	-	-
1012	DODGE CHARGER	2010	2026	86,600	16	-		-	86,600	-	-	-
2010	DODGE CHARGER	2020	2032	97,500	12	-	-	-	-	-	-	-
1913	DODGE CHARGER	2019	2031	95,600	12	-	-	-	-	-	-	-
1914	DODGE CHARGER	2019	2031	95,600	12	-	-	-	-	-	-	-
1210	FORD CROWN VICTORIA	2007	2023	81,600	15	81,600	-	-	-	-	-	-
1211	FORD CROWN VICTORIA	2007	2023	81,600	14	81,600	-	-	-	-	-	-
2112	FORD INTERCEPTOR	2021	2033	61,400	12		-	-	-	-	-	-
1311	CHEVROLET CAPRICE	2011	2026	86,600	13		-		86,600	-	-	-
2011	DODGE CHARGER	2020	2032	97,500	12	-	-	-	-	-	-	-
1313	DODGE CHARGER	2013	2026	86,600	13	-	-		86,600	-	-	-
1314	CHEVROLET TAHOE SUV	2014	2027	88,300	13	-	-	-		88,300	-	-
1410	DODGE CHARGER	2013	2027	88,300	14	-	-	-		88,300	-	-
1411	FORD CROWN VICTORIA	2005	2023	81,600	15	81,600	-	-	-	-	-	-
1412	DODGE CHARGER	2014	2027	88,300	13	-	-		-	88,300	-	-
1510	GMC TAHOE SUV	2014	2028	90,100	14	-	-	-	-		90,100	-
1511	DODGE CHARGER	2012	2028	90,100	16	-	-	-		-	90,100	-
1512	DODGE CHARGER	2011	2027	-	16	-	-	-	-		-	-
1513	DODGE CHARGER	2011	2028	90,100	17	-	-	-	-		90,100	-
1514	Radar Trailer	2009	2029	20,000	20	-	-	-	-	-		20,000
1612	DODGE CHARGER	2016	2029	91,900	13	-	-	-	-	-		91,900
1613	DODGE CHARGER	2016	2028	91,900	12	-	-	-	-	-		91,900
2012	DODGE CHARGER	2020	2032	97,500	12	-	-	-	-	-	-	-
5107	FORD CROWN VICTORIA	2005	2023	81,600	15	81,600	-	-	-	-	-	-
6101	CHEV COLORADO 4X4 VOLUNTE	2006	2025	84,900	19		-	84,900	-	-	-	-
1910	DODGE CHARGER	2019	2031	95,600	12	-	-	-	-	-	-	-
1813	DODGE CHARGER	2018	2030	93,700	12	-	-	-	-	-	-	-
1814	DODGE CHARGER	2018	2030	93,700	12	-	-	-	-	-	-	-
1815	DODGE CHARGER	2018	2030	93,700	12	-	-	-	-	-	-	-
2211	DODGE CHARGER	2022	2034	68,200	12	25,000	-	-	-	-	-	-
2212	DODGE CHARGER	2022	2034	68,200	12	25,000	-	-	-	-	-	-
TOTALS				**$ 2,912,100**	**13.74**	**$ 401,400**	**$ -**	**$ 254,700**	**$ 259,800**	**$ 264,900**	**$ 270,300**	**$ 295,700**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**233,708**	**508**	**222,508**	**194,608**	**166,408**	**138,008**	**109,308**
CONTRIBUTIONS	166,000	220,000	225,000	230,000	235,000	240,000	245,000
Interest Earned	2,200	2,000	1,800	1,600	1,500	1,600	2,700
Use of replacement funds	(401,400)	-	(254,700)	(259,800)	(264,900)	(270,300)	(295,700)
Projected Year End Cash	**508**	**222,508**	**194,608**	**166,408**	**138,008**	**109,308**	**61,308**

FIRE & MEDIC 1 VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 6010, 6020, 6025, 6030, 6040, 6045

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Fire Department.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities (Medic 1) 2% inflation in COSA	4520	$ 26,000	$ 26,500	$ 27,000	$ 28,400	$ 29,000	$ 29,600	$ 30,200
General Fund	4520	200,000	200,000	200,000	240,000	240,000	260,000	260,000
Interest & Vehicles Sales	4520	3,800	4,100	6,950	9,850	13,250	16,700	20,700
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 229,800**	**$ 230,600**	**$ 233,950**	**$ 278,250**	**$ 282,250**	**$ 306,300**	**$ 310,900**

EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		1,032,200	230,000	-	-	46,100	-	-
TOTAL		**$ 1,032,200**	**$ 230,000**	**$ -**	**$ -**	**$ 46,100**	**$ -**	**$ -**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	27,300	27,300	27,300	27,300	27,300	27,300	27,300
Parts & Repair	4521	103,800	103,800	103,800	103,800	103,800	103,800	103,800
Equipment Rental	4533	500	500	500	500	500	500	500
TOTAL MAINTENANCE		**$ 131,600**	**$ 131,600**	**$ 131,600**	**$ 131,600**	**$ 131,600**	**$ 131,600**	**$ 131,600**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
	FIRE DEPARTMENT											
3	PIERCE PUMPER	1999	2023	985,000	24	985,000	-	-	-	-	-	-
1922	2020 FORD EXPLORER 4X4	2020	2035	69,100	15	-	-	-	-	-	-	-
2020	2021 FORD EXPLORER 4X4	2021	2036	70,600	15	47,200	-	-	-	-	-	-
1924	2020 FORD EXPLORER 4X4	2020	2035	69,100	15	-	-	-	-	-	-	-
6201	PIERCE AERIAL/PUMPER	2006	2036	3,400,000	30	-	-	-	-	-	-	-
7203	GMC SIERRA 1500 4X4 PICK-UP	2007	2027	46,100	20	-	-	-	-	46,100	-	-
920	AIR TRUCK -do not replace	2009		-		-	-	-	-	-	-	-
1620	FORD F550 HME MINI PUMPER	2017	2041	656,300	24	-	-	-	-	-	-	-
1020	PIERCE FIRE PUMPER	2010	2034	1,430,000	24	-	-	-	-	-	-	-
	MEDIC 1					-					-	-
1820	FORD AMBULANCE	2018	2036	404,000	18	-	-	-	-	-	-	-
1420	FORD AMBULANCE	2014	2032	301,500	18	-	-	-	-	-	-	-
7201	FORD E350 AMBULANCE	2007	2024	230,000	17	-	230,000	-	-	-	-	-
TOTALS				**$ 7,661,700**		**$ 1,032,200**	**$ 230,000**	**$ -**	**$ -**	**$ 46,100**	**$ -**	**$ -**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**927,719**	**125,319**	**125,919**	**359,869**	**638,119**	**874,269**	**1,180,569**
Contributions	226,000	226,500	227,000	268,400	269,000	289,600	290,200
Interest & Vehicle Sales	3,800	4,100	6,950	9,850	13,250	16,700	20,700
Reserves Used	(1,032,200)	(230,000)	-	-	(46,100)	-	-
Projected Year End Cash	**125,319**	**125,919**	**359,869**	**638,119**	**874,269**	**1,180,569**	**1,491,469**

Pumpers are replaced on a 24 year cycle with oldest going first every 8 years, except for the Ladder Truck which will be replaced in 30 years.

Ambulances are replaced on a 18 year cycle with oldest going first every 6 years.

The Air Truck was purchased with grant funding and will not be replaced by the City.

PARKS & RECREATION VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 8010-8199

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Senior Center, Cemetery, Facilities, and Parks Departments.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General Fund	4520	90,000	160,000	200,000	215,000	215,000	200,000	200,000
Interest & Vehicles Sales	4520	5,700	4,400	4,400	6,000	100	500	1,100
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 95,700**	**$ 164,400**	**$ 204,400**	**$ 221,000**	**$ 215,100**	**$ 200,500**	**$ 201,100**

EXPENDITURES							
Other Equipment & Attachments	-	-	9,300	5,300	22,800	-	-
Replacement of Vehicles	182,900	50,000	108,400	192,700	449,300	99,500	102,800
TOTAL	**$ 182,900**	**$ 50,000**	**$ 117,700**	**$ 198,000**	**$ 472,100**	**$ 99,500**	**$ 102,800**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	39,800	39,800	39,800	39,800	39,800	39,800	39,800
Parts & Repair	4521	134,000	134,000	134,000	134,000	134,000	134,000	134,000
Equipment Rental	4533	10,500	10,500	10,500	10,500	10,500	10,500	10,500
TOTAL MAINTENANCE		**$ 184,300**	**$ 184,300**	**$ 184,300**	**$ 184,300**	**$ 184,300**	**$ 184,300**	**$ 184,300**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
	SENIOR CENTER											
1735	FORD E450 PASSENGER BUS	2018	2033	143,541	15	-	-	-	-	-	-	-
	CEMETERY											
1230	GRASSHOPPER MOWER 725DR/37461	2012	2027	30,880	15	-	-	-	-	30,900	-	-
1235	JCB BACKHOE	2012	2037	151,128	25	-	-	-	-	-	-	-
1430	JOHN DEERE GATOR TS	2014	2029	20,643	15	-	-	-	-	-	-	20,700
2130	FORD F450 FLATBED W/SNOW PLOW	2022	2042	156,867	20	82,300	-	-	-	-	-	-
	PARKS OPERATIONS											
181	TRAILER	1985	2025	3,900	40	-	-	3,900	-	-	-	-
182	TRAILER	1980	2025	5,400	45	-	-	5,400	-	-	-	-
183	SANI UTILITY TRAILER	1970	2040	4,600	35	-	-	-	-	-	-	-
1231	GROUNDMASTER MOWER 3280D	2012	2027	39,572	15	-	-	-	-	39,600	-	-
1232	GROUNDMASTER MOWER 3280D BLOWER	2012	2027	39,572	15	-	-	-	-	39,600	-	-
1233	GROUNDMASTER MOWER 3280D	2012	2027	45,572	15	-	-	-	-	45,600	-	-
1234	JOHN DEERE FIELD RAKE	2012	2027	22,773	15	-	-	-	-	22,800	-	-
1330	GMC 1 TON FLATBED TRUCK	2013	2033	81,471	20	-	-	-	-	-	-	-
1331	FORD F450 FLATBED TRUCK	2014	2029	82,048	15	-	-	-	-	-	-	82,100
1431	TORO TURF SWEEPER	2014	2034	63,320	20	-	-	-	-	-	-	-
1531	JOHN DEERE FIELD RAKE	2015	2030	24,885	15	-	-	-	-	-	-	-
1630	GMC SILVERADO 2500	2017	2037	110,419	20	-	-	-	-	-	-	-
1631	FORD F450 VERSALIFT MANLIFT	2016	2036	156,228	20	-	-	-	-	-	-	-
1734	FORD F250 PICK-UP	2017	2037	110,419	20	-	-	-	-	-	-	-
2131	GRASSHOPPER MOWER	2021	2036	40,292	15	-	-	-	-	-	-	-
1890	UNIVERSAL EQUIPMENT TRAILER (SM)	1994	2034	6,921	40	-	-	-	-	-	-	-
1930	FORD F350 FLATBED DUMPBED	2019	2034	132,427	15	-	-	-	-	-	-	-
4328	GMC SIERRA 3500 FLAT BED/SNOW PLOW	2004	2023	85,000	19	100,600	-	-	-	-	-	-
4700	GMC SIERRA 1500 4X4	2004	2024	50,000	20	-	50,000	-	-	-	-	-
5330	KUBOTA TRACTOR	2005	2025	56,000	20	-	-	56,000	-	-	-	-
5333	10000# TRAILER	2005	2030	5,900	25	-	-	-	-	-	-	-
5335	FORD F450 w/DUMP	2006	2026	100,200	20	-	-	-	100,200	-	-	-
6321	JOHN DEERE GATOR TS	2006	2026	15,500	20	-	-	-	15,500	-	-	-
6323	GMC SIERRA 2500 PICK-UP	2006	2026	77,000	20	-	-	-	77,000	-	-	-
6324	FORD F450 w/DUMP	2007	2027	107,500	20	-	-	-	-	107,500	-	-
6325	PAINT SPRAYER- WALK BEHIND	2006	2026	5,300	20	-	-	-	5,300	-	-	-
6451	FORD F250 PICK-UP	2007	2027	87,000	20	-	-	-	-	87,000	-	-
7321	TORO AERATOR W/TINES	2007	2027	55,000	20	-	-	-	-	55,000	-	-
1730	JOHN DEERE FIELD RAKE	2017	2032	31,600	15	-	-	-	-	-	-	-
1836	TORO 4000D MOWER	2018	2028	99,500	10	-	-	-	-	-	99,500	-
7322	TOP DRESSER	2007	2027	44,100	20	-	-	-	-	44,100	-	-
8321	EAGLE 6X10 TRAILER	2008	2043	4,500	35	-	-	-	-	-	-	-
1830	KUBOTA L4064HST TRACTOR	2018	2038	82,300	20	-	-	-	-	-	-	-
1837	GMC SAVANNA 2500 VAN	2018	2038	66,100	20	-	-	-	-	-	-	-
	FACILITIES					-	-	-	-	-	-	-
5332	GMC SAVANA VAN	2005	2025	52,400	20	-	-	52,400	-	-	-	-
1931	FORD 250 WHITE VAN	2019	2034	59,000	15	-	-	-	-	-	-	-
4326	SCISSOR LIFT (VERN BURTON)	2004	2034	24,900	30	-	-	-	-	-	-	-
TOTALS				**$ 2,581,678**		**$ 182,900**	**$ 50,000**	**$ 117,700**	**$ 198,000**	**$ 472,100**	**$ 99,500**	**$ 102,800**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**128,250**	**41,050**	**155,450**	**242,150**	**265,150**	**8,150**	**109,150**
Contributions	90,000	160,000	200,000	215,000	215,000	200,000	200,000
Interest & sale	5,700	4,400	4,400	6,000	100	500	1,100
Reserves Used	(182,900)	(50,000)	(117,700)	(198,000)	(472,100)	(99,500)	(102,800)
Projected Year End Cash	**41,050**	**155,450**	**242,150**	**265,150**	**8,150**	**109,150**	**207,450**

ENGINEERING REPLACEMENT SCHEDULE
DIVISION - 7010

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the general fund Engineering division.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General Fund	4520	11,000	13,800	13,800	13,300	13,300	13,300	13,300
Interest & Vehicles Sales	4520	1,100	6,100	2,500	100	200	300	400
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 12,100**	**$ 19,900**	**$ 16,300**	**$ 13,400**	**$ 13,500**	**$ 13,600**	**$ 13,700**

EXPENDITURES							
Other Equipment	-	-	-	-	-	-	-
Replacement of Vehicles	-	88,600	45,000	-	-	-	-
TOTAL	**$ -**	**$ 88,600**	**$ 45,000**	**$ -**	**$ -**	**$ -**	**$ -**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Parts & Repair	4521	5,800	5,800	5,800	5,800	5,800	5,800	5,800
Equipment Rental	4533	4,000	4,000	4,000	4,000	4,000	4,000	4,000
TOTAL MAINTENANCE		**$ 12,600**	**$ 12,600**	**$ 12,600**	**$ 12,600**	**$ 12,600**	**$ 12,600**	**$ 12,600**

Maintenance items can vary substantially based on the cost of fuel and or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
4300	GMC SIERRA Pick-up	2004	2024	44,300	20	-	44,300	-	-	-	-	-
4301	GMC SIERRA Pick-up	2004	2024	44,300	20	-	44,300	-	-	-	-	-
5302	GMC SAVANA VAN	2005	2025	45,000	20	-	-	45,000	-	-	-	-
TOTALS				**$ 133,600**		**$ -**	**$ 88,600**	**$ 45,000**	**$ -**	**$ -**	**$ -**	**$ -**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**85,474**	**97,574**	**28,874**	**174**	**13,574**	**27,074**	**40,674**
Contributions	11,000	13,800	13,800	13,300	13,300	13,300	13,300
Interest & Vehicle Sales	1,100	6,100	2,500	100	200	300	400
Reserves Used	-	(88,600)	(45,000)	-	-	-	-
Projected Year End Cash	**97,574**	**28,874**	**174**	**13,574**	**27,074**	**40,674**	**54,374**

LIGHT OPERATIONS VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 7120, 7111, 7180

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Electric Operations, Electric Engineering and Electric Inspectors.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ 75,000	$ 190,500	$ 190,500	$ 190,500	$ 190,500	$ 190,500	$ 190,500
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	11,500	1,700	1,500	2,300	2,500	3,600	4,000
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 86,500**	**$ 192,200**	**$ 192,000**	**$ 192,800**	**$ 193,000**	**$ 194,100**	**$ 194,500**

EXPENDITURES							
Other Equipment	-	-	-	-	-	-	-
Replacement of Vehicles	438,900	68,200	158,200	28,400	99,200	-	130,500
TOTAL	**$ 438,900**	**$ 68,200**	**$ 158,200**	**$ 28,400**	**$ 99,200**	**$ -**	**$ 130,500**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	33,100	33,100	33,100	33,100	33,100	33,100	33,100
Parts & Repair	4521	151,900	151,900	151,900	151,900	151,900	151,900	151,900
Equipment Rental	4533	6,100	6,100	6,100	6,100	6,100	6,100	6,100
TOTAL MAINTENANCE		**$ 191,100**	**$ 191,100**	**$ 191,100**	**$ 191,100**	**$ 191,100**	**$ 191,100**	**191,100**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
140	SINGLE REEL TRAILER	2000	2025	35,340	25	-	-	35,400	-	-	-	-
148	CATERPILLAR FORKLIFT	1987	2023	31,500	35	31,500	-	-	-	-	-	-
1950	FREIGHTLINER/VERSALIFT MANLIFT TRUCK	1999	2021	398,300	20	275,600	-	-	-	-	-	-
158	BRUSH CHIPPER	2000	2025	62,271	25	-	-	62,300	-	-	-	-
159	BUTLER 3-REEL WIRE TRAILER	1989	2029	57,088	40	-	-	-	-	-	-	57,100
160	TENSIONER	1991	2026	70,346	35	-	-	-	28,400	-	-	-
950	FORD F450 UTILITY TRUCK	2009	2027	99,200	18	-	-	-	-	99,200	-	-
951	REEL TRAILER	2009	2034	11,200	25	-	-	-	-	-	-	-
1150	FREIGHTLINER DIGGER DERRICK	2011	2031	406,900	20	-	-	-	-	-	-	-
1151	FREIGHTLINER TEREX MANLIFT	2011	2031	395,800	20	-	-	-	-	-	-	-
1350	FORD F550 4X4 W/DUMP BED	2013	2033	130,800	20	-	-	-	-	-	-	-
1351	CHEV EXPRESS 2500 4X4 VAN	2014	2029	55,600	15	-	-	-	-	-	-	55,600
1352	FORD F550 4X4 VERSALIFT MANLIFT	2014	2034	247,150	20	-	-	-	-	-	-	-
1450	GMC FLATBED 1 TON 4X4	2015	2035	120,000	20	-	-	-	-	-	-	-
1550	FREIGHTLINER TEREX MANLIFT	2016	2036	478,500	20	-	-	-	-	-	-	-
1650	Ford F450 flatbed	2017	2037	148,900	20	-	-	-	-	-	-	-
1650a	Hyd Winch with Capstan	2018	2038	22,200	20	-	-	-	-	-	-	-
4900	GMC SAVANA VAN	2004	2023	50,400	19	50,400	-	-	-	-	-	-
4901	TOYOTA FORKLIFT	2004	2024	68,200	20	-	68,200	-	-	-	-	-
4902	POLELIFT TRAILER	2004	2029	17,800	25	-	-	-	-	-	-	17,800
5427	SIDEWALK SWEEPER	2004	2029	-	25	-	-	-	-	-	-	-
5903	BOBCAT EXCAVATOR	2005	2025	60,500	20	-	-	60,500	-	-	-	-
5904	SMALL TRAILER	2005	2030	9,500	25	-	-	-	-	-	-	-
2150	FORD TRANSIT 250 VAN	2021	2041	69,800	20	-	-	-	-	-	-	-
1951	FORD F150 EXT CAB SHORT BED TRUCK	2019	2039	59,900	20	-	-	-	-	-	-	-
1750	FORD F450 SERVICE TRUCK	2017	2037	99,700	20	-	-	-	-	-	-	-
1753	FREIGHTLINER KNUCKLEBOOM TRUCK	2018	2038	346,300	20	-	-	-	-	-	-	-
	ELECTRIC ENGINEERS					-	-	-	-	-	-	-
133	CHEVY BLAZER	2004	2023	40,700	18	40,700	-	-	-	-	-	-
135	CHEVY BLAZER	2004	2023	92,400	19	40,700	-	-	-	-	-	-
TOTALS				**$ 3,686,295**		**$ 438,900**	**$ 68,200**	**$ 158,200**	**$ 28,400**	**$ 99,200**	**$ -**	**$ 130,500**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**263,863**	**(88,537)**	**35,463**	**69,263**	**233,663**	**327,463**	**521,563**
Contributions	75,000	190,500	190,500	190,500	190,500	190,500	190,500
Interest & Vehicle Sales	11,500	1,700	1,500	2,300	2,500	3,600	4,000
Reserves Used	(438,900)	(68,200)	(158,200)	(28,400)	(99,200)	-	(130,500)
Projected Year End Cash	**(88,537)**	**35,463**	**69,263**	**233,663**	**327,463**	**521,563**	**585,563**

WATER VEHICLE REPLACEMENT SCHEDULE
DIVISION - 7380

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Water Operations.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ 70,000	$ 100,000	$ 140,000	$ 140,000	$ 140,000	$ 140,000	$ 140,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	14,000	10,300	5,700	18,300	22,000	800	800
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 84,000**	**$ 110,300**	**$ 145,700**	**$ 158,300**	**$ 162,000**	**$ 140,800**	**$ 140,800**

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		170,900	53,400	-	319,700	507,900	-	98,500
TOTAL		**$ 170,900**	**$ 53,400**	**$ -**	**$ 319,700**	**$ 507,900**	**$ -**	**$ 98,500**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	16,300	16,300	16,300	16,300	16,300	16,300	16,300
Parts & Repair	4521	61,200	61,200	61,200	61,200	61,200	61,200	61,200
Equipment Rental	4533	25,000	25,000	25,000	25,000	25,000	25,000	25,000
TOTAL MAINTENANCE		**$ 102,500**	**$ 102,500**	**$ 102,500**	**$ 102,500**	**$ 102,500**	**$ 102,500**	**$ 102,500**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
360	GENERATOR TRAILER MOUNTED	2003	2033	80,800	30	-	-	-	-	-	-	-
1060	GENIE PERSONAL LIFT (WTP)	2010	2040	30,800	30	-	-	-	-	-	-	-
1260	FORD F450 SERVIE TRUCK w/winch	2012	2029	98,500	17	-	-	-	-	-	-	98,500
1460	GMC SIERRA 1500 4X4 PICK-UP	2014	2026	56,700	12	-	-	-	56,700	-	-	-
1756	JOHN DEERE BACKHOE LOADER	1991	2022	131,400	32	131,400	-	-	-	-	-	-
1761	APTECH GENERATOR	1997	2027	99,500	30	-	-	-	-	99,500	-	-
1960	AIR COMPRESSOR	2020	2045	46,800	25	-	-	-	-	-	-	-
2060	FREIGHTLINER 5 CY DUMP TRUCK	2022	2042	415,400	20	-	-	-	-	-	-	-
4329	YAMAHA	2004	2034	12,900	30	-	-	-	-	-	-	-
5704	FORD F550 DUMP	2006	2026	106,400	20	-	-	-	106,400	-	-	-
5705	FORD F550 SERVICE TRUCK	2006	2026	100,000	20	-	-	-	100,000	-	-	-
6322	GMC CANYON PICK-UP	2006	2026	56,600	20	-	-	-	56,600	-	-	-
6701	GMC CANYON PICK-UP	2006	2024	53,400	18	-	53,400	-	-	-	-	-
6702	GMC CANYON PICK-UP	2006	2022	39,500	15	39,500	-	-	-	-	-	-
1241	50% VACTOR TRUCK	2012	2027	700,000	15	-	-	-	-	350,000	-	-
7452	GMC SONOMA PICK-UP	2007	2027	58,400	20	-	-	-	-	58,400	-	-
1862	SMALL EQ TRAILER	2017	2047	5,500	30	-	-	-	-	-	-	-
1863	SMALL EQ GATOR	2018	2033	18,850	15	-	-	-	-	-	-	-
TOTALS				**$ 2,111,450**		**$ 170,900**	**$ 53,400**	**$ -**	**$ 319,700**	**$ 507,900**	**$ -**	**$ 98,500**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**442,249**	**355,349**	**412,249**	**557,949**	**396,549**	**50,649**	**191,449**
Contributions	70,000	100,000	140,000	140,000	140,000	140,000	140,000
Interest & Vehicle Sales	14,000	10,300	5,700	18,300	22,000	800	800
Reserves Used	(170,900)	(53,400)	-	(319,700)	(507,900)	-	(98,500)
Projected Year End Cash	**355,349**	**412,249**	**557,949**	**396,549**	**50,649**	**191,449**	**233,749**

WASTEWATER VEHICLE REPLACEMENT SCHEDULE
DIVISION - 7480

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Wastewater division.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ 60,000	$ 60,000	$ 70,000	$ 70,000	$ 70,000	$ 85,000	$ 85,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	2,200	2,800	2,400	3,000	3,200	3,600	4,400
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 62,200**	**$ 62,800**	**$ 72,400**	**$ 73,000**	**$ 73,200**	**$ 88,600**	**$ 89,400**

EXPENDITURES							
Other Equipment	-	-	-	-	-	-	
Replacement of Vehicles	109,000	-	248,000	-	58,400	34,800	-
TOTAL	**$ 109,000**	**$ -**	**$ 248,000**	**$ -**	**$ 58,400**	**$ 34,800**	**$ -**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	15,500	15,500	15,500	15,500	15,500	15,500	**15,500**
Parts & Repair	4521	53,400	53,400	53,400	53,400	53,400	53,400	**53,400**
Equipment Rental	4533	1,600	1,600	1,600	1,600	1,600	1,600	**1,600**
TOTAL MAINTENANCE		**$ 70,500**	**$ 70,500**	**$ 70,500**	**$ 70,500**	**$ 70,500**	**$ 70,500**	**$ 70,500**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
1077	GORMAN PUMP	2003	2028	34,800	25	-	-	-	-	-	34,800	-
1370	TAYLOR DUNN CART (WWTP)	2013	2038	23,000	25	-	-	-	-	-	-	-
1571	PETERBILT ROLLOFF TRUCK	2015	2035	412,700	20	-	-	-	-	-	-	-
1600	CUMMINS 60KW GENERATOR	2002	2032	80,000	30	-	-	-	-	-	-	-
1616	FORD F350 SERVICE TRUCK	2002	2022	156,700	20	68,300	-	-	-	-	-	-
1770	KW T880 VACTOR TRUCK	2017	2037	891,700	20	-	-	-	-	-	-	-
1970	FORD F350 PICKUP 4X2 UTILITY	2019	2039	104,800	20	-	-	-	-	-	-	-
4600	GMC SIERRA 1500 4X4 PICK-UP	2004	2023	92,400	19	40,700	-	-	-	-	-	-
5601	TV VAN W/ SPECIAL EQUIP	2005	2025	193,000	20	-	-	193,000	-	-	-	-
5601A	COMPUTER FOR TV VAN	2016	2025		20	-	-		-	-	-	-
5703	GMC SIERRA 1500 4X4 PICK-UP	2005	2025	55,000	20	-	-	55,000	-	-	-	-
6601	GODWIN HS100GP PUMP	2006	2036	68,000	30	-	-	-	-	-	-	-
7601	GMC CANYON CREW CAB 4X4 PICK-U	2007	2027	58,400	20	-	-	-	-	58,400	-	-
TOTALS				**$ 2,170,500**		**$ 109,000**	**$ -**	**$ 248,000**	**$ -**	**$ 58,400**	**$ 34,800**	**$ -**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**243,290**	**196,490**	**259,290**	**83,690**	**156,690**	**171,490**	**225,290**
Contributions	60,000	60,000	70,000	70,000	70,000	85,000	85,000
Interest & Vehicle Sales	2,200	2,800	2,400	3,000	3,200	3,600	4,400
Reserves Used	(109,000)	-	(248,000)	-	(58,400)	(34,800)	-
Projected Year End Cash	**196,490**	**259,290**	**83,690**	**156,690**	**171,490**	**225,290**	**314,690**

SOLID WASTE VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 7580, 7538

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Solid Waste Collections and Transfer Station Departments.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ 255,000	$ 280,000	$ 315,000	$ 350,000	$ 395,000	$ 390,000	$ 410,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	4,500	3,600	6,500	3,100	6,800	6,500	10,400
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 259,500**	**$ 283,600**	**$ 321,500**	**$ 353,100**	**$ 401,800**	**$ 396,500**	**$ 420,400**

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		477,900	386,900	379,400	431,600	444,500	-	511,400
TOTAL		**$ 477,900**	**$ 386,900**	**$ 379,400**	**$ 431,600**	**$ 444,500**	**$ -**	**$ 511,400**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	61,700	61,700	61,700	61,700	61,700	61,700	61,700
Parts & Repair	4521	225,800	225,800	225,800	225,800	225,800	225,800	225,800
Equipment Rental	4533	4,000	4,000	4,000	4,000	4,000	4,000	4,000
TOTAL MAINTENANCE		**$ 291,500**	**$ 291,500**	**$ 291,500**	**$ 291,500**	**$ 291,500**	**$ 291,500**	**$ 291,500**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
1480	CAT LOADER	2006	2029	511,400	23	-	-	-		-	-	511,400
2080	PETER LABRIE SIDE LOAD TRUCK	2022	2032	372,300	6	-	-		-	-	-	-
2081	FORD ESCAPE HYBRID	2021	2041	39,300	20	-	-	-	-	-	-	-
1080	GARBAGE TRUCK	2010	2024	386,900	14		386,900	-	-	-	-	-
1081	GARBAGE TRUCK	2010	2022	359,064	10	-	-	-	-	-	-	-
1580	GARBAGE TRUCK	2015	2025	379,400	10	-		379,400	-	-	-	-
1945	FORD RANGER PICKUP	2002	2022	96,500	20	42,100	-	-	-	-	-	-
1980	FORD F250 PICKUP	2019	2034	67,200	15	-	-	-	-	-	-	-
1680	PETERBILT GARBAGE	2016	2026	431,600	10	-	-	-	431,600	-	-	-
1880	KUBOTA ATV	2018	2038	28,300	20	-	-	-	-	-	-	-
1881	PETERBUILT TRUCK	2018	2027	444,500	9	-	-	-	-	444,500	-	-
2185	KUBOTA ZD1211 MOWER	2021	2041	29,300	20	-	-	-	-	-	-	-
2183	DOPPSTADT SM720 TROMMEL SCREEN	2021	2041	679,300	20	-	-	-	-	-	-	-
1603	FREIGHTLINER 10YD DUMP TRUCK	2021	2022	-	19	-	-	-	-	-	-	-
2184	ECOSTACK 5032W CONVEYOR	2021	2041	58,000	20	32,100	-	-	-	-	-	-
2180	CAT 950 WHEEL LOADER	2021	2037	647,800	16	403,700	-	-	-	-	-	-
2181	CAT 930 WHEEL LOADER	2021	2036	422,400	15	-	-	-	-	-	-	-
2182	CAT 313 EXCAVATOR	2021	2036	403,500	15	-	-	-	-	-	-	-
2186	PETERBILT LABRIE/WITKE FRONT LO	2021	2031	483,300	10	-	-	-	-	-	-	-
2187	PETER LABRIE SIDE LOAD TRUCK	2021	2031	500,300	10	-	-	-	-	-	-	-
2188	PETER LABRIE SIDE LOAD TRUCK	2021	2032	515,350	11	-	-	-	-	-	-	-
2189	FREIGHTLINE HOOK TRUCK	2021	2041	415,400	20	-	-	-	-	-	-	-
2283	OTTAWA YARD GOAT	2000	2030	163,100	30	-	-	-	-	-	-	-
TOTALS				**$ 7,434,214**		**$ 477,900**	**$ 386,900**	**$ 379,400**	**$ 431,600**	**$ 444,500**	**$ -**	**$ 511,400**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**939,899**	**721,499**	**618,199**	**560,299**	**481,799**	**439,099**	**835,599**
Contributions	255,000	280,000	315,000	350,000	395,000	390,000	410,000
Interest & Vehicle Sales	4,500	3,600	6,500	3,100	6,800	6,500	10,400
Reserves Used	(477,900)	(386,900)	(379,400)	(431,600)	(444,500)	-	(511,400)
Projected Year End Cash	**721,499**	**618,199**	**560,299**	**481,799**	**439,099**	**835,599**	**744,599**

STORMWATER VEHICLE REPLACEMENT SCHEDULE DIVISION - 7412

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Stormwater Operations.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ 100,000	$ 515,000	$ 165,000	$ 165,000	$ 165,000	$ 150,000	$ 150,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,100	2,400	1,300	1,800	100	1,100	2,200
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 101,100**	**$ 517,400**	**$ 166,300**	**$ 166,800**	**$ 165,100**	**$ 151,100**	**$ 152,200**

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		384,500	310,000	260,300	94,000	350,000	-	-
TOTAL		**$ 384,500**	**$ 310,000**	**$ 260,300**	**$ 94,000**	**$ 350,000**	**$ -**	**$ -**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	22,800	22,800	22,800	22,800	22,800	22,800	22,800
Parts & Repair	4521	95,600	95,600	95,600	95,600	95,600	95,600	95,600
Equipment Rental	4533	4,900	4,900	4,900	4,900	4,900	4,900	4,900
TOTAL MAINTENANCE		**$ 123,300**	**$ 123,300**	**$ 123,300**	**$ 123,300**	**$ 123,300**	**$ 123,300**	**$ 123,300**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
5504	FORD F450 - BOX	2006	2026	94,000	20	-	-	-	94,000	-	-	-
1240	FREIGHTLINER AIR SWEEPER	2012	2022	375,000	10	375,000	-	-	-	-	-	-
1241	VACTOR TRUCK 50%	2012	2027	700,000	15	-	-	-	-	350,000	-	-
1540	ELGIN SWEEPER	2015	2025	260,300	10	-	-	260,300	-	-	-	-
1762	WELLS SMALL TRAILER	1995	2030	15,000	35	-	-		-	-	-	-
NEW	HERB SPRAY ATTACH.	2018	2022	9,500	10	9,500	-	-	-	-	-	-
NEW	Ford F150 4x4 Pickup	2024	2044	60,000	20	-	60,000	-	-	-	-	-
NEW	Perm Pave Cleaner	2024	2039	250,000	15	-	250,000	-	-	-	-	-
TOTALS				**$ 1,763,800**		**$ 384,500**	**$ 310,000**	**$ 260,300**	**$ 94,000**	**$ 350,000**	**$ -**	**$ -**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**353,260**	**69,860**	**277,260**	**168,260**	**226,060**	**26,160**	**147,260**
Contributions	100,000	515,000	150,000	150,000	150,000	120,000	120,000
Interest & Vehicle Sales	1,100	2,400	1,300	1,800	100	1,100	2,200
Reserves Used	(384,500)	(310,000)	(260,300)	(94,000)	(350,000)	-	-
Projected Year End Cash	**69,860**	**277,260**	**168,260**	**226,060**	**26,160**	**147,260**	**269,460**

CONSERVATION VEHICLE REPLACEMENT SCHEDULE DIVISION - 7121

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Conservation Fund.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ 3,500	$ 4,600	$ 5,200	$ 5,800	$ 5,300	$ 4,800	$ 4,300
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	300	400	400	2,500	100	100	200
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 3,800**	**$ 5,000**	**$ 5,600**	**$ 8,300**	**$ 5,400**	**$ 4,900**	**$ 4,500**

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	46,400	-	-	-
TOTAL		**$ -**	**$ -**	**$ -**	**$ 46,400**	**$ -**	**$ -**	**$ -**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	500	500	500	500	500	500	500
Parts & Repair	4521	2,600	2,600	2,600	2,600	2,600	2,600	2,600
Equipment Rental	4533	100	100	100	100	100	100	100
TOTAL MAINTENANCE		**$ 3,200**	**$ 3,200**	**$ 3,200**	**$ 3,200**	**$ 3,200**	**$ 3,200**	**$ 3,200**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
6301	GMC SAVANA Van	2006	2026	46,400	20	-	-	-	46,400	-	-	-
TOTALS				**$ 46,400**		**$ -**	**$ -**	**$ -**	**$ 46,400**	**$ -**	**$ -**	**$ -**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**26,864**	**30,664**	**35,664**	**41,264**	**3,164**	**8,564**	**13,464**
Contributions	3,500	4,600	5,200	5,800	5,300	4,800	4,300
Interest & Vehicle Sales	300	400	400	2,500	100	100	200
Reserves Used	-	-	-	(46,400)	-	-	-
Projected Year End Cash	**30,664**	**35,664**	**41,264**	**3,164**	**8,564**	**13,464**	**17,964**

EQUIPMENT SERVICES VEHICLE REPLACEMENT SCHEDULE DIVISION - 7630

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for Equipment Services.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities Rental of vehicles	4533	$ 46,400	$ 46,400	$ 46,400	$ 46,400	$ 46,400	$ 46,400	$ 46,400
General Fund Rental of vehicles	4533	70,900	70,900	70,900	70,900	70,900	70,900	70,900
Interest & Vehicles Sales	395-xxxx	13,200	9,200	16,300	2,200	1,000	1,300	2,400
TOTAL FUNDING SOURCES		**$ 130,500**	**$ 126,500**	**$ 133,600**	**$ 119,500**	**$ 118,300**	**$ 118,600**	**$ 119,700**

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		241,400	102,800	240,000	427,400	-	-	36,300
TOTAL		**$ 241,400**	**$ 102,800**	**$ 240,000**	**$ 427,400**	**$ -**	**$ -**	**$ 36,300**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	7,300	7,300	7,300	7,300	7,300	7,300	7,300
Parts & Repair	4521	38,900	38,900	38,900	38,900	38,900	38,900	38,900
Equipment Rental	4533	500	500	500	500	500	500	500
TOTAL MAINTENANCE		**$ 46,700**	**$ 46,700**	**$ 46,700**	**$ 46,700**	**$ 46,700**	**$ 46,700**	**$ 46,700**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
NEW	Corp Fuel Pump and Fuel Line	2018	2038	36,900	20	-	-	-	-	-	-	-
15	GMC S10 4x4 Pick-up	1995	2024	41,500	29	-	41,500	-	-	-	-	-
1246	DODGE 1 TON w/SER BODY	1999	2026	92,900	20	-	-	-	92,900	-	-	-
2190	HYSTER FORK LIFT H60FT	2021	2051	79,400	30	34,700	-	-	-	-	-	-
1248	LINCOLN/WELDER	1994	2024	30,000	30	-	30,000	-	-	-	-	-
1490	HYUNDAI SEDAN	2014	2024	31,300	10	-	31,300	-	-		-	-
1569	CATERPILLAR WHL LOADER	1988	2022	271,100	20	30,000	-	-	-	-	-	-
1570	CASE LOADER BACKHOE	1995	2025	240,000	30	-		240,000	-	-	-	-
1581	10 YD DUMP TRUCK	1995	2025	334,500	30	-	-	-	334,500	-	-	-
1891	HYUNDAI SONATA HYBRID	2019	2029	36,300	10	-	-	-	-	-	-	**36,300**
2191	FORD ESCAPE SUV	2021	2036	44,800	15	-	-	-	-	-	-	-
7421	SELMA TRAILER	2007	2032	12,300	25	-	-	-	-	-	-	-
1690	GENERATOR	2016	2041	67,300	25	-	-	-	-	-	-	-
2291	FORD F550 SERVICE TRUCK	2022	2022	176,700	20	176,700	-	-	-	-	-	-
2290	QT LUBE SKID	2022	2022	47,417	20	-	-	-	-	-	-	-
	Miller Dimension 452 Welder	2018	2033	13,700	15	-	-	-	-	-	-	-
TOTALS				**$ 1,556,117**		**$ 241,400**	**$ 102,800**	**$ 240,000**	**$ 427,400**	**$ -**	**$ -**	**$ 36,300**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**503,183**	**392,283**	**415,983**	**309,583**	**1,683**	**119,983**	**238,583**
Rental income	117,300	117,300	117,300	117,300	117,300	117,300	117,300
Interest & Vehicle Sales	13,200	9,200	16,300	2,200	1,000	1,300	2,400
Reserves Used	(241,400)	(102,800)	(240,000)	(427,400)	-	-	(36,300)
Projected Year End Cash	**392,283**	**415,983**	**309,583**	**1,683**	**119,983**	**238,583**	**321,983**

INFORMATION TECHNOLOGY VEHICLE REPLACEMENT SCHEDULE DIVISION - 2081

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for Information Technologies.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	300	300	300	300	400	400	400
Internal Service Funds	4520	1,000	1,000	1,000	1,000	1,000	1,000	1,000
TOTAL FUNDING SOURCES		**$ 1,300**	**$ 1,300**	**$ 1,300**	**$ 1,300**	**$ 1,400**	**$ 1,400**	**$ 1,400**

EXPENDITURES							
Other Equipment	-	-	-	-	-	-	-
Replacement of Vehicles	-	-	-	-	-	-	-
TOTAL	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	200	200	200	200	200	200	200
Parts & Repair	4521	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Equipment Rental	4533	600	600	600	600	600	600	600
TOTAL MAINTENANCE		**$ 2,300**	**$ 2,300**	**$ 2,300**	**$ 2,300**	**$ 2,300**	**$ 2,300**	**$ 2,300**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
8101	HYUNDAI VAN	2007	2032	43,100	25	-	-	-	-	-	-	-
				$ 43,100		**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
BEGINNING CASH	**27,888**	**29,188**	**30,488**	**31,788**	**33,088**	**34,488**	**35,888**
Contributions	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Interest & Vehicle Sales	300	300	300	300	400	400	400
Reserves Used	-	-	-	-	-	-	-
Projected Year End Cash	**29,188**	**30,488**	**31,788**	**33,088**	**34,488**	**35,888**	**37,288**

STREETS VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 102-7230

ABOUT THE PROJECT:
Replacement schedule and anticipated operating costs for the Streets operations vehicles.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utilities	4520	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General Fund	4520	100,000	105,000	110,000	115,000	120,000	125,000	125,000
Interest & Vehicles Sales	4520	13,900	7,300	1,700	6,100	1,200	1,550	2,900
Internal Service Funds	4520	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		**$ 113,900**	**$ 112,300**	**$ 111,700**	**$ 121,100**	**$ 121,200**	**$ 126,550**	**$ 127,900**

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		255,300	339,000	153,100	222,600	104,500	101,700	20,000
TOTAL		**$ 255,300**	**$ 339,000**	**$ 153,100**	**$ 222,600**	**$ 104,500**	**$ 101,700**	**$ 20,000**

MAINTENANCE	EXPENSE OBJECT	2023	2024	2025	2026	2027	2028	2029
Fuel	3210	29,600	29,600	29,600	29,600	29,600	29,600	29,600
Parts & Repair	4521	149,200	149,200	149,200	149,200	149,200	149,200	149,200
Equipment Rental	4533	27,000	27,000	27,000	27,000	27,000	27,000	27,000
TOTAL MAINTENANCE		**$ 205,800**	**$ 205,800**	**$ 205,800**	**$ 205,800**	**$ 205,800**	**$ 205,800**	**$ 205,800**

Maintenance items can vary substantially based on the cost of fuel and/or parts.

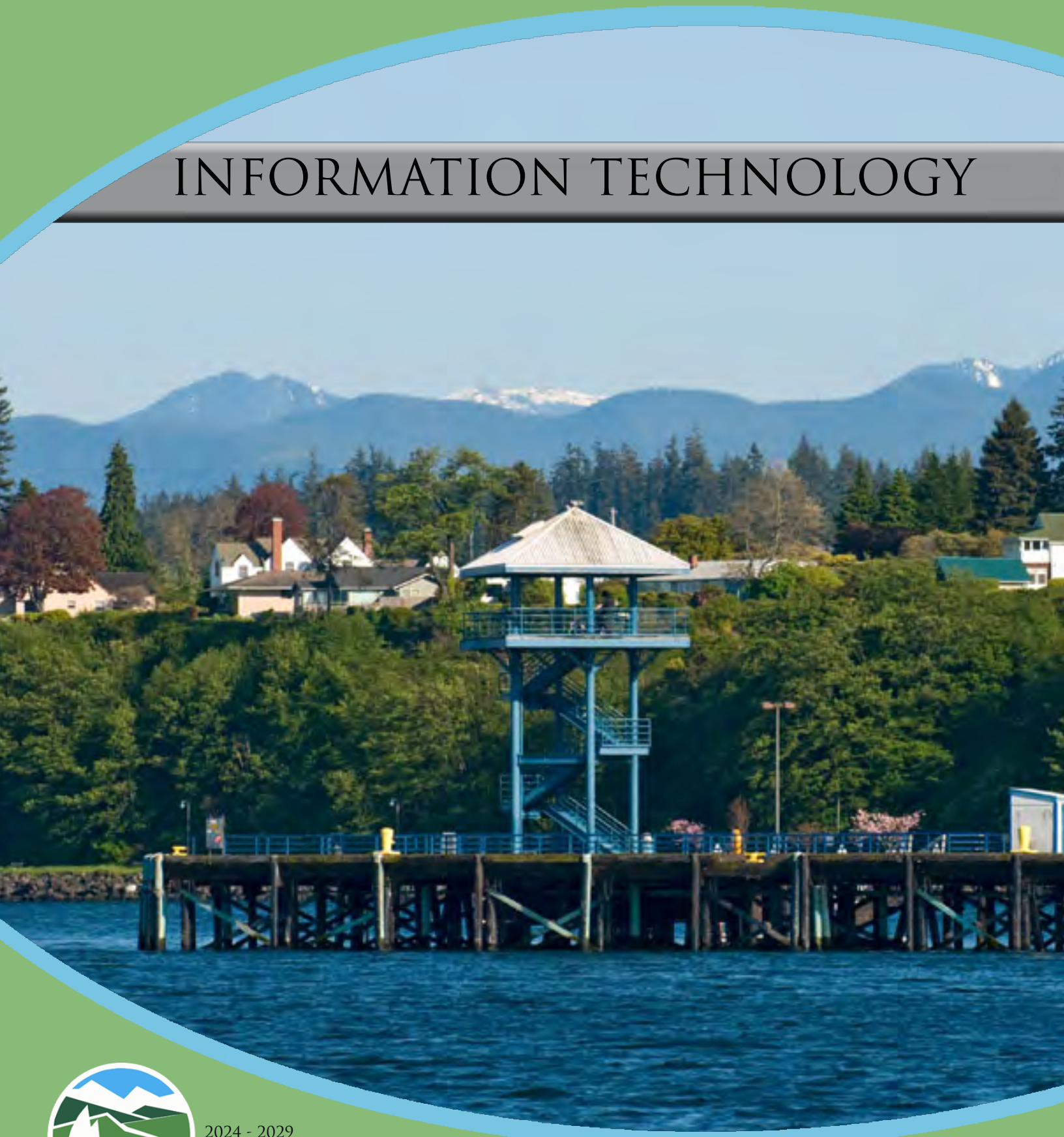
#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2023	2024	2025	2026	2027	2028	2029
1040	HYDRO SEEDER	2010	2030	20,500	20	-	-		-	-	-	-
1041	WATER TANK TRAILER	2000	2030	14,600	30	-	-	-	-	-	-	-
1042	TRAFFIC BOARD	2010	2030	26,800	20	-	-	-	-	-	-	-
1242	EXCAVATOR TRAILER	2012	2032	15,000	20	-	-	-	-	-	-	-
1243	EXCAVATOR	2012	2032	203,400	20	-	-	-	-	-	-	-
1340	FORD F450 FLATBED	2013	2033	78,200	20	-	-	-	-	-	-	-
1341	CRACK SEALER	2013	2038	181,600	25	-	-	-	-	-	-	-
1440	JOHN DEERE GRADER 14'	2008	2033	275,000	25	-	-	-	-	-	-	-
1441	BITIMOUS APPLICATOR	2014	2034	42,000	20	-	-	-	-	-	-	-
1501	STREET FLUSHER -	1992	2025	355,300	25	-	-	153,100	-	-	-	-
2140	KUBOTA M6S-111 BOOM MOWER	2021	2041	300,000	20	-	-	-	-	-	-	-
1568	FREIGHTLINER W/PATCH BOX	2001	2022	255,300	20	255,300	-	-	-	-	-	-
1576	LINCOLN TILTBED TRAILER	1994	2029	20,000	35	-		-	-	-	-	20,000
1940	FREIGHTLINE 5-8 YD DUMP	2021	2041	406,600	20	-	-	-	-	-	-	-
1597	BOMAG ASPHALT ROLLER	1993	2026	30,000	33		-	-	30,000	-	-	-
1598	INGERSOL RAND COMPRESSOR	1993	2033	32,800	40		-	-	-	-	-	-
1599	GARLAND TRAILER	1985	2030	7,500	45	-	-		-	-	-	-
2040	FREIGHTLINER 10YD DUMP TRUCK	2021	2040	400,000	19	-	-	-	-	-	-	-
1790	INTERNATIONAL 5YD DUMP	2004	2024	339,000	20	-	339,000	-	-	-	-	-
4701	GMC SIERRA 3500 SERVICE TRUCK	2004	2022	81,327	16	-	-	-	-	-	-	-
5505	ASPHALT HEATER - will surplus	2005	2015	-	10	-	-	-	-	-	-	-
6501	GMC CANYON PU 4X4	2006	2026	43,200	20	-	-	-	43,200	-	-	-
6502	FORD F550 DUMP TRUCK	2006	2026	106,300	20	-	-	-	106,300	-	-	-
2243	MESSAGE BOARD (7505)	2022	2047	25,000	25	-	-	-	-	-	-	-
6504	PUCKET ASPHALT PAVER	2006	2026	43,100	20	-	-	-	43,100	-	-	-
7501	MONROE SAND SPREADER	2007	2027	-	10	-	-	-	-		-	-
7503	FORD F450 BOX TRUCK	2007	2027	104,500	20	-	-	-	-	104,500	-	-
7505	FORD F550 SIGN TRUCK	2008	2028	101,700	20	-	-	-	-	-	101,700	-
8501	PF DECKOVER TILT TRAILER	2008	2033	9,000	25	-	-	-	-	-	-	-
2041	FORD F550 SERVICE TRUCK	2022	2042	154,840	20							
1640	TRAFFIC CRASH ATTENUATOR	2016	2036	54,200	20	-	-	-	-	-	-	-
1740	CONCRETE CUTTING TRAILER	2017	2047	5,000	30	-	-	-	-	-	-	-
2142	MAGNUM LIGHT TOWER	2015	2045	8,420	30	-	-	-	-	-	-	-
TOTALS				**$ 3,740,187**		**$ 255,300**	**$ 339,000**	**$ 153,100**	**$ 222,600**	**$ 104,500**	**$ 101,700**	**$ 20,000**

CASH FLOW	2023	2024	2025	2026	2027	2028	2029
Cash Balance	**525,248**	**383,848**	**157,148**	**115,748**	**14,248**	**30,948**	**55,798**
Contributions	100,000	105,000	110,000	115,000	120,000	125,000	125,000
Interest & Sales	13,900	7,300	1,700	6,100	1,200	1,550	2,900
Reserves Used	(255,300)	(339,000)	(153,100)	(222,600)	(104,500)	(101,700)	(20,000)
Projected Year End Cash	**383,848**	**157,148**	**115,748**	**14,248**	**30,948**	**55,798**	**163,698**

CITY OF PORT ANGELES

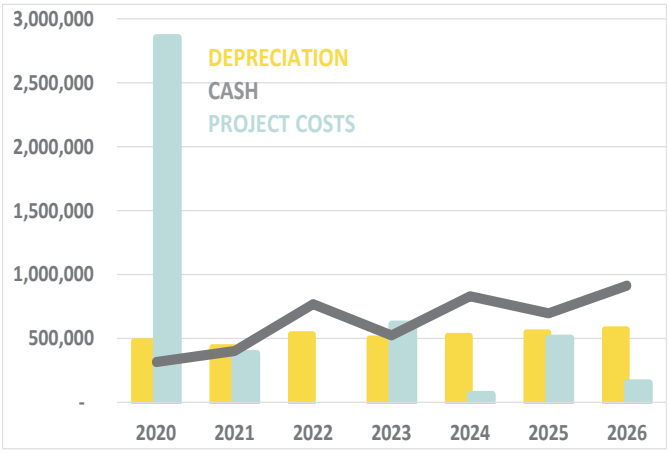
2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

INFORMATION TECHNOLOGY



INFORMATION TECHNOLOGY PROJECTS

CFP YEAR: 2024 - 2029
MANAGER: TODD WEEKS
CONTACT: TWEEKS@CITYOFPA.US
PHONE: 360-417-4512



INFORMATION TECHNOLOGIES GOALS AND OBJECTIVES:

The goal of the Information Technologies (IT) capital plan is to provide computer, communication, and audio visual systems to allow for growth and backup for future needs. The IT group maintains both hardware and software for governmental and utility services. This fund is an internal service fund and provides services citywide.

FUNDING SOURCES	PRIOR YEARS	Budget 2023	CAPITAL FACILITY PLAN 2024	2025	2026	2027	2028	2029
Utilities Reserves	$ 880,600	$ 131,500	$ 90,000	$ 223,200	$ 222,800	$ 206,000	$ 72,800	$ 72,800
Grants	133,900	-	100,000	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	1,245,500	62,600	33,500	80,300	27,400	74,200	27,400	27,400
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	675,000	397,400	-	-	-	-	-	-
TOTAL	**$ 2,935,000**	**$ 591,500**	**$ 223,500**	**$ 303,500**	**$ 250,200**	**$ 280,200**	**$ 100,200**	**$ 100,200**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	65,000	16,000	-	-	30,000	-	-	-
Construction	409,800	2,834,400	380,000	-	580,000	60,000	500,000	150,000
TOTAL	**$ 474,800**	**$ 2,850,400**	**$ 380,000**	**$ -**	**$ 610,000**	**$ 60,000**	**$ 500,000**	**$ 150,000**

OTHER OPERTING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor		528,667	17,334	20,000	12,333	2,000	15,666	-
Supplies								
Communications								
Depreciation		-	117,900	282,100	286,400	387,900	417,900	480,800
Other		-	6,000	6,000	6,000	6,000	6,000	6,000
TOTAL OTHER COSTS	**$ -**	**$ 528,667**	**$ 141,234**	**$ 308,100**	**$ 304,733**	**$ 395,900**	**$ 439,566**	**$ 486,800**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

IT PROJECT LIST & CASH FLOW

Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	Budget 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
IT0714	Data Backup Systems Replacement	R	422,200	212,200	-	-	-	-	-	210,000	-
IT0514	Data Storage Array Systems	R	364,000	-	214,000	-	-	-	-	-	150,000
IT0319	Network Refresh	R	280,000	-	-	-	-	280,000	-	-	-
IT0618	Virtual Server Replacements	R	600,000	150,000	-	150,000	-	150,000	-	150,000	-
IT1018	UPS Replacement - Disaster Recovery Data Center	A	120,000	-	60,000	-	-	-	60,000	-	-
IT0214	Records Management System	A	104,100	14,100	30,000	30,000	-	30,000	-	-	-
IT0416	Cemetery Software	A	30,000	-	30,000	-	-	-	-	-	-
IT0119	Wireless Bridge	A	60,000	24,000	36,000	-	-	-	-	-	-
IT0716	ERP Road Map & Replacement	A	2,454,900	74,500	2,380,400	-	-	-	-	-	-
IT0320	ESRI Migration to Arc Pro	A	100,000	-	100,000	-	-	-	-	-	-
IT0123	Intrusion Detection and Prevention	1	200,000	-	-	200,000	-	-	-	-	-
IT0223	Increase Primary Backup Storage	2	140,000	-	-	-	-	-	-	140,000	-
IT0323	SCADA Server Replacements	3	150,000	-	-	-	-	150,000	-	-	-
IT0423	Building Access Control and Cameras	UF	1,200,000	-	-	-	-	-	-	-	-
IT0523	City Owned Fiber Optics	UF	1,500,000	-	-	-	-	-	-	-	-
Total			**7,725,200**	**474,800**	**2,850,400**	**380,000**	**-**	**610,000**	**60,000**	**500,000**	**150,000**

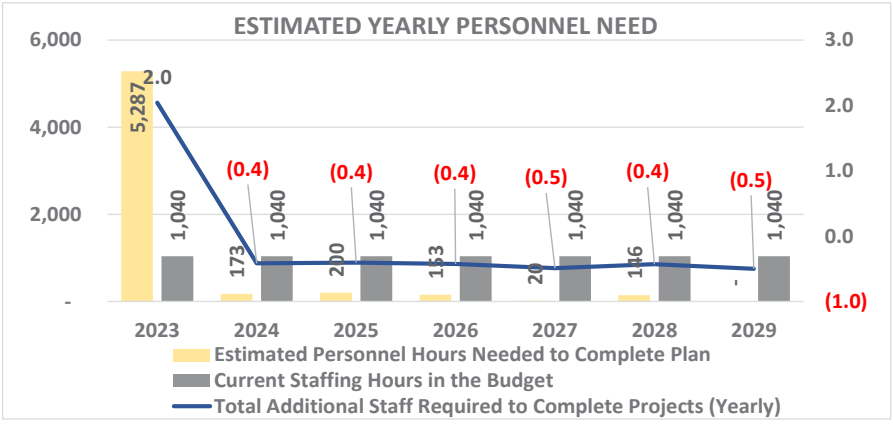
Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	2,879,365	315,265	401,565	767,865	524,165	830,465	696,765
Funding sources:							
Utilities Reserves	194,000	246,500	246,500	246,500	246,500	246,500	246,500
Grants	-	100,000	-	-	-	-	-
General Fund	62,500	90,000	90,000	90,000	90,000	90,000	90,000
Interest/Donations	29,800	29,800	29,800	29,800	29,800	29,800	29,800
Other Funds	-	-	-	-	-	-	-
Project Costs	(2,850,400)	(380,000)	-	(610,000)	(60,000)	(500,000)	(150,000)
Ending Cash Balance	**315,265**	**401,565**	**767,865**	**524,165**	**830,465**	**696,765**	**913,065**

Depreciation	**476,382**	**429,763**	**531,160**	**498,655**	**518,168**	**546,189**	**569,163**
Depreciation to Cash Ratio	**0.66**	**0.93**	**1.45**	**1.05**	**1.60**	**1.28**	**1.60**

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	5,287	173	200	153	20	146	-
Current Staffing Hours in the Budget	1,040	1,040	1,040	1,040	1,040	1,040	1,040
Difference	*4,247*	*(867)*	*(840)*	*(887)*	*(1,020)*	*(894)*	*(1,040)*
Total Additional Staff Required to Complete Projects (Yearly)	**2.0**	**(0.4)**	**(0.4)**	**(0.4)**	**(0.5)**	**(0.4)**	**(0.5)**

The current capital plan would not require any additional FTE's to complete when averaged; however, in years when large projects are included additional staffing will be needed for completion.



Data Backup Systems Replacement IT0714

Project Status: Revolving
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 7 Years

About the Project:

Replacement of the City's primary, secondary and remote data backup systems and their components.

Justification:

The primary and secondary data backup systems and their components were originally installed in 2012. In 2014, the primary system was completely updated. With this upgrade we were able to reallocate the prior primary system for the eastern Washington location repository. Since it would be a repository with minimal processing and duplication requirements, it solved two different issues. This project replacement plan is to replace/upgrade the systems hardware and software to newer platforms and versions while maintaining all database integrity and archival backup storage for all three sites. Due to the heavy daily use of tapeless backup systems, and its associated hardware, the life cycle is 5-6 years. The current system provides backup to approximately 150+ different systems and types on various schedules.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 199,800	$ 22,200	$ 22,200	$ 22,200	$ 22,200	$ 22,200	$ 22,200	$ 22,200
Grants								
Bonds								
General Fund	70,200	7,800	7,800	7,800	7,800	7,800	7,800	7,800
Donations/Insurance Reim.								
Other								
TOTAL	**$ 270,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	212,200					210,000		
TOTAL	**$ 212,200**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 210,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $422,200 **Estimated Total Design Cost: N/A**

Estimated Personnel Hours for Project: 40 **Estimated Personnel Costs for Project: $4,000**

Data Storage Array Systems IT0514

Project Status: Revolving
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd Weeks
Estimated Life: 7 Years

ABOUT THE PROJECT:

Replacement of City multiple network data storage arrays and associated hardware interfaces due to reaching end-of-life equipment threshold.

JUSTIFICATION:

The current SAN network data storage array systems with their associated switches and communication hardware were replaced in 2011. The data mirroring part of the project was installed in late 2011 at the City's redundant site. All server hard drive primary storage resides on these storage arrays due to the multiple layers of redundancy and fail over capabilities. Life expectancy of 24/7 critical primary storage is 5-8 years dependent upon the environment and factors affecting units, such as load and I/O accesses. Due to current environmental issues, speed performance and hard drive failures, the recommendation for replacement is 6 years. Replacement will consist of same redundancy capabilities and multi-layer fail-over requirements as well as faster drives and expansion to meet further growth.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 111,000	$ 16,000	$ 17,000	$ 17,000	$ 17,000	$ 17,000	$ 17,000	$ 17,000
Grants								
Bonds								
General Fund	54,000	7,500	8,000	8,000	8,000	8,000	8,000	8,000
Donations/Insurance Reim.								
Other								
TOTAL	**$ 165,000**	**$ 23,500**	**$ 25,000**	**$ 25,000**	**$ 25,000**	**$ 25,000**	**$ 25,000**	**$ 25,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		214,000					150,000	
TOTAL	**$ 0**	**$ 214,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $364,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 40 **Estimated Personnel Costs for Project: $4,000**

Network Refresh IT0319

Project Status: Revolving
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 6 Years

ABOUT THE PROJECT:

The City will evaluate network equipment; such as Cisco Meraki switches, routers and firewalls that have a 5 to 7-year lifespan, and must be replaced to keep the City's network secure and functional. A business process analysis will be performed before software selection to ensure all needs are met. After 2025, the next upgrade will be in 2030.

JUSTIFICATION:

If equipment does not meet standards for security programming the City's network will be vulnerable to cyber attacks.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 103,600	$ 51,800	$ 51,800	$ 34,600	$ 34,600	$ 34,600	$ 34,600	$ 34,600
Grants								
Bonds								
General Fund	36,400	18,200	18,200	12,100	12,100	12,100	12,100	12,100
Donations/Insurance Reim.								
Other								
TOTAL	**$ 140,000**	**$ 70,000**	**$ 70,000**	**$ 46,700**	**$ 46,700**	**$ 46,700**	**$ 46,700**	**$ 46,700**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				280,000				
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 280,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $280,000 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 200 **Estimated Personnel Costs for Project: $20,000**

Virtual Server Replacements IT0618

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 7 Years

ABOUT THE PROJECT:

The replacement of physical servers for stand alone applications or multi-server virtual clusters will be staggered with two to three servers replaced every two years based on a life expectancy of 5-7 years. The servers also require a yearly maintenance cost of $6,000.

JUSTIFICATION:

Creation of a scheduled replacement plan for SQL server replacements based on a 5 to 7-year cycle will create efficiencies and security. Critical servers will be based on a 5-year replacement plan. Critical server examples are virtual cluster servers due to their utilization and performance needs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 111,000		$ 111,000		$ 111,000		$ 111,000	
Grants								
Bonds								
General Fund	39,000		39,000		39,000		39,000	
Donations/Insurance Reim.								
Other								
TOTAL	**$ 150,000**	**$ 0**	**$ 150,000**	**$ 0**	**$ 150,000**	**$ 0**	**$ 150,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	149,900		150,000		150,000		150,000	
TOTAL	**$ 149,900**	**$ 0**	**$ 150,000**	**$ 0**	**$ 150,000**	**$ 0**	**$ 150,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $600,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 200 **Estimated Personnel Costs for Project: $20,000**

UPS Replacement/Disaster Recovery Center IT1018

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 5 Years

ABOUT THE PROJECT:

Replacement of current uninterrupted power supply/conditioner/battery backup for critical servers and systems residing at current disaster redundancy data center located at the Corporation Yard. This will be replaced when the Light Ops building is being completed.

JUSTIFICATION:

The current residing UPS is over 10 years old and has exceeded its life cycle expectancy. The current system supports power needs and emergency power needs for critical redundancy systems for city resources. Unplanned failure of equipment would be detrimental to both the systems it supports and the data they retain that may become unrecoverable.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 44,400					$ 44,400		
Grants								
Bonds								
General Fund	15,600					15,600		
Donations/Insurance Reim.								
Other								
TOTAL	**$ 60,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 60,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		60,000				60,000		
TOTAL	**$ 0**	**$ 60,000**	**$ 0**	**$ 0**	**$ 0**	**$ 60,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $60,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 40 **Estimated Personnel Costs for Project: $4,000**

Records Management System IT0214

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks/Kari Martinez-Bailey
Estimated Life: 7 Years

ABOUT THE PROJECT:

Project involves a citywide evaluation of type and quantity of electronic and physical records and developmentation of a plan to recatalog and implement records through hardware, software, conversion and training into the City's Records Management System. The project plan is to have an outside consultant familiar with our Records Management System to do a City-Wide data survey of types and quantities retained currently and provide a multi-year project plan. This plan would identify what software modules, user licenses or hardware are required. This plan would also estimate the cost to train staff. The expectation is to have all staff using recommended records retention guidelines, reduce redundancy, and ensure compliance with Washington State requirements (RCW). The rollout plan by year is: 1) Finance plus tracking software; 2) Community Development; 3) Public Works; 4) All other departments.

JUSTIFICATION:

Currently there is no cohesive plan on what type and quantity of records are being retained by the City's departments. Due to this issue, there is no quick or precise way to search or regulate which records have retention value, what that retention is or if they have met the Washington State RCW requirements for end-of-life and should be purged.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 44,800		$ 22,200		$ 22,200			
Grants								
Bonds								
General Fund	15,700		7,800		7,800			
Donations/Insurance Reim.								
Other								
TOTAL	**$ 60,500**	**$ 0**	**$ 30,000**	**$ 0**	**$ 30,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	14,100	30,000	30,000		30,000			
TOTAL	**$ 14,100**	**$ 30,000**	**$ 30,000**	**$ 0**	**$ 30,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $104,100 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 20 **Estimated Personnel Costs for Project: $2,000**

Cemetery Software IT0416

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Corey Delikat
Estimated Life: 7 Years

About the Project:

Evaluation of off the shelf products for cemetery operations, with potential purchase of both hardware and software, with the possibility of a cloud-based solution to better meet the City's requirements. The solution should include tracking administration, mapping, records management, including deposits and prepaid items. This is not a shared cost with utilities.

*Business Process Analysis Required before purchasing software.

Justification:

Efficiency for staff and customers.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other	30,000							
TOTAL	**$ 30,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		30,000						
TOTAL	**$ 0**	**$ 30,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $30,000 **Estimated Total Design Cost: N/A**

Estimated Personnel Hours for Project: 20 **Estimated Personnel Costs for Project: $2,000**

Wireless Bridge IT0119

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 7 Years

ABOUT THE PROJECT:

Utilize wireless microwave technology to create a redundant wireless link from City Hall to the Fire Hall to E Street Reservoir to the Corp Yard. Three `pairs' of line-of-sight wireless transmission and reception devices tied into the City Network will create a redundant path to our Emergency Operations Center (EOC) and Disaster Recovery sites and provide for communications in the case of Wave fiber failure.

JUSTIFICATION:

Critical for business continuity and disaster recovery when faced with a natural or national emergency event that disables wired (fiber) communications.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 44,300							
Grants								
Bonds								
General Fund	15,700							
Donations/Insurance Reim.								
Other								
TOTAL	**$ 60,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	24,000	36,000						
TOTAL	**$ 24,000**	**$ 36,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $60,000 **Estimated Total Design Cost: $**

Estimated Personnel Hours for Project: **Estimated Personnel Costs for Project: $**

ERP Road Map and Replacement IT0716

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Sarina Carrizosa
Estimated Life: 10 Years

ABOUT THE PROJECT:

Complete a formal evaluation of the current Enterprise system to assess how the system is meeting the City's needs. This project would include consultant services to complete the evaluation, including review of all modules currently used and investigating paperless options, electronic automation of workflow, identifying improvements of interfaces between modules, integration and wire transfers of data. The first phase of this project will include determining workflows in each department to ensure software selected can meet all City needs. In the second phase of this process includes a Request for Proposal (RFP) to select a vendor to replace the current enterprise software system used for financial reporting, community development and utility tracking, billing and reporting. The implementation of a new system is a multi-year process. Additionally, in 2021 City Council approved the use of $133,900 from American Rescue Plan Act funding toward this project.

JUSTIFICATION:

The current financial enterprise software system utilized by City staff for tracking and reporting must be replaced. This system integrates 30 different modules to the general ledger and has been the system of record since 2002. With emerging technologies and platforms, due diligence and review are necessary. This replacement system should be all encompassing, involving all departments, including integration into other software types and platforms as well as options for ease of use for customers. Increased organizational efficiency for internal and external customers and improved productivity is expected with the replacement of the ERP system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 518,000							
Grants	133,900							
Bonds								
General Fund	1,088,000							
Donations/Insurance Reim.								
Other	715,000							
TOTAL	**$ 2,454,900**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	74,500	2,380,400						
TOTAL	**$ 74,500**	**$ 2,380,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $2,454,900 **Estimated Total Design Cost: $81,000**

Estimated Personnel Hours for Project: 5,000 **Estimated Personnel Costs for Project: $500,000**

ESRI (GIS) Migration: ArcMap to Arc Pro IT0320

Project Status: Active
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Mike Healy
Estimated Life: 8-10 Years

ABOUT THE PROJECT:

Geographical Information System (GIS) is used to map City assets, is needed in multiple departments within the City, and used extensively by all Public Works utilities for conducting day to day business. This project will include server clusters of at least four (4) virtual servers to create 'ESRI ARCPro' required geodatabases on these servers using the new schema. The creation and population of new geodatabases will be done in-house over a period of 18 to 24 months after the server farm has been deployed.

JUSTIFICATION:

ESRI is the City's vendor for the GIS system. Recently ESRI announced the phasing out its ArcMap platform. City is currently on ESRI's ArcMap platform. ESRI will be migrating to a new ArcGIS Pro platform. ESRI has also announced that the product support for the soon to be phased out version will end in the year 2024.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Electric Fund	$ 100,000							
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		100,000						
TOTAL	**$ 0**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $100,000 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 200 **Estimated Personnel Costs for Project: $20,000**

Intrusion Detection & Prevention IT0123

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 10 Years

ABOUT THE PROJECT:

Identified as 'best practice' and soon to be required as part of Criminal Justice Information Systems protection mechanisms, Intrusion Detection and Prevention Systems (IDS/IPS) are Artificial Intelligence (AI) driven systems that detect and prevent unauthorized access to the City's networks and systems.

JUSTIFICATION:

Cyber Security is at the forefront of the City Information Technology (IT) Division's efforts to better secure criminal justice systems, utility system networks and City Staff from malicious cyber-attacks and malware intrusion into critical systems. IDS/IPS use known attack vectors to monitor and inspect network traffic and systems for suspicious activity related to a cyber-attack. In most cases, detection is not enough; whereas detection and prevention combine known actions to mitigate an attack with the nature of the attack to produce a 'seek and destroy' methodology for mitigating well-know and zero-day attacks. There is no magic bullet for these types of attacks; but best practice is deploying an IDS/IPS as an additional layer to our overall security posture.

*The IT Division is pursuing matching grant funds from the State Cyber Security Office for this Capital Project.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund			$ 70,000					
Grants			100,000					
Bonds								
General Fund			30,000					
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			200,000					
TOTAL	$ 0	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $200,000 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 100 **Estimated Personnel Costs for Project: $10,000**

Increase Primary Backup Storage IT0223

Project Status: Planning
Present Condition: Good
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 7 Years

ABOUT THE PROJECT:

This project doubles the capacity of the primary backup system to account for increased data and longer retention of the data. The current capacity is 240TB to be increased to 480TB.

JUSTIFICATION:

The City has invested in a State-of-the-Art data backup architecture to ensure resiliency from cyber-attacks including ransom ware, ensure data recovery in the event of a disaster, and to restore data when inadvertently remove from file storage systems. The City has experienced exponential growth in data over the last decade with no end in sight. Modern Data storage is increasing in cost in direct relation to back-up storage; as data sets increase so do the back-ups of those sets. The current backup storage was purchased in 2020 with a refresh in 2028. The projected increase in storage requirements will carry the City through the storage appliance's life cycle with replacement of the primary backup storage system in 2028.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund							$ 91,800	
Grants								
Bonds								
General Fund							48,200	
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 140,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							140,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 140,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $140,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 40 **Estimated Personnel Costs for Project: $5,000**

SCADA (Utility) Server Replacements IT0323

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 7 Years

ABOUT THE PROJECT:

Electric, Water and Wastewater utilities operate on closed-loop networks with redundant servers that command and control the utilities remotely and securely. This project has a six to eight (6-8) year life-cycle with the last refresh in 2019.

Each Utility system utilizes two (2) servers and (1) storage array.

JUSTIFICATION:

Supervisory Control And Data Acquisition (SCADA) systems are a critical component of the City's utilities in their ability to 'command and control' remote sub-systems from a single point. These systems control pumps, valves, relays, etc.; they monitor lift stations, reservoir levels, grid voltage, etc. and provide a plethora of data points including trending and historical reporting data. They are the heart of any utility and are critical to plant operations. These systems have a 6-8 Year life-cycle with the next refresh due to occur between 2025 and 2027.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund					$ 150,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					150,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 150,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $150,000 **Estimated Total Design Cost: $0**

Estimated Personnel Hours for Project: 80 **Estimated Personnel Costs for Project: $5,000**

IT UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Building Access Control & Cameras — IT0423

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.114363, -123.432072
Project Manager: Todd M. Weeks
Estimated Life: 10 Years
Estimated Total Project Cost: $1,200,000

ABOUT THE PROJECT:

City buildings and sites utilize traditional keyed doors for access control with numerous types of key and lock sets. In coordination with City's Security Committee, Information Technology (IT) has requested quotes from a reputable vendor to wire and install electronic locks on all City owned external and internal doors with proximity access controls.

JUSTIFICATION:

The City's security committee has identified a need for a modern access control system throughout the City's campuses and sites. IT requested a quote from Security Solutions Northwest, based in Bellingham, WA., and to walk the City's facilities to determine an approximate cost for a modern 'turn-key' access control and surveillance solution. The proposed system has already been negotiated by the City of Seattle and is available for the City of Port Angeles to 'piggy-back". The quote includes replacement of the City's aging surveillance cameras as well as new cameras at each external access point and at remote locations. The City may pursue an RFI/RFP to solicit additional quotes for similar products and services.

City Owned Fiber Optics IT0523

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude:
Project Manager: Todd M. Weeks/Mike Healy
Estimated Life:
Estimated Total Project Cost: $1,200,000

About The Project:

City Utilities including Electric, Water and Wastewater rely on Astound Broadband to provide 'private', 'closed-loop' fiber optic networks to transmit critical Supervisory Control And Data Acquisition (SCADA) to an aggregated point at the plant operations centers. The City is beholden to a private company for its critical infrastructure.

Justification:

The City owns the electric grid poles and the 'right-of-way' to allow for industrial utility fiber optics to be 'hung' by the City and operated by City Information Technology (IT). The scope includes replacing Astound Broadband services with City owned fiber optics for the three (3) utilities to connect with substations, pump stations and lift stations over 'dark fiber', negating the need for Astound Broadband in those areas. The utilities regulatory agencies require reliable and secure transmission of SCADA; this project ensures that data is protected. In addition, it recommends hanging additional 'strands' of Fiber Optics in the right-of-way to allow the possibility for the City to lease 'dark fiber' to other anchor institutions in the future.

*Multi-year project with Phase 1 being a pilot project to connect City Hall to the Fire Hall for a Proof-of-Concept (POC).

TRANSPORTATION IMPROVEMENT PLAN



TRANSPORTATION BENEFIT DISTRICT
TRANSPORTATION IMPROVEMENT PLAN

CFP YEAR: 2024 - 2029
MANAGER: JONATHAN BOEHME
CONTACT: WWW.CITYOFPA.US
PHONE: 360-417-4803

TRANSPORTATION GOALS AND OBJECTIVES:

The goal of the Transportation Improvement Plan is to objectively review all streets, curbing, sidewalks and parking areas for damage and needed repair. The transportation goal is to have well maintained streets and sidewalks, to add sidewalks in annexed areas as needed, and provide bicycle transportation lanes.

The goal of the newly created Transportation Benefit District is to fund transportation improvements that preserve, and maintain the operation of existing transportation infrastructure of the City, consistent with the requirements of RCW 36.73. The funds expended by the district shall preserve, maintain and operate the City's previous investments in the transportation infrastructure, reduce the risk of transportation facility failure, improve safety, and continue with cost effective optimal performance of the City's transportation system.

FUNDING SOURCES	PRIOR YEARS	Budget 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Utility Reserves	$ 1,695,000	$ 235,200	$ 310,000	$ 330,000	$ 610,000	$ 175,000	$ 200,000	$ 200,000
Grants	924,200	7,536,100	3,389,400	11,765,000	8,000,000	3,300,000	4,450,000	3,000,000
Transportation District	110,300	1,739,200	700,000	686,000	1,030,000	1,070,000	820,000	505,000
General Fund	174,400	101,000	384,100	320,000	264,000	330,000	295,000	100,000
Donations/Insurance/LID	-	-	-	60,000	100,000	700,000	-	-
Other Funds/REET/Lodgingtax	1,755,200	1,411,300	480,000	487,800	730,000	230,000	255,000	430,000
TOTAL	**$ 4,659,100**	**$ 11,022,800**	**$ 5,263,500**	**$ 13,648,800**	**$ 10,734,000**	**$ 5,805,000**	**$ 6,020,000**	**$ 4,235,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Design	1,474,100	288,900	1,381,100	540,000	100,000	50,000	-	-
Construction	282,400	12,624,600	4,954,300	12,868,800	10,999,000	5,480,000	6,320,000	3,935,000
TOTAL	**$ 1,756,500**	**$ 12,913,500**	**$ 6,335,400**	**$ 13,408,800**	**$ 11,099,000**	**$ 5,530,000**	**$ 6,320,000**	**$ 3,935,000**

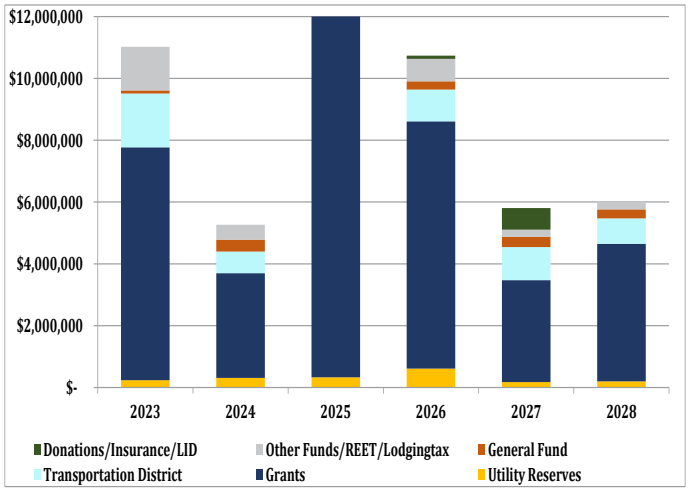
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Labor		950,000	870,100	1,366,800	1,414,000	509,900	607,200	385,400
Supplies								
Communications								
Depreciation		331,800	470,400	716,100	972,000	1,170,000	1,239,100	1,327,800
Other -explain			5,000	5,000	5,000	5,000	5,000	5,000
TOTAL OTHER COSTS	**$ -**	**$ 1,281,800**	**$ 1,345,500**	**$ 2,087,900**	**$ 2,391,000**	**$ 1,684,900**	**$ 1,851,300**	**$ 1,718,200**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

PROJECTS COMPLETED IN 2022		ACTUAL	Budget
TR0218	Lincoln Street Safety	459,744	499,100
TR0616	ADA - Francis Street	370,327	355,500
TR0621	Waterfront Trail Repairs	84,810	105,200
TOTAL COMPLETED PROJECTS		**914,881**	**959,800**

Completed projects are not included in the ongoing projects totals for expenditures or revenues. Only projects accepted as final are included in this listing.

TRANSPORTATION BENEFIT DISTRICT FUND		ACTUAL	Budget
2022	Revenue	1,119,825	814,200
2022	Expenditures	486,850	2,006,850
TOTAL NET CHANGE		**632,975**	**(1,192,650)**



TRANSPORTATION PROJECT LIST & CASH FLOW

TRANSPORTATION PROJECTS Number	Title	Type	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2023	TRANSPORATION IMPROVEMENT PLAN 2024	2025	2026	2027	2028	2029
TRANSPORTATION BENEFIT DISTRICT PROJECTS												
TR1118	Revolving Street Improvements	Restoration	R	314,500	14,500	120,000	30,000	30,000	30,000	30,000	30,000	30,000
TR0414	Peabody Creek/Lincoln Street Culvert Repair *	Restoration	A	4,107,600	96,700	350,300	175,600	-	3,485,000	-	-	-
TR0121	Pavement Management Plan	Mobility	A	200,000	-	200,000	-	-	-	-	-	-
TR0115	N Street Chip Seal (5th to 18th Streets)	Preservation	A	550,000	-	550,000	-	-	-	-	-	-
TR0518	I Street Chip Seal (5th to 16th Streets)	Restoration	A	500,000	-	500,000	-	-	-	-	-	-
TR0316	8th Street Chip Seal (A to I Streets)	Preservation	A	450,000	-	450,000	-	-	-	-	-	-
TR0119	8th Street Paving (Lincoln to A Streets) *	Preservation	1	1,944,400	-	30,000	1,914,400	-	-	-	-	-
TR1799	Truck Route at Hwy 101 Intersection *	Mobility	2	3,275,000	5,800	119,200	500,000	900,000	1,750,000	-	-	-
TR0420	2023 Pavement Preservation	Preservation	3	400,000	-	400,000	-	-	-	-	-	-
TR0716	ADA - Peabody Street *	Pedestrian / Bike	4	370,000	-	20,000	350,000	-	-	-	-	-
TR0618	Stevens Middle School Walking Routes *	Safety	5	930,000	-	-	15,000	115,000	800,000	-	-	-
TR0117	Liberty Street Reconstruction	Restoration	6	575,000	-	-	15,000	560,000	-	-	-	-
TR0221	Marine Dr Paving (Valley to Hill Street) *	Preservation	7	1,920,000	-	-	-	120,000	1,800,000	-	-	-
TR0417	Ennis Street Pavement Repair	Preservation	8	120,000	-	-	120,000	-	-	-	-	-
TR0419	Lauridsen Blvd Reconstuction (L St to City Limits) *	Restoration	9	1,344,000	-	-	-	144,000	1,200,000	-	-	-
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	Preservation	10	700,000	-	-	-	36,000	664,000	-	-	-
TR1416	Hamilton School Walking Routes *	Pedestrian / Bike	11	1,735,000	15,000	-	-	220,000	-	1,500,000	-	-
TR0620	2026 Pavement Preservation	Preservation	12	400,000	-	-	-	-	400,000	-	-	-
TR0818	Railroad Ave Overlay	Mobility	13	455,000	-	-	-	-	-	65,000	390,000	-
TR0122	First/Front Paving (Lincoln to Tumwater Street) *	Preservation	14	1,500,000	-	-	-	-	100,000	1,400,000	-	-
TR0219	5th Street Chip Seal ("A" to "M" Streets)	Preservation	15	585,000	-	-	-	-	-	585,000	-	-
TR0720	18th Street Chip Seal	Preservation	16	390,000	-	-	-	-	-	390,000	-	-
TR0520	2028 Pavement Preservation	Preservation	17	520,000	-	-	-	-	-	-	520,000	-
TR0223	2029 Pavement Preservation	Preservation	18	500,000	-	-	-	-	-	-	25,000	475,000
TR0816	ADA - Cherry Street	Pedestrian / Bike	19	425,000	-	-	-	-	-	-	25,000	400,000
TR0323	Lincoln Street Safety (8th to Lauridsen)*	Safety	20	3,300,000	-	-	-	-	-	-	300,000	3,000,000
TR0499	Laurel St/Ahlvers Road Overlay	Restoration	UF	950,000	-	-	-	-	-	-	-	-
TR1015	Cherry Street Area Chip Seal	Preservation	UF	950,000	-	-	-	-	-	-	-	-
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	UF	400,000	-	-	-	-	-	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Intersection	Mobility	UF	2,000,000	100,500	-	-	-	-	-	-	-
TR0104	2nd & Valley Streets Pavement	Restoration	UF	750,000	-	-	-	-	-	-	-	-
TR0308	O Street Improvements	Restoration	UF	2,000,000	-	-	-	-	-	-	-	-
TR0599	Hill Street Intersection Reconstuction	Mobility	UF	685,000	-	-	-	-	-	-	-	-
TR0317	Chase Street Vicinity Chip Seal	Preservation	UF	420,000	-	-	-	-	-	-	-	-
TR0123	Sidewalk for Ennis Street Improvements	Mobility	UF	225,000	-	-	-	-	-	-	-	-
TRANSPORTATION PROJECTS												-
TR0405	Alley Paving Revolving Funding	Restoration	R	2,005,000	100	1,154,900	-	10,000	440,000	-	400,000	-
TR1120	Complete Streets Revolving Fund	Pedestrian/Bike	R	700,000	-	-	300,000	-	200,000	-	200,000	-
TR0621	Waterfront Trail Repairs	Safety, Ped / Bike	R	623,000	188,800	120,400	100,000	93,800	30,000	30,000	30,000	30,000
TR0114	Hill Street - Olympic Discovery Trail *	Pedestrian / Bike	A	3,941,000	220,100	6,900	-	-	-	-	-	-
TR0209	Race Street Complete Design & Construction Phase I *	Civic Improvement	A	5,251,800	643,100	4,608,700	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement Phase III	Restoration	A	500,000	-	500,000	-	-	-	-	-	-
TR0101	Laurel Street Stairs Replacement	Civic Improvement	A	835,300	4,300	100,000	731,000	-	-	-	-	-
TR0120	Signal Controller Upgrades 1st/Front *	Safety	A	1,668,200	103,500	1,564,700	-	-	-	-	-	-
TR1215	City Hall East Parking Lot LID *	Restoration	A	1,333,000	128,000	1,205,000	-	-	-	-	-	-
TR0321	Speed Feedback Sign Program	Safety	A	90,000	-	30,000	-	30,000	-	30,000	-	-
TR0222	First/Front Pedestrian Enhancements *	Safety	A	1,280,000	-	220,000	-	1,060,000	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	Mobility	1	860,000	26,700	333,300	300,000	100,000	100,000	-	-	-
TR0318	8th/10th Street Bike Lanes *	Pedestrian / Bike	2	1,989,000	-	-	200,000	1,789,000	-	-	-	-
TR1020	N Street Solar Speed Display	Safety	3	30,000	-	30,000	-	-	-	-	-	-
TR0416	1St/2nd/Valley/Oak Green Alley *	Restoration	4	581,900	22,200	9,700	550,000	-	-	-	-	-
TR0919	Traffic Safety Camera Program	Safety	5	35,000	-	-	35,000	-	-	-	-	-
TR0821	Facility Assessment	Civic Improvement	6	10,000	-	10,000	-	-	-	-	-	-
TR0715	16th Street LID (C to L Streets) *	Restoration	7	1,908,000	146,600	30,400	90,000	1,641,000	-	-	-	-
TR1116	School Area Speed Signs (Near Franklin)	Safety	8	50,000	-	-	50,000	-	-	-	-	-
TR0322	Intersection Control Study	Safety	9	50,000	-	-	50,000	-	-	-	-	-
TR0220	Traffic Circle Program *	Safety	10	1,700,000	-	-	-	200,000	-	1,500,000	-	-
TR0909	Wayfinding & ODT Signage	Civic Improvement	11	400,000	40,600	-	159,400	-	-	-	-	-
TR0421	Valley Street Culvert Crossing *	Restoration	12	1,550,000	-	-	-	50,000	100,000	-	1,400,000	-
TR0920	Lauridsen Blvd Flashing Beacons	Safety	13	40,000	-	-	-	40,000	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	Restoration	14	3,000,000	-	-	50,000	-	-	-	-	-
TR0423	Signal Controller Upgrades 1st/Front Phase II*	Safety	15	3,000,000	-	-	-	3,000,000	-	-	-	-
TR0619	Race Street Complete Construction Phase II*	Civic Improvement	16	6,120,000	-	250,000	600,000	3,270,000	-	-	-	-
TR0819	Sidewalks for Mt Angeles Rd & Porter St*	Safety, Ped / Bike	17	3,000,000	-	-	-	-	-	-	3,000,000	-
TR0113	Waterfront Redevelopment Phase III	Civic Improvement	UF	20,000,000	-	-	-	-	-	-	-	-
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	UF	1,000,000	-	-	-	-	-	-	-	-
TR0212	Caroline Street Slide Repair	Restoration	UF	375,000	-	-	-	-	-	-	-	-
TR1009	1st, Front & Race Street Crossings	Pedestrian / Bike	UF	423,000	-	-	-	-	-	-	-	-
TR0516	Nancy Lane Pavement	Restoration	UF	200,000	-	-	-	-	-	-	-	-
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	UF	100,000	-	-	-	-	-	-	-	-
TR0208	Alternate Cross-Town Route Study	Mobility	UF	220,000	-	-	-	-	-	-	-	-
TR1316	Traffic Control	Safety	UF	300,000	-	-	-	-	-	-	-	-
TR1018	Zig Zag at Oak Street	Civic Improvement	UF	600,000	-	-	-	-	-	-	-	-
TR0719	First & Front Street Decoupling	Civic Improvement	UF	-	-	-	-	-	-	-	-	-
TR0521	"I" to "M" Paving and Sidewalk LID	Safety, Ped / Bike	UF	2,000,000	-	-	-	-	-	-	-	-
TR0721	Gales Addition Connector Planning	Pedestrian / Bike	UF	-	-	-	-	-	-	-	-	-
Total				**103,659,700**	**1,756,500**	**12,913,500**	**6,335,400**	**13,408,800**	**11,099,000**	**5,530,000**	**6,320,000**	**3,935,000**

*These projects are anticipated to be grant funded and if funding is not obtained they will not be done.

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

TRANSPORTATION PROJECT LIST & CASH FLOW

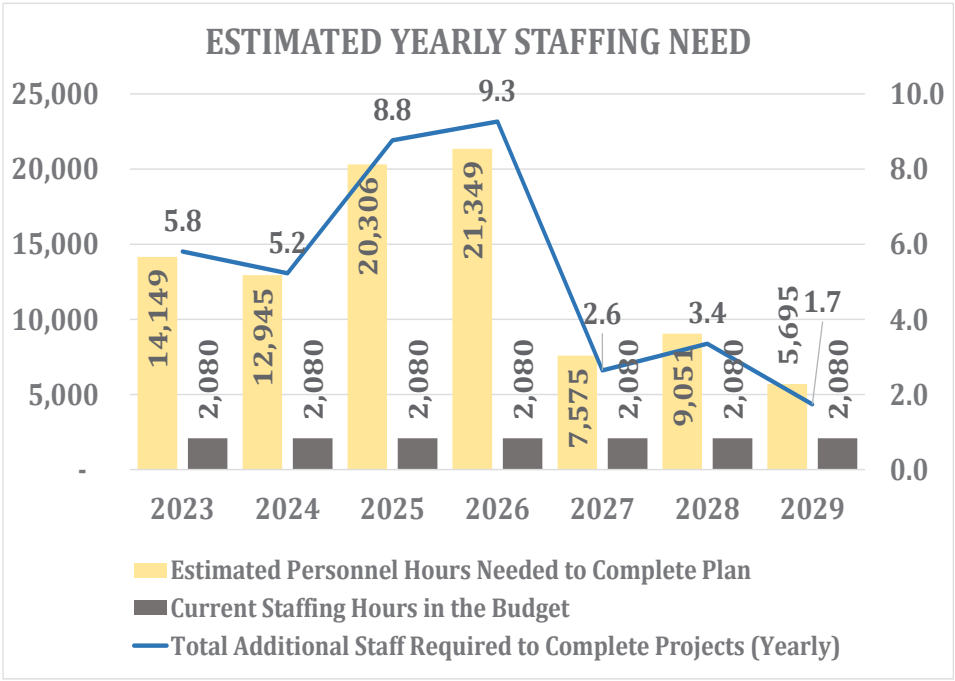
CASH FLOW ANALYSIS	BUDGET 2023	2024	2025	2026	2027	2028	2029
Beginning Cash Balance	4,684,791	1,926,591	1,070,391	1,549,391	1,102,491	1,269,791	1,132,791
Funding sources:							
Utilities Reserves	235,200	310,000	330,000	610,000	175,000	200,000	200,000
Grants	7,536,100	3,389,400	11,765,000	8,000,000	3,300,000	4,450,000	3,000,000
General Fund	101,000	384,100	320,000	264,000	330,000	295,000	100,000
Donations/Insurance	-	-	60,000	100,000	700,000	-	-
Interest	41,700	19,300	10,700	15,500	11,000	12,700	11,300
REET/other	1,411,300	480,000	487,800	730,000	230,000	255,000	430,000
.2% Trans Tax	830,000	896,400	914,300	932,600	951,300	970,300	989,700
Project Costs	(12,913,500)	(6,335,400)	(13,408,800)	(11,099,000)	(5,530,000)	(6,320,000)	(3,935,000)
Ending Cash Balance	**1,926,591**	**1,070,391**	**1,549,391**	**1,102,491**	**1,269,791**	**1,132,791**	**1,928,791**

Projected Depreciation	**1,767,863**	**1,916,838**	**2,180,286**	**2,454,045**	**2,666,159**	**2,739,858**	**2,917,856**
Cash to depreciation ratio	**1.09**	**0.56**	**0.71**	**0.45**	**0.48**	**0.41**	**0.66**

The City committed to maintaining a historical average investment in street infrastructure after the TBD was approved by voters, this amounts to $120,000 per year. Each year the General Fund is inputting more than average for the CFP period.

Estimated Yearly Personnel Need for Planned Projects	2023	2024	2025	2026	2027	2028	2029
Estimated Personnel Hours Needed to Complete Plan	14,149	12,945	20,306	21,349	7,575	9,051	5,695
Current Staffing Hours in the Budget	2,080	2,080	2,080	2,080	2,080	2,080	2,080
Difference	*12,069*	*10,865*	*18,226*	*19,269*	*5,495*	*6,971*	*3,615*
Total Additional Staff Required to Complete Projects (Yearly)	**5.8**	**5.2**	**8.8**	**9.3**	**2.6**	**3.4**	**1.7**

The current capital plan would require an average of 5.8 additional FTE's to complete; however, in years when large projects are included additional staffing will be needed for completion. Other existing staffing of 0.5 FTE per division are allocated to supporting operations, environmental compliance, and development services.



TRANSPORTATION BENEFIT DISTRICT PROJECTS

Revolving Street Improvements TR1118

Project Status: Revolving
Present Condition: Poor
Latitude / Longitude: 48.11844252, -123.43373539
Project Manager: Eric Wheatley
Estimated Life: 35 Years
Type: Restoration
Transportation Benefit District Funded

ABOUT THE PROJECT:

Street related small capital projects throughout the City for asphalt, sidewalks and curbing.

JUSTIFICATION:

Set aside funds from the Transportation Benefit District (TBD) for improvements and minor repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District	104,500	30,000	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL	**$ 104,500**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	14,500	120,000	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL	**$ 14,500**	**$ 120,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $314,500 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 624 **Estimated Personnel Costs for Project: $42,000**

Peabody Creek/Lincoln Street Culvert Repair

TR0414

Project Status: Design
Present Condition: Poor
Latitude / Longitude: 48.118031141, -123.431623936
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration
Transportation Benefit District Funded



About the Project:

Repair of the culvert which carries Peabody Creek under Lincoln Street. This project will repair the invert of the culvert, stabilize adjacent soil and include rehabilitation of the culvert with a shotcrete liner. This project is dependent on receiving funding from Washington State Department of Transportation for their percentage of ownership of the culvert; the City will apply for a Transportation Improvement Board (TIB) grant to fund 85% of the City cost. The remainder will be funded through the Stormwater Utility.

Justification:

The culvert could fail with a high potential for property damage and loss of a portion of the highly traveled Lincoln Street.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund	$ 622,600				$ 435.000			
Grants					3,050.000			
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District								
TOTAL	**$ 622,600**	**$ 0**	**$ 0**	**$ 0**	**$ 3,485,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	96,700	350,300	175,600		3,485,000			
TOTAL	**$ 96,700**	**$ 350,300**	**$ 175,600**	**$ 0**	**$ 3,485,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $4,107,600 **Estimated Total Design Cost: $622,000**

Estimated Personnel Hours for Project: 5,562 **Estimated Personnel Costs for Project: $347,351**

PROJECT STATUS: PLANNING
PRESENT CONDITION: FAIR
LATITUDE / LONGITUDE:
PROJECT MANAGER: JONATHAN BOEHME
ESTIMATED LIFE: 20 YEARS
TYPE: MOBILITY
TRANSPORTATION BENEFIT DISTRICT FUNDED

ABOUT THE PROJECT:

This plan will assist the City with identifying street maintenance priorities. The City has a large road network of over 310 lane miles. The project will rate the overall condition of the entire street network and highlight the impacts of various funding levels on pavement condition index (PCI) and deferred maintenance funding shortfalls. A comprehensive preventative maintenance program is a critical component of this plan, maintenance treatments extend the life of good pavements at a much lower cost than overlay and reconstruction treatments.

JUSTIFICATION:

The roads in the City are currently rated at a PCI of 36 on a scale between 100 (very good) and 0 (failed). The intent of this plan is to develop a maintenance strategy and corresponding funding level that will improve the overall condition of the street network.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		200,000						
TOTAL	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		200,000						
TOTAL	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $200,000 **Estimated Total Design Cost: $200,000**

Estimated Personnel Hours for Project: 416 **Estimated Personnel Costs for Project: $28,000**

"N" Street Chip Seal (5th to 18th Streets) TR0115

Project Status: Design
Present Condition: Fair
Latitude / Longitude: 48.127353072, -123.483517169
Project Manager: Jonathan Boehme
Estimated Life: 15 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project involves pavement repair and the chip sealing of N Street from 5th Street to 15th Street. Cost effective traffic calming measures will be included in the project. Design will be done in house.

JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
REET 2	50,000	500,000						
Transportation Benefit District								
TOTAL	**$ 50,000**	**$ 500,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		550,000						
TOTAL	**$ 0**	**$ 550,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $550,000 **Estimated Total Design Cost: $15,000**

Estimated Personnel Hours for Project: 763 **Estimated Personnel Costs for Project: $51,333**

"I" Street Chip Seal (5th to 16th Streets) TR0518



Project Status: Design
Present Condition: Poor
Latitude / Longitude: 48.1218317, -123.4671465
Project Manager: Jonathan Boehme
Estimated Life: 15 Years
Type: Restoration
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project involves the pavement repair and chip sealing of I Street from 5th Street to 16th Street. ADA ramp replacements where required will be included. Design will be done in house.

JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
REET 2	100,000							
Transportation Benefit District		400,000						
TOTAL	**$ 100,000**	**$ 400,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		500,000						
TOTAL	**$ 0**	**$ 500,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $500,000 **Estimated Total Design Cost: $10,000**

Estimated Personnel Hours for Project: 693 **Estimated Personnel Costs for Project: $46,667**

8th Street Chip Seal ("A" to "I" Streets) TR0316

Project Status: Design
Present Condition: Fair
Latitude / Longitude: 48.123064, -123.463908
Project Manager: Jonathan Boehme
Estimated Life: 15 Years
Type: Preservation
Transportation Benefit District Funded



About the Project:

The project involves pavement repair and double chip sealing of 8th Street from A to I Street. ADA ramp upgrades will be included where required. Design will be done in house.

Justification:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than streets in poor condition.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		450,000						
TOTAL	$ 0	$ 450.000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		450,000						
TOTAL	$ 0	$ 450.000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $450,000 **Estimated Total Design Cost: None**

Estimated Personnel Hours for Project: 624 **Estimated Personnel Costs for Project: $42,000**

8th Street Paving (Lincoln to "A" Street) TR0119

Project Status: Design
Present Condition: Fair
Latitude / Longitude: 48.114560, -123.442997
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project involves the mill and overlay of 8th Street from Lincoln Street to A Street. Design will be done in house. Project dependent on obtaining grant funding. Bike lane striping will be included in this project to connect bike lanes proposed in the Lincoln street safety project to bike lanes currently on the 8th Street Bridges.

JUSTIFICATION:

The overlay will extend the life of the pavement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants			1,464,400					
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		30,000	450.000					
TOTAL	**$ 0**	**$ 30.000**	**$ 1,914,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		30,000	1,914,400					
TOTAL	**$ 0**	**$ 30.000**	**$ 1,914,400**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,944,400 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 4,044 **Estimated Personnel Costs for Project: $272,211**

Truck Route at Hwy 101 Intersection TR1799

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.106525074, -123.46596479
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Mobility
Transportation Benefit District Funded

ABOUT THE PROJECT:

Improve safety and freight mobility by completion of the US101/SR117 (Truck Route) interchange to allow full movements for freight to travel to and from Port Angeles Harbor to locations east of Port Angeles. The current interchange limits movement from the Port of Port Angeles to locations to the west. The project will add new ramps and channelization to accommodate southbound SR 117 (Truck Route) to eastbound US 101 moves without conflicts. It will also provide some improved channelization for westbound US 101 to northbound SR 117. Design and Construction is dependent upon receiving a grant. Planning and grant application expenses are budgeted using local funds.

JUSTIFICATION:

This intersection needs to provide truck access from all traffic directions in order to allow large trucks to reach the harbor without using the downtown corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants			375,000	900,000	1,750,000			
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District	5,800	119,200	125,000					
TOTAL	**$ 5,800**	**$ 119,200**	**$ 500,000**	**$ 900,000**	**$ 1,750,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	5,800	119,200	500,000	900,000	1,750,000			
TOTAL	**$ 5,800**	**$ 119,200**	**$ 500,000**	**$ 900,000**	**$ 1,750,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $3,275,000 **Estimated Total Design Cost: $775,000**

Estimated Personnel Hours for Project: 3,400 **Estimated Personnel Costs for Project: $228,845**

2023 Pavement Preservation TR0420

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: Various Locations
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

JUSTIFICATION:

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		400,000						
TOTAL	**$ 0**	**$ 400.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		400,000						
TOTAL	**$ 0**	**$ 400.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $400,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 555 **Estimated Personnel Costs for Project: $37,333**

ADA - Peabody Street TR0716

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.1112, -123.433156
Project Manager: Jonathan Boehme
Estimated Life: 35 Years
Type: Pedestrian / Bike
Transportation Benefit District Funded

ABOUT THE PROJECT:

Curb ramps will be installed to provide sidewalk accessibility and meet ADA compliance.

JUSTIFICATION:

Current curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants			300,000					
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		20,000	50,000					
TOTAL	**$ 0**	**$ 20.000**	**$ 350.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		20,000	350,000					
TOTAL	**$ 0**	**$ 20.000**	**$ 350.000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $370,000 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 770 **Estimated Personnel Costs for Project: $51,800**

Stevens Middle School Walking Routes TR0618

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.1163286, -123.4618428
Project Manager: Jonathan Boehme
Estimated Life: 35 Years
Type: Safety
Transportation Benefit District Funded

ABOUT THE PROJECT:

Install sidewalks and curb ramps on designated school walking routes near Stevens Middle School, subject to Safe Route to School grant funding.

JUSTIFICATION:

Increase the number of children walking and biking to school safely.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants				55,000	700,000			
Bonds								
General Fund								
Donations/Insurance Reim.								
REET 2		15,000		60,000	100,000			
TOTAL	**$ 0**	**$ 15,000**	**$ 0**	**$ 115,000**	**$ 800,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			15,000	115,000	800,000			
TOTAL	**$ 0**	**$ 0**	**$ 15,000**	**$ 115,000**	**$ 800,000**	**$ 0**	**$ 0**	**$ 0**

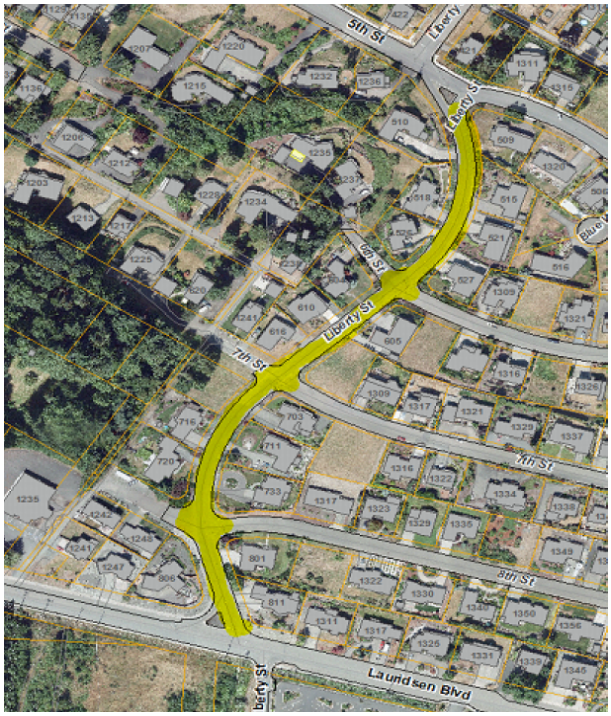
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $930,000 **Estimated Total Design Cost: $130,000**

Estimated Personnel Hours for Project: 1,934 **Estimated Personnel Costs for Project: $130,200**

Liberty Street Reconstruction TR0117

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.1050932, -123.4151604
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Restoration
Transportation Benefit District Funded



About the Project:

Reconstruction of Liberty Street from 5th Street to Lauridsen Blvd to correct structural failure of the roadway. Replace base, asphalt, and update drainage. A traffic circle will be evaluated for the 6th and Liberty intersection to improve traffic safety. This project will coordinate with project WT0111 - Liberty Watermain replacement.

Justification:

The roadway has experienced structural failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund				60,000				
Donations/Insurance Reim.								
Transportation Benefit District			15,000	500,000				
TOTAL	**$ 0**	**$ 0**	**$ 15,000**	**$ 560,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			15,000	560,000				
TOTAL	**$ 0**	**$ 0**	**$ 15,000**	**$ 560,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $575,000 **Estimated Total Design Cost: $15,000**

Estimated Personnel Hours for Project: 1,196 **Estimated Personnel Costs for Project: $80,500**

Marine Drive Paving (Tumwater to Hill Street) TR0221

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.1215208, -123.436617
Project Manager: Jonathan Boehme
Estimated Life: 25 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project involves the mill and overlay of Marine Dr from Tumwater Street to Hill Street. Marine Dr is designated as an National Highway System route and is eligible for federal preservation grants. Project dependent on obtaining grant funding. The project is scheduled to be completed following stormwater and wastewaster utility projects in the vicinity.

JUSTIFICATION:

The overlay will extend the life of the pavement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants					1,700,000			
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District				120,000	100,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 120,000**	**$ 1,800,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				120,000	1,800,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 120,000**	**$ 1,800,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,920,000 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 3,994 **Estimated Personnel Costs for Project: $268,800**

Ennis Street Pavement Repair TR0417

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.1083644, -123.4101987
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

Square cut pavement patches on Ennis Street between Front and 5th.

JUSTIFICATION:

Patching will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects prevent City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair streets in poor condition.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			90,000					
Donations/Insurance Reim.								
Transportation Benefit District			30,000					
TOTAL	**$ 0**	**$ 0**	**$ 120,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			120,000					
TOTAL	**$ 0**	**$ 0**	**$ 120,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $120,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 250 **Estimated Personnel Costs for Project: $16,800**

Lauridsen Boulevard Reconstruction (L Street to City Limits) TR0419

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.1126732, -123.433784
Project Manager: Jonathan Boehme
Estimated Life: 30 Years
Type: Restoration
Transportation Benefit District Funded

ABOUT THE PROJECT:

Reconstruction of Lauridsen Blvd from L Street to City limits to correct structural failure of the roadway. Replace base, asphalt, update drainage. Construction will depend on a grant with a match from TBD.

JUSTIFICATION:

The roadway is experiencing structural failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants					700,000			
Bonds								
General Fund								
Donations/Insurance Reim.								
REET				144,000	500,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 144,000**	**$ 1,200,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				144,000	1,200,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 144,000**	**$ 1,200,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,344,000 **Estimated Total Design Cost: $120,000**

Estimated Personnel Hours for Project: 2,796 **Estimated Personnel Costs for Project: $188,160**

Park Avenue Paving Overlay (Race to Liberty Streets) TR0915

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.101910004, -123.421006681
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project involves the overlay of asphalt and subgrade repairs on Park Avenue from Race Street to Liberty Street. The design will be done in house.

JUSTIFICATION:

The overlay is needed because the asphalt has gone beyond life expectancy and potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund					164,000			
Donations/Insurance Reim.								
Transportation Benefit District				36,000	500,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 36,000**	**$ 664,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				36,000	664,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 36,000**	**$ 664,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $700,000 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 1,456 **Estimated Personnel Costs for Project: $98,000**

Hamilton School Walking Routes TR1416

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.127794, -123.474806
Project Manager: Jonathan Boehme
Estimated Life: 35 Years
Type: Pedestrian / Bike
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project will create safe walking routes for children walking to Hamilton School. Project is dependent on obtaining a Safe Routes to School grant.

JUSTIFICATION:

Improve safety near school.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants				110,000		1,200,000		
Bonds								
General Fund	15,000			110,000		100,000		
Donations/Insurance Reim.								
Transportation Benefit District						200,000		
TOTAL	**$ 15,000**	**$ 0**	**$ 0**	**$ 220,000**	**$ 0**	**$ 1,500,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	15,000			220,000		1,500,000		
TOTAL	**$ 15,000**	**$ 0**	**$ 0**	**$ 220,000**	**$ 0**	**$ 1,500,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,735,000 **Estimated Total Design Cost: $200,000**

Estimated Personnel Hours for Project: 3,578 **Estimated Personnel Costs for Project: $240,800**

2026 Pavement Preservation TR0620

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: Various Locations
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

JUSTIFICATION:

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District					400.000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 400,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					400,000			
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 400,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $400,000 **Estimated Total Design Cost: None**

Estimated Personnel Hours for Project: 832 **Estimated Personnel Costs for Project: $56,000**

Railroad Avenue Overlay TR0818

Project Status: Planning
Present Condition: Poor
Latitude / Longitude: 48.11918, -123.4326137
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Mobility
Transportation Benefit District Funded

About the Project:

This project involves the overlay of asphalt with reinforced mesh on Railroad Ave between Lincoln and Laurel streets. Design will be done in house.

Justification:

The overlay is needed because the asphalt has a Pavement Condition Index (PCI) rating of 27 out of 100, has gone beyond life expectancy and potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund							195,000	
Donations/Insurance Reim.								
Transportation Benefit District						65,000	195,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 65,000**	**$ 390,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						65,000	390,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 65,000**	**$ 390,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $455,000 **Estimated Total Design Cost: $65,000**

Estimated Personnel Hours for Project: 946 **Estimated Personnel Costs for Project: $63,700**

First/Front Paving (Lincoln to Tumwater Street) TR0122

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.1198350, -123.4355330
Project Manager: Jonathan Boehme
Estimated Life: 25 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project involves the mill and overlay of First and Front from Lincoln Street to Tumwater. First and Front are designated as an National Highway System route and eligible for federal preservation and state Transportation Improvement Board APP grants. Project dependent on obtaining grant funding. The project is scheduled to be completed following the Washington State Department of Transportation Tumwater Creek detour through downtown and will be partially funding by WSDOT.

JUSTIFICATION:

The overlay will extend the life of the pavement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants						700.000		
Bonds								
General Fund								
Donations/Insurance Reim.					100.000	700.000		
Transportation Benefit District								
TOTAL	$ 0	$ 0	$ 0	$ 0	$ 100,000	$ 1,400,000	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs					100,000	1,400,000		
TOTAL	$ 0	$ 0	$ 0	$ 0	$ 100,000	$ 1,400,000	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $1,500,000 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 3,120 **Estimated Personnel Costs for Project: $210,000**

5th Street Chip Seal ("A" to "M" Streets) TR0219

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.124419, -123.458457
Project Manager: Jonathan Boehme
Estimated Life: 15 Years
Type: Preservation
Transportation Benefit District Funded



About the Project:

The project involves the chip seal of asphalt on 5th Street. Design will be done in house.

Justification:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District						585,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 585,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						585,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 585,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $585,000 **Estimated Total Design Cost: None**

Estimated Personnel Hours for Project: 811 **Estimated Personnel Costs for Project: $54,600**

18th Street Chip Seal TR0720

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: 48.119279, -123.483910
Project Manager: Jonathan Boehme
Estimated Life: 15 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project involves the chip sealing of 18th street from I street to the transfer station. Design will be done in house.

JUSTIFICATION:

The chip seal will extend the life of pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District						390,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 390,000**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs						390,000		
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 390,000**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $390,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 541 **Estimated Personnel Costs for Project: $36,400**

2028 Pavement Preservation TR0520

Project Status: Planning
Present Condition: Fair
Latitude / Longitude: Various Locations
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

JUSTIFICATION:

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District							520,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 520,000**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							520,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 520,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $520,000 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 721 **Estimated Personnel Costs for Project: $48,533**

2029 Pavement Preservation TR0223

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: Various Locations
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Preservation
Transportation Benefit District Funded

ABOUT THE PROJECT:

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

JUSTIFICATION:

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District							25,000	475,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 25,000**	**$ 475,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							25,000	475,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 25,000**	**$ 475,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $500,000 **Estimated Total Design Cost: $25,000**

Estimated Personnel Hours for Project: 693 **Estimated Personnel Costs for Project: $46,667**

ADA - Cherry Street TR0816

Project Status: Pre-Planning
Present Condition: Poor
Latitude / Longitude: 48.117139, -123.440722
Project Manager: Jonathan Boehme
Estimated Life: 35 Years
Type: Pedestrian / Bike
Transportation Benefit District Funded

ABOUT THE PROJECT:

Curb ramps will be installed to provide sidewalk accessibility and meet ADA compliance.

JUSTIFICATION:

Current curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District							25,000	400,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 25,000**	**$ 400,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							25,000	400,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 25,000**	**$ 400,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $425,000 **Estimated Total Design Cost: $25,000**

Estimated Personnel Hours for Project: 832 **Estimated Personnel Costs for Project: $56,000**

Lincoln Street Safety (8th to Lauridsen) TR0323

Project Status: Pre-Planning
Present Condition: Fair
Latitude / Longitude: 48.1165531, -123.433276
Project Manager: Jonathan Boehme
Estimated Life: 40 Years
Type: Safety
Transportation Benefit District Funded

ABOUT THE PROJECT:

Install pedestrian and traffic safety treatments on Lincoln Street between 8th Street and Lauridsen Boulevard to improve safety, approximately 2,250 feet. Key elements will include curb extensions, median refuge islands, pedestrian activated beacons, lane channelization, and roundabout at Lauridsen. Grant funding through a WSDOT Bicycle and Pedestrian Safety Program.

JUSTIFICATION:

A significant number of collisions involving pedestrians have occurred in this corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants							250,000	3,000,000
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District							50,000	
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 300,000**	**$ 3,000,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							300,000	3,000,000
TOTAL	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 300,000**	**$ 3,000,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Transportation Benefit District								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $3,300,000 **Estimated Total Design Cost: $300,000**

Estimated Personnel Hours for Project: 4,548 **Estimated Personnel Costs for Project: $306,133**

TRANSPORTATION BENEFIT DISTRICT UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Laurel Street/Ahlvers Road Overlay TR0499



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.094521134, -123.441485881
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration
Estimated Total Project Cost: $950,000

ABOUT THE PROJECT:

This project will overlay Ahlvers Road from Peabody to Laurel and will include ditches and walking paths. This project changed from full curbing and overlay to a restoration project in 2016. Prior estimates were $1.745 million.

JUSTIFICATION:

Restore pavement condition and improve safety for pedestrians.

Cherry Street Area Chip Seal — TR1015

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.112146051, -123.445022106
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Preservation
Estimated Total Project Cost: $950,000

About the Project:

This project involves chip sealing the upper Cherry Street area bounded by 8th Street to 15th Street and from Lincoln Street to the west side of Cherry Street. Design will be done in house.

Justification:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.

ADA - Oak & Laurel Streets — TR0916

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.115986, -123.437817
Project Manager: Jonathan Boehme
Estimated Life: 35 Years
Type: Pedestrian / Bike
Estimated Total Project Cost: $400,000

About the Project:

Curb ramps will be installed to provide sidewalk accessibility and meet ADA compliance.

Justification:

Current curb ramps do not meet ADA compliance.

Lincoln, Laurel & Lauridsen Intersection TR1899

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.10218559, -123.442438602
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Mobility
Estimated Total Project Cost: $2,000,000

ABOUT THE PROJECT:
Improve the intersection at Laurel Street and Lauridsen Boulevard. The City is researching both traffic signal and round-a-bout options. A study and design work were completed prior to 2016 at a cost of $100,516.

JUSTIFICATION:
In 2012, a study concluded this intersection can be changed for better traffic flow and Washington State Department of Transportation (WSDOT) agreed. Money exists from a developer and is being held PRD. Without improvement this street can become a hazardous intersection.

2nd & Valley Streets Pavement TR0104

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.120352320, -123.44058036
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration
Estimated Total Project Cost: $750,000

ABOUT THE PROJECT:
Reconstruction of Valley Street from 1st Street to 6th Street to correct structural failure of the roadway and culvert.

JUSTIFICATION:
The roadway has experienced structural failure along the east side as well as under the roadway and in the culvert.

"O" Street Improvements TR0308

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.126666162, -123.492413519
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration
Estimated Total Project Cost: $2,000,000

ABOUT THE PROJECT:
Pave "O" Street, add curbs, gutters, drainage, and utilities to the current gravel road. Right-of-way would also need to be purchased at approximately $490,000.

JUSTIFICATION:
This is an incomplete arterial road by City Standards.

Hill Street Intersection Reconstruction TR0599

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.128664998, -123.46289205
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Mobility
Estimated Total Project Cost: $685,000

ABOUT THE PROJECT:
Realignment of Hill Street to 4th Street, and Hill Street to Marine Drive.

JUSTIFICATION:
The intersection occurs at the top of a hill (4th and Hill Street) which makes line of sight a problem at this location, this project will enhance safety at this intersection.

Chase Street Vicinity Chip Seal TR0317

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.1126732, -123.433784
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Preservation
Estimated Total Project Cost: $420,000

ABOUT THE PROJECT:
This project involves the chip sealing of Chase Street and crossing streets between 4th and 8th streets.

JUSTIFICATION:
The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair bad.

Sidewalk For Ennis Street Improvements TR0123

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.102666, -123.412289
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Mobility
Estimated Total Project Cost: $225,000

ABOUT THE PROJECT:
Provide sidewalk on the west side of Ennis Street from East Lauridsen Blvd to East 8th Street. This addition of approximately 270 LF of 6-foot wide, curb-tight sidewalk where there is no pedestrian walk. Five (5) ramps would be required and striping at 3 locations to complete the connectivity of the walks. Right-of-way purchase not needed.

JUSTIFICATION:
This connection of existing sidewalks, from the northeast corner of the Peninsula College parking lot at East Lauridsen Blvd and East 8th Street to the north along Ennis Street, would provide for approximately 750 linear feet of continuous pedestrian access within the right of way.

Alley Paving Revolving Fund TR0405



Project Status: Revolving
Condition: Poor
Latitude / Longitude: 48.112243, -123.427812
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration

ABOUT THE PROJECT:

This project involves paving of alleys and exists as a revolving fund. The funds are transferred in from the Solid Waste Collection Division, for use on future alley projects. Funding in 2022 $450,000 to 6/7 Alley between Francis and Washington and 4/5 Alley between Francis and Eunice, 2023 $300,000 to Front/First Alley between Race and Washington and Front Georgiana Alley between Race and Washington. Other years have not been defined and will add to the alley paving revolving funds.

JUSTIFICATION:

The Solid Waste packer trucks cause extra wear and tear that breaks down the alleyway while performing trash pickup activities. Due to the additional wear incurred the Solid Waste Fund is providing funding for replacement of damaged alleyways.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Solid Waste Fund	$ 1,030,000	$ 125,000	$ 150,000	$ 150,000	$ 175,000	$ 175,000	$ 200,000	$ 200,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	**$ 1,030,000**	**$ 125,000**	**$ 150,000**	**$ 150,000**	**$ 175,000**	**$ 175,000**	**$ 200,000**	**$ 200,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	100	1,154,900		10,000	440,000		400,000	
TOTAL	**$ 100**	**$ 1,154,900**	**$ 0**	**$ 10,000**	**$ 440,000**	**$ 0**	**$ 400,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $2,005,000 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 2,177 **Estimated Personnel Costs for Project: $146,533**

Complete Streets Revolving Fund TR1120

Project Status: Revolving
Condition: Poor
Latitude / Longitude: Multiple Locations
Project Manager: Jonathan boehme
Estimated Life: 35 Years
Type: Pedestrian / Bike

ABOUT THE PROJECT:

The focus of this program is to install, or repair sidewalks, curb ramps, bike lanes, and other complete street elements to maintain safety for pedestrians in Port Angeles roadways and meet Council and citizen expectations for complete streets. This is a revolving fund with $100,000 set aside each year for repairs, or additions to incomplete streets. Fund revenue from street vacations and surplus property sale.

JUSTIFICATION:

If adequate pedestrian safety measures are not implemented the City will continue to have large numbers of missing sidewalk gaps, ADA accessibility issues and limited designated bike facilities.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
TOTAL	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			300,000		200,000		200,000	
TOTAL	**$ 0**	**$ 0**	**$ 300,000**	**$ 0**	**$ 200,000**	**$ 0**	**$ 200,000**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $700,000 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 1,456 **Estimated Personnel Costs for Project: $98,000**

Waterfront Trail Repairs TR0621

Project Status: Revolving
Condition: Poor
Latitude / Longitude: 48.1117043, -123.4189687
Project Manager: Jonathan Boehme/Corey Delikat
Estimated Life: 30 Years
Type: Safety / Pedestrian / Bike

ABOUT THE PROJECT:

Winter storms continue to deplete the shoring armor and create undermining within the Waterfront Trail from the City Pier to Morse Creek. This project is to secure funding on an annual basis so that the City can contract maintenance from year to year as needed.

JUSTIFICATION:

As we experienced in 2019, 2020, & 2021 not funding this project could result in failure of additional sections of the trail.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	9,200							
Donations/Insurance Reim.								
REET 2	200,000	100,000	100,000	93,800	30,000	30,000	30,000	30,000
TOTAL	**$ 209,200**	**$ 100,000**	**$ 100,000**	**$ 93,800**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**

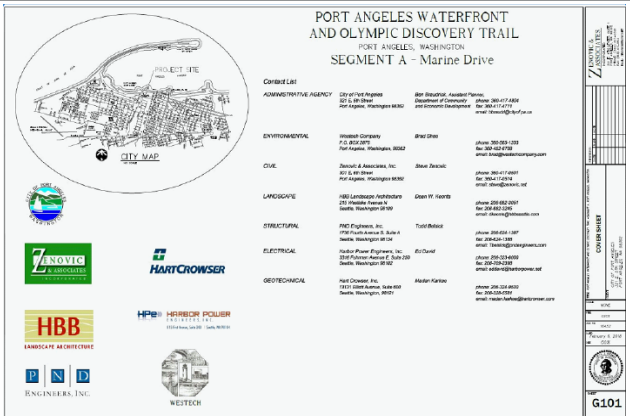
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	188,800	120,400	100,000	93,800	30,000	30,000	30,000	30,000
TOTAL	**$ 188,800**	**$ 120,400**	**$ 100,000**	**$ 93,800**	**$ 30,000**	**$ 30,000**	**$ 30,000**	**$ 30,000**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $623,000 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 602 **Estimated Personnel Costs for Project: $40,525**

Hill Street - Olympic Discovery Trail TR0114



Project Status: Active
Condition: Fair
Latitude / Longitude: 48.12958793, -123.466565608
Project Manager:
Shannen Cartmel/Jonathan Boehme
Estimated Life: 80 years
Type: Pedestrian / Bike

ABOUT THE PROJECT:

This project completes the Port Angeles portion of the Olympic Discovery Trail (ODT) and allow trail users to safely ascend up and down Hill Street on a newly developed trail that follows the historic Milwaukee railroad grade. This would include portions of Marine Drive to Crown Park, a new trail head and parking area. Construction portion is estimated at $3.7 million. The City was approved for a $1,421,700 Washington State Recreation and Conservation Office (RCO) grant, although that funding has been returned due to the failure to acquire a required 30% grant match. This match hinged on a 2020 Pedestrian and Bicycle Safety Grant for $2.08 million that was not awarded to the City. Construction funding has been removed and placed in parking lot.

JUSTIFICATION:

This project will complete the Olympic Discovery Trail within the City Limits. The majority of the project area currently has no pedestrian or bicycle facilities or facilities that are inadequate and unsafe for use.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants	191,100	6,900						
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	29,000							
TOTAL	**$ 220,100**	**$ 6,900**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	220,100	6,900						
TOTAL	**$ 220,100**	**$ 6,900**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

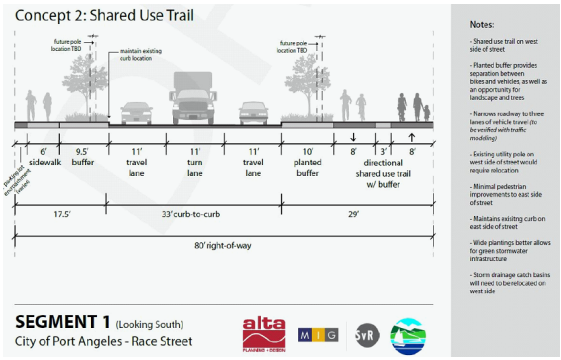
OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other						0		
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $3,941,000 **Estimated Total Design Cost: $234,500**

Estimated Personnel Hours for Project: 29 **Estimated Personnel Costs for Project: $1,932**

Race Street Complete Design & Construction Phase I

TR0209



PROJECT STATUS: Active
CONDITION: Fair
LATITUDE / LONGITUDE: 48.109905298, -123.421770572
PROJECT MANAGER:
Shannen Cartmel/Jonathan Boehme
ESTIMATED LIFE: 80 years
TYPE: Civic Improvement

ABOUT THE PROJECT:

Improvements include the installation of a shared-use trail, pedestrian safety enhancements, plantings and pavement restoration along Race Street between the project extents of Front Street south to the Olympic National Park Visitor and Wilderness Information Center. City Council approved a Federal Lands Access Program (FLAP) design grant on 10/20/2015. A FLAP construction grant has also been secured for $2.0 million. The City also received $113,000 in Highway Improvement (HIP) Funds and $68,000 in Surface Transformation Program Funds (STP) Design and $500,000 in STP Funds for construction. Also $485,000 in funding for construction from the Federal Transportation Alternatives program (TA) and $364,500 from the Washington State Recreation and Conservation Office Washington Wildlife Recreation Program Trails (RCO WWRP Trails) grant for construction to cover the matches of the previously mentioned federally dispersed funds. An additional $550,000 has been awarded through STP. The total cost of Phase 1 Construction is $5.45 million. The City is searching for funding by means of a grant to cover the $3.25 million of the project that is unfunded. The project will be constructed in phases, with the first phase between 8th Street and Olympic National Park Visitor Center. Remaining construction phases are currently unfunded for a total of $3.0 million.

JUSTIFICATION:

The Race Street Corridor is an important gateway for the City of Port Angeles and Olympic National Park, and one of the City's most active arterials. The initial phase of a three-phase project will link Olympic National Park Visitor Center and the Waterfront and Olympic Discovery Trail to facilitate cyclists traveling in this corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants	279,400	4,608,700						
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	363,700							
TOTAL	**$ 643,100**	**$ 4,608,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	643,100	4,608,700						
TOTAL	**$ 643,100**	**$ 4,608,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $5,251,800 **Estimated Total Design Cost: $750,000**

Estimated Personnel Hours for Project: 1,917 **Estimated Personnel Costs for Project: $129,044**

Downtown Tree & Sidewalk Replacement Phase III

TR0918

Project Status: Planning
Condition: Poor
Latitude / Longitude: Multiple locations
Project Manager: Jonathan Boehme/Corey Delikat
Estimated Life: 35 Years
Type: Restoration

ABOUT THE PROJECT:

In 2016-17, the City completed Phase I of the Downtown Tree & Sidewalk Replacement Program. The focus of this program is to replace out grown trees, fix tree wells, curb ramps and portions of the downtown sidewalks. This project is to continue these repairs throughout the downtown area.

JUSTIFICATION:

If not completed, the City will continue to have infrastructure issues along the Downtown corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	300,000	200,000						
TOTAL	**$ 300,000**	**$ 200,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		500,000						
TOTAL	**$ 0**	**$ 500,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $500,000 **Estimated Total Design Cost: $20,000**

Estimated Personnel Hours for Project: 1,040 **Estimated Personnel Costs for Project: $70,000**

Laurel Street Stairs Replacement TR0101

Project Status: Design
Condition: Poor
Latitude / Longitude: 48.118644252, -123.43373539
Project Manager: Jonathan Boehme/Corey Delikat
Estimated Life: 35 Years
Type: Civic Improvement

ABOUT THE PROJECT:

Replacement of stairs at Laurel Street from the top of the bluff to downtown with easy to maintain materials. Design will take place in 2021-2022 with construction in 2023.

JUSTIFICATION:

The condition of the stairs is poor, causing costly maintenance and repairs. To prevent future closure of the stairs a replacement is needed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			50,300					
Donations/Insurance Reim.								
REET	535,000	200,000	50,000					
TOTAL	**$ 535,000**	**$ 200,000**	**$ 100,300**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	4,300	100,000	731,000					
TOTAL	**$ 4,300**	**$ 100,000**	**$ 731,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $835,300 **Estimated Total Design Cost: $100,000**

Estimated Personnel Hours for Project: 1,728 **Estimated Personnel Costs for Project: $116,340**

Signal Controller Upgrades 1st/Front TR0120

Project Status: Design
Condition: Fair
Latitude / Longitude: 48.118685, -123.431363
Project Manager: Jonathan Boehme
Estimated Life: 40 years
Type: Safety

About the Project:

The project will install new signal control equipment and implement lead pedestrian intervals on 1st and Front street. The City has received HSIP grant funding.

Justification:

To improve traffic flow and safety along the corridor. This project is supported by the City's Local Road Safety Plan.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants	101,000	1,544,700						
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	22,500							
TOTAL	**$ 123,500**	**$ 1,544,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	103,500	1,564,700						
TOTAL	**$ 103,500**	**$ 1,564,700**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,668,200 **Estimated Total Design Cost: $600,000**

Estimated Personnel Hours for Project: 3,208 **Estimated Personnel Costs for Project: $215,902**

City Hall East Parking Lot LID TR1215

Project Status: Active
Condition: Fair
Latitude / Longitude: 48.1122430, -123.427812
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Restoration



About the Project:

This project will use LID techniques to manage stormwater on-site and restore the parking surface. In 2019, the City received a zero-match grant from Ecology to perform the design. In 2022, the City received a $1.005M construction grant from Ecology that required a 15% match from the City. Construction is scheduled for summer 2023.

Justification:

The current east lot at City Hall is wash boarding. The lot does not have any stormwater controls installed to prevent pollution from entering Peabody Creek. The lot is used by multiple events throughout the year and should be maintained for safety reasons.

Herrera Environmental Consultants was retained in 2020 to develop the 90% design and meet the water quality grant requirements for Ecology. The design was completed in 2021 and consists of using a rock ballast reservoir below previous pavement to detain runoff and control flow rates and bioretention to provide treatment.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund	$ 22,400	$ 98,300						
Grants	105,600	1,005,400						
Bonds								
General Fund								
Donations/Insurance Reim.								
REET 2		101,300						
TOTAL	**$ 128,000**	**$ 1,205,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	128,000	1,205,000						
TOTAL	**$ 128,000**	**$ 1,205,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,333,000 **Estimated Total Design Cost: $128,000**

Estimated Personnel Hours for Project: 1,671 **Estimated Personnel Costs for Project: $112,467**

Speed Feedback Sign Program TR0321

Project Status: Revolving
Condition: Fair
Latitude / Longitude: Various
Project Manager: Jonathan Boehme
Estimated Life: 20 years
Type: Safety

About the Project:

The project will install and maintain solar powered electronic speed signs at priority locations in the City.

Justification:

To improve safety on arterial streets.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund				30,000		30,000		
Donations/Insurance Reim.								
REET		30,000						
TOTAL	$ 0	$ 30,000	$ 0	$ 30,000	$ 0	$ 30,000	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		30,000		30,000		30,000		
TOTAL	$ 0	$ 30,000	$ 0	$ 30,000	$ 0	$ 30,000	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $90,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 374 **Estimated Personnel Costs for Project: $25,200**

1st/Front Pedestrian Enhancements TR0222

Project Status: Active
Condition: Fair
Latitude / Longitude: 48.118685, -123.431363
Project Manager: Jonathan Boehme
Estimated Life: 30 years
Type: Safety

ABOUT THE PROJECT:

This project will conduct a crossing study along the corridors of E 1st St, Front St, and Marine Dr. The crossing study will be utilized to identify locations to receive and implement enhanced crossing treatments. Treatments include but not limited to rectangular rapid flashing beacons (RRFBs), curb extension, advanced signage, channelization. A total of eight intersections are assumed to be part of the scope of the project, but additional crossings may be added if resources allow, following the site study.

Existing curb ramps within the identified crossing locations of the project to receive enhanced treatment that are not ADA compliant will be brought up to compliance. The City has obtained a HISP grant.

JUSTIFICATION:

This project addresses safety concerns for pedestrians along these corridors with a history of noted crashes as well as future risk of crashes at marked and unmarked crossings. 1st and Front Streets are high volume corridors with a mixture of vehicle types from passenger vehicles to heavy trucks. In addition, the corridor serves Clallam Transit. This project is supported by the City's Local Road Safety Plan.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants		200,000		1,000,000				
Bonds								
General Fund				60,000				
Donations/Insurance Reim.								
REET		20,000						
TOTAL	$ 0	$ 220,000	$ 0	$ 1,060,000	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		220,000		1,060,000				
TOTAL	$ 0	$ 220,000	$ 0	$ 1,060,000	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $1,280,000 **Estimated Total Design Cost: $220,000**

Estimated Personnel Hours for Project: 2,662 **Estimated Personnel Costs for Project: $179,200**

Traffic Signal Interconnect/Preemption TR1399

Project Status: Planning
Condition: Fair
Latitude / Longitude: Various Locations
Project Manager: Jonathan Boehme
Estimated Life: 25 Years
Type: Mobility

ABOUT THE PROJECT:

The project will upgrade the signal controls south of 1st street.

JUSTIFICATION:

Currently, within the City, there are three different signal controller types. Many of the signal controllers have exceeded their life expectancy and are in need of replacement. Upgrading these to a similar type allows them to be interconnected to achieve signal progression.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET 2	60,000	300,000	300,000	100,000	100,000			
TOTAL	**$ 60,000**	**$ 300,000**	**$ 300,000**	**$ 100,000**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	26,700	333,300	300,000	100,000	100,000			
TOTAL	**$ 26,700**	**$ 333,300**	**$ 300,000**	**$ 100,000**	**$ 100,000**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $860,000 **Estimated Total Design Cost: $60,000**

Estimated Personnel Hours for Project: 1,733 **Estimated Personnel Costs for Project: $116,662**

8th/10th Street Bike Lanes TR0318

Project Status: Planning
Condition: Fair
Latitude / Longitude: 48.1218317, -123.4671465
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Pedestrian / Bike

ABOUT THE PROJECT:

Bike lanes and shared route from 10th and "I" to 8th and "A" using existing road network. Project dependent on obtaining grant funding through WSDOT Bike & Pedestrian Grant.

JUSTIFICATION:

Complete the multi-modal gap in east/west travel between 8th Street Bridges and ODT to improve safety for bicyclists.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants			170,000	1,789,000				
Bonds								
General Fund								
Donations/Insurance Reim.								
REET 2			30,000					
TOTAL	**$ 0**	**$ 0**	**$ 200,000**	**$ 1,789,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			200,000	1,789,000				
TOTAL	**$ 0**	**$ 0**	**$ 200,000**	**$ 1,789,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,989,000 **Estimated Total Design Cost: $30,000**

Estimated Personnel Hours for Project: 4,137 **Estimated Personnel Costs for Project: $278,460**

"N" Street Solar Speed Display TR1020

Project Status: Planning
Condition: Poor
Latitude / Longitude: 48.130218, -123.480872
Project Manager: Jonathan Boehme
Estimated Life: 20 Years
Type: Safety

ABOUT THE PROJECT:

The project will install solar powered electronic speed signs on "N" Street.

JUSTIFICATION:

To improve safety on this arterial street.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	30,000							
TOTAL	$ 30,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		30,000						
TOTAL	$ 0	$ 30,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $30,000
Estimated Total Design Cost: NONE
Estimated Personnel Hours for Project: 125
Estimated Personnel Costs for Project: $8,400

1st/2nd/Valley/Oak Green Alley TR0416

Project Status: Planning
Condition: Poor
Latitude / Longitude: 48.120439, -123.438569
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration



ABOUT THE PROJECT:

Repair pavement and stormwater connections in this alley. Alley paving funds will be used for match to the Stormwater LID grant. Project dependent on obtaining grant funding.

JUSTIFICATION:

The pavement has failed in this alley and inadequate stormwater connections contribute to wet weather combined sewer overflow events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund	$ 20,000	$ 11,900	$ 100,000					
Grants			450,000					
Bonds								
General Fund								
Donations/Insurance Reim.								
REET								
TOTAL	**$ 20,000**	**$ 11,900**	**$ 550,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	22,200	9,700	550,000					
TOTAL	**$ 22,200**	**$ 9,700**	**$ 550,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $581,900 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 2,328 **Estimated Personnel Costs for Project: $156,716**

Traffic Safety Camera Program TR0919

Project Status: Planning
Condition: Fair
Latitude / Longitude: Various Locations
Project Manager: Jonathan Boehme/Brian Smith
Estimated Life: 20 years
Type: Safety

ABOUT THE PROJECT:

Implement a traffic safety camera program which includes cameras in school zones and certain intersections. The first phase of the project in 2020 will include the City installing flashing school beacons around Franklin Elementary and entering into an agreement with a Traffic Camera firm to provide cameras and enforcement functions. Its anticipated that revenues derived from this initial deployment would fund additional school zone systems and red light cameras. Potential school zone deployments include: Jefferson Elementary, Hamilton Elementary, Port Angeles High School, and Stevens Middle School. Potential additional red light camera locations include: Race Street at Lauridsen Blvd, and Hwy 101 at Golf Course.

JUSTIFICATION:

Improve traffic and school zone safety and compliance with traffic laws.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** Other	35,000							
TOTAL	$ 35,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

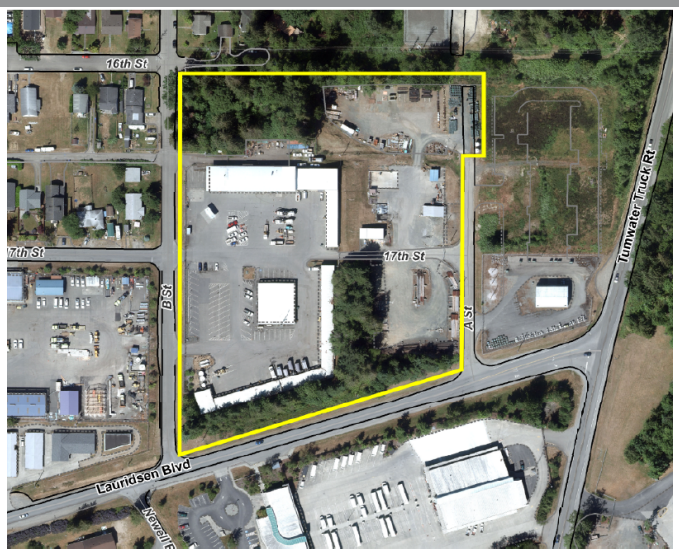
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			35,000					
TOTAL	$ 0	$ 0	$ 35,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $35,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 146 **Estimated Personnel Costs for Project: $9,800**

PROJECT STATUS: PLANNING
CONDITION: FAIR
LATITUDE / LONGITUDE:
PROJECT MANAGER: JONATHAN BOEHME
ESTIMATED LIFE:



ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Transportation funds contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Stormwater (DR0121), Wastewater (WW0121), and from the Water fund (WT0321) in the amount of $10,000 to equal a total amount of $50,000.

JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	9,000	1,000						
Donations/Insurance Reim.								
Other								
TOTAL	**$ 9,000**	**$ 1,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

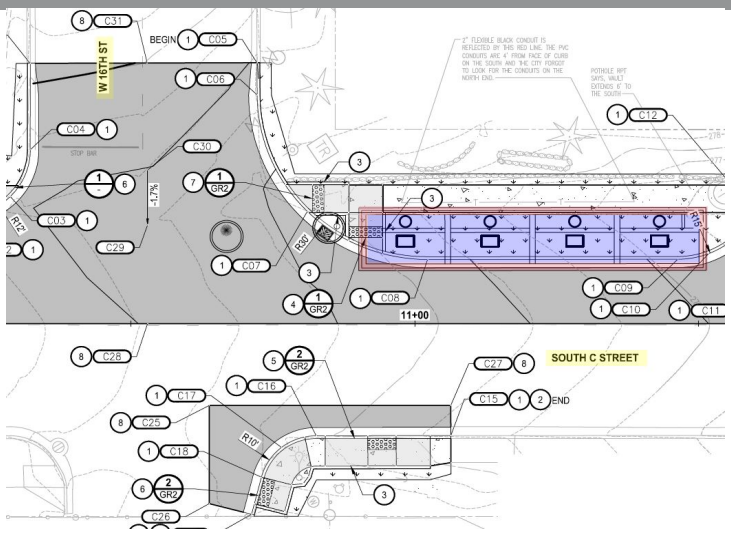
EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		10,000						
TOTAL	**$ 0**	**$ 10,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $10,000
Estimated Total Design Cost: $10,000
Estimated Personnel Hours for Project: 21
Estimated Personnel Costs for Project: $1,400

16th Street Stormwater Retrofit - "C" to "E" Streets

TR0715



Project Status: Design
Condition: Fair
Latitude / Longitude: 48.113367, -123.463338
Project Manager: Jonathan Boehme
Estimated Life: 40 years
Type: Restoration

ABOUT THE PROJECT:

This project will use retrofit techniques to add treatment to existing stormwater infrastructure between "C" and "E" Streets. Department of Ecology (ECY) offered the City a grant with no match requirements for project design. Parametrix was retained in 2020 to assist the City in developing the design. Design was completed in 2022. In early 2023 Ecology preliminarily awarded the project a $1.49M construction grant requiring a 10% match from the City. Grant negotiations and execution are expected to take place in 2023.

JUSTIFICATION:

Stormwater in the basin runs to Tumwater Creek, a 303d listed for water quality impairment. Stormwater from this arterial roadway is unmanaged and tributary to Tumwater Creek.

During design, due to site constraints, the project extent was narrowed from "C" Street - "L" Street down to just the eastern half of 16th Street and LID was replaced with retrofit stormwater media filters installed into the existing collection and conveyance system at "C," "D," and "E" Street intersections. The image above is a plan view of the proposed treatment facility at C & 16th Street that would provide treatment to approximately 17 acres of tributary area before conveyance to Tumwater Creek.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Stormwater Fund			$ 60,000	$ 180,000				
Grants	146,600	20,400	30,000	1,461,000				
Bonds								
General Fund								
Donations/Insurance Reim.								
REET 2		10,000						
TOTAL	**$ 146,600**	**$ 30,400**	**$ 90,000**	**$ 1,641,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	146,600	30,400	90,000	1,641,000				
TOTAL	**$ 146,600**	**$ 30,400**	**$ 90,000**	**$ 1,641,000**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**	**$ 0**

Estimated Total Project Cost: $1,908,000 **Estimated Total Design Cost: $267,000**

Estimated Personnel Hours for Project: 2,442 **Estimated Personnel Costs for Project: $164,397**

School Area Speed Signs (Near Franklin) TR1116

Project Status: Planning
Condition: Fair
Latitude / Longitude: 48.103628, -123.423178
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Safety

ABOUT THE PROJECT:

The project will install electronic speed signs near Franklin Elementary School.

JUSTIFICATION:

Improve safety near school.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			50,000					
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			50,000					
TOTAL	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $50,000
Estimated Total Design Cost: NONE
Estimated Personnel Hours for Project: 104
Estimated Personnel Costs for Project: $7,000

Intersection Control Study TR0322

Project Status: Planning
Condition: Fair
Latitude / Longitude: City wide
Project Manager: Jonathan Boehme
Estimated Life: 10 Years
Type: Safety

About the Project:

The City has a number of uncontrolled intersections. This study will provided recommendations on methods to improve safety at those intersections, estimate initial capital costs to implement the preferred plan, long term maintenance costs and required additional operational staff to implement. Funding scenarios will be prepared for the preferred alternatives. The study results will be used to scope and implement the unfunded project TR1316 Traffic Control.

Justification:

Employ traffic control devises at uncontrolled intersections to reduce the number a severity of accidents.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			50,000					
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			50,000					
TOTAL	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $50,000 **Estimated Total Design Cost: $50,000**

Estimated Personnel Hours for Project: 208 **Estimated Personnel Costs for Project: $14,000**

PROJECT STATUS: PLANNING
CONDITION: FAIR
LATITUDE / LONGITUDE: 48.115501, -123.439462
PROJECT MANAGER: JONATHAN BOEHME
ESTIMATED LIFE: 50 YEARS
TYPE: SAFETY

ABOUT THE PROJECT:

The project will install mini-roundabouts at 4 way unsignalized intersections on priority corridors located one block off City arterials. Initial locations include south Laurel, 6th street, and east 2nd street. Project is dependent on receiving grant funding.

JUSTIFICATION:

A crash analysis has shown a pattern of accidents in these types of intersections. This project will increase safety and provide traffic calming on these residential streets. Funding for this project depends on receiving a grant. Project is identified in the City's Local Road Safety Plan.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants				180,000		1,400,000		
Bonds								
General Fund				20,000		100,000		
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 0	$ 200,000	$ 0	$ 1,500,000	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				200,000		1,500,000		
TOTAL	$ 0	$ 0	$ 0	$ 200,000	$ 0	$ 1,500,000	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $1,700,000 **Estimated Total Design Cost: $200,000**

Estimated Personnel Hours for Project: 3,328 **Estimated Personnel Costs for Project: $224,000**

Wayfinding & ODT Signage TR0909

Project Status: Design
Condition: Fair
Latitude / Longitude: 48.1122430, -123.4278120
Project Manager: Jonathan Boehme/Ben Braudrick
Estimated Life: 20 Years
Type: Civic Improvement

ABOUT THE PROJECT:

Specific to the wayfinding efforts, the following items will occur within the first year: update the sign design pallet, increase the variety of sign types within the plan, improve materials for long-term maintenance, and initial installation at defined key locations. The second year would be to complete installation of the plan. Specific to the heritage tourism signage efforts, the following items will occur within the first year: Identify sites, design and number of signs. The second year would be installation of the plan and introduction of a mobile tour component. Ongoing operating costs of sign plan will be funded through Lodging Tax. $200,000 is unfunded at this time and will come forward for lodging tax consideration in future years.

JUSTIFICATION:

Directional signage in the City takes on many forms with no consistency and this results in confusion and frustration by its users. The City can promote tourism by distributing information for the purpose of welcoming and supporting the visitors to the community. An updated Wayfinding Plan will eliminate that inconsistency. The current Wayfinding Plan was created in 2012 and never fully implemented. Prototypes of the original plan identified problems with design and maintenance. Existing interpretive signs along the ODT need to be replaced because they are either aged or vandalized.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Lodging Tax	200,000							
TOTAL	$ 200,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs	40,600		159,400					
TOTAL	$ 40,600	$ 0	$ 159,400	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $400,000 **Estimated Total Design Cost: $62,000**

Estimated Personnel Hours for Project: 332 **Estimated Personnel Costs for Project: $22,316**

Valley Street Culvert Crossing TR0421






Project Status: Pre-Planning
Condition: Fair
Latitude / Longitude: 48.114320 / -123.445981
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration

ABOUT THE PROJECT:

The project will start with an alternative analysis to determine the preferred method to address the failing bridge, alternatives to consider include bridge replacement, and property acquisition and bridge removal. Should replacement be warranted, the project will remove and replace the expired and antiquated Valley Creek Bridge with a new concrete box culvert designed to meet modern fish-passage requirements. The bridge provides sole access to properties and residences on the east side of Valley Creek. It is unknown if this project could qualify for grant funding as a fish passage project. A review of potential grant opportunities is proposed in the near future.

JUSTIFICATION:

The existing culvert is unable to adequately convey Valley Creek's seasonal high-water flow. During a back-water event, water is pushed between the culvert and the bridge deck undermining the roadbed and destabilizing the bridge supports. Annual maintenance and repair work performed by Operations Staff can only temporarily extend the life of the facility. Bridge failure would cut-off access to four single family homes residing on the east side of the Creek. An additional environmental benefit would be achieved as the expended and outdated culvert would be removed or if determined in the alternative analysis be replaced with a box culvert designed to meet all modern fish-passage minimum standards.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN					
			2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants					100,000		1,200,000	
Bonds								
General Fund								
Donations/Insurance Reim.								
REET				50,000			200,000	
TOTAL	$ 0	$ 0	$ 0	$ 50,000	$ 100,000	$ 0	$ 1,400,000	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				50,000	100,000		1,400,000	
TOTAL	$ 0	$ 0	$ 0	$ 50,000	$ 100,000	$ 0	$ 1,400,000	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $1,550,000 **Estimated Total Design Cost: $150,000**

Estimated Personnel Hours for Project: 2,149 **Estimated Personnel Costs for Project: $144,667**

Lauridsen Boulevard Flashing Beacons TR0920

Project Status: Planning
Condition: Fair
Latitude / Longitude: 48.106475, -123.438422
Project Manager: Jonathan Boehme
Estimated Life: 20 years
Type: Safety

About the Project:

Install flashing beacons at crosswalk locations along Lauridsen Boulevard. The three locations are Chase, Peabody, and Eunice Streets. Refuge islands were installed during the HMA overlay project in 2019.

Justification:

Flashing beacons provide increased visibility at pedestrian crosswalks. These three crosswalk locations are highly used due to their location near Jefferson Elementary School, the public library, and the housing authority.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET 2				40,000				
TOTAL	$ 0	$ 0	$ 0	$ 40,000	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				40,000				
TOTAL	$ 0	$ 0	$ 0	$ 40,000	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $40,000 **Estimated Total Design Cost: NONE**

Estimated Personnel Hours for Project: 166 **Estimated Personnel Costs for Project: $11,200**

Marine Drive Bulkhead Repairs TR1109



Project Status: Pre-Planning
Condition: Fair
Latitude / Longitude: 48.124866627, -123.453931331
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Restoration

ABOUT THE PROJECT:
The project will start with an alternative analysis to determine the preferred method to repair or replace the wooden bulkhead and repair the walkway adjacent to Marine Drive along the Port Angeles Marina between B and E streets. The bulkhead is failing due to age, storm and water damage. The initial agreement with the Port of Port Angeles, presented to Council in 2013, indicated cost sharing of the match portion with the Port for a STP design/ construction grant. The City proposes to work on the project for the Port of Port Angeles, but the Port will provide the match to STP funds. Due to the high cost of fixing the entire length of the bulkhead, an analysis will compare the benefit/costs of fixing the most deteriorated areas compared to a full scale replacement. The initial analysis will occur prior to TR0221 Marine Dr Paving to determine if coordination of these projects is feasible. Design and construction is unfunded at an estimated $2.95 million.

JUSTIFICATION:
Erosion could cause the failure of the wall with loss of this section of the Olympic Discovery Trail, impacts to the Marina, and traffic impacts.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	6,200		43,800					
Donations/Insurance Reim.								
Other								
TOTAL	$ 6,200	$ 0	$ 43,800	$ 0	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs			50,000					
TOTAL	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $3,000,000 **Estimated Total Design Cost: $500,000**

Estimated Personnel Hours for Project: 208 **Estimated Personnel Costs for Project: $14,000**

Signal Controller Upgrades 1st/Front Phase 2

TR0423

Project Status: Design
Condition: Fair
Latitude / Longitude: 48.118685, -123.431363
Project Manager: Jonathan Boehme
Estimated Life: 40 years
Type: Safety

About the Project:

The project will be phase 2 of the signal control equipment upgrades and implement lead pedestrian intervals on 1st and Front street. The project is dependent on receiving grant funding.

Justification:

To improve traffic flow and safety along the corridor. This project is supported by the City's Local Road Safety Plan.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants				3,000,000				
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
TOTAL	$ 0	$ 0	$ 0	$ 3,000,000	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs				3,000,000				
TOTAL	$ 0	$ 0	$ 0	$ 3,000,000	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $3,000,000

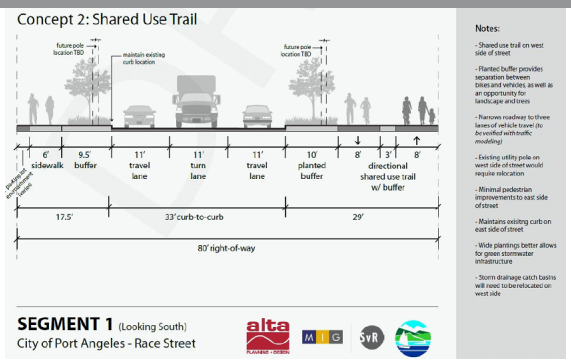
Estimated Total Design Cost: $300,000

Estimated Personnel Hours for Project: 4,160

Estimated Personnel Costs for Project: $280,000

Race Street Complete Design & Construction Phase 2

TR0619



Project Status: Design
Condition: Fair
Latitude / Longitude: 48.109905298, -123.421770572
Project Manager:
Shannen Cartmel/Jonathan Boehme
Estimated Life: 80 years
Type: Civic Improvement

About the Project:

Improvements include the installation of a shared-use trail, pedestrian safety enhancements, plantings and pavement restoration along Race Street between the project extents of Front Street south to the Olympic National Park Visitor and Wilderness Information Center. A Federal Lands Access Program (FLAP) design grant was used in phase 1. A FLAP construction grant has also been secured for phase 2 in the amount of $2.0 million. Other grants are under consideration: Surface Transformation Program Funds (STP) for design and Washington State Recreation and Conservation Office Washington Wildlife Recreation Program Trails (RCO WWRP Trails) grant for construction to cover the matches of the previously mentioned federally dispersed funds. Additional funds to complete the project through grants is necessary and anticipated. The total cost of Phase 2 Design and Construction is about $6 million. The project will be constructed in phases, with the first phase being completed in 2023, phase 2 being completed in 2025 and phase 3 being completed in 2027. Phase 3 construction is currently unfunded and estimated to be about $3 million.

Justification:

The Race Street Corridor is an important gateway for the City of Port Angeles and Olympic National Park, and one of the City's most active arterials. The second phase of a three-phase project will continue work on link between Olympic National Park Visitor Center and the Waterfront and Olympic Discovery Trail to facilitate cyclists traveling in this corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund								
Grants		150,000	600,000	3,270,000				
Bonds								
General Fund								
Donations/Insurance Reim.								
REET		100,000						
TOTAL	$ 0	$ 250,000	$ 600,000	$ 3,270,000	$ 0	$ 0	$ 0	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs		250,000	600,000	3,270,000				
TOTAL	$ 0	$ 250,000	$ 600,000	$ 3,270,000	$ 0	$ 0	$ 0	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $6,120,000
Estimated Total Design Cost: $850,000
Estimated Personnel Hours for Project: 4,285
Estimated Personnel Costs for Project: $288,400

Sidewalks & Paving for Mt Angeles Road & Porter Street

TR0819

Project Status: Pre-Planning
Condition: Poor
Latitude / Longitude: 48.09969 -123.419083
Project Manager: Jonathan Boehme
Estimated Life: 80 years
Type: Pedestrian / Bike

ABOUT THE PROJECT:

Sidewalks along Porter Street and Mt Angeles Road do not currently exist. These are walking routes to Peninsula College, Franklin Elementary School, the Boys & Girls Club and Port Angeles High School. Install sidewalks, with curb ramps and asphalt on designated school walking routes from Eckert North to Park Ave on both Porter Street and Mt Angeles Road. Subject to Safe Route to School grant funding and complete streets funding. Estimated at a cost of $300,000 per block (estimate), approximately $3.0 million in total costs.

JUSTIFICATION:

Increase safety for all when accessing schools and the city.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2023	CAPITAL FACILITIES PLAN 2024	2025	2026	2027	2028	2029
Reserves Utilities Fund **Grants** **Bonds** **General Fund** **Donations/Insurance Reim.** REET							3.000.000	
TOTAL	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 3.000.000	$ 0

EXPENDITURES	Prior	2023	2024	2025	2026	2027	2028	2029
Capital Costs							3,000,000	
TOTAL	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 3.000.000	$ 0

OTHER OPERATING COSTS	Prior	2023	2024	2025	2026	2027	2028	2029
Other								
TOTAL OTHER COSTS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Estimated Total Project Cost: $3,000,000
Estimated Total Design Cost: $300,000
Estimated Personnel Hours for Project: 4,160
Estimated Personnel Costs for Project: $280,000

TRANSPORTATION
UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

Waterfront Redevelopment Phase III — TR0113

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.121773286, -123.434915540
Project Manager: Shannen Cartmel/Jonathan Boehme
Estimated Life: 100 Years
Type: Civic Improvement
Estimated Total Project Cost: $20,000,000

About the Project:

Part of the Waterfront and Transportation Improvement plan included reconfiguring the eastern portion of Railroad Avenue to match the existing Waterfront Development project. This project includes expansion of the Hollywood Beach Area, continuation of the Olympic Discovery Trail, and upgrading the City Pier.

Justification:

Per the Comprehensive Plan, this will provide a beautiful entrance to our City, along with improved beaches and walking trails.

18th Street Bike Accessibility — TR1016

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.121888, -123.490203
Project Manager: Jonathan Boehme
Estimated Life: 80 Years
Type: Pedestrian / Bike
Estimated Total Project Cost: $1,000,000

About the Project:

This project will construct a shared use path along 18th Street from Lincoln Park to Milwaukee Drive and the Olympic Discovery Trail.

Justification:

Improve bike and pedestrian safety and connect Lincoln Park to Olympic Discovery Trail.

Caroline Street Slide Repair TR0212



Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.115164554, -123.411934595
Project Manager: Jonathan Boehme
Estimated Life: 80 years
Type: Restoration
Estimated Total Project Cost: $375,000

About the Project:
Purchase land for new roadway and abandon existing Caroline and Eunice Streets due to unsafe hillsides. The costs include further geotechnical investigation, permitting, design and purchasing property for a new roadway.

Justification:
Heavy rains caused the slope instability. Continued slope failure from natural processes will ultimately make the roadway unusable. Funding has not been identified.

1st, Front & Race Street Crossings TR1009

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.113464094, -123.418543340
Project Manager: Shannen Cartmel
Estimated Life: 80 years
Type: Pedestrian / Bike
Estimated Total Project Cost: $423,000

About the Project:
Create pedestrian oriented crossings at First and Front Streets where it intersects with Race Street. Design was completed during the WTIP planning in 2012 and expensed in 2013.

Justification:
The improvements would allow for safer pedestrian crossing and create a more attractive streetscape.

Nancy Lane Pavement TR0516

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.101986, -123.403181
Project Manager: Jonathan Boehme
Estimated Life: 80 years
Type: Restoration
Estimated Total Project Cost: $200,000

ABOUT THE PROJECT:
The project will rebuild Nancy Lane.

JUSTIFICATION:
Pavement has failed and potholes and rutting have developed.

Valley Creek Trail Loop TR0506

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.113217680, -123.446798801
Project Manager: Shannen Cartmel/Jonathan Boehme
Estimated Life: 80 Years
Type: Pedestrian / Bike
Estimated Total Project Cost: $100,000

ABOUT THE PROJECT:
Construction of a trail extending south from the Waterfront Trail utilizing Valley and Peabody Creek corridors. These would be connected with two or more cross over opportunities, possibly at Park Avenue or Old Mill Road.

JUSTIFICATION:
Provide additional nature trails within the City. Additional funding has not been identified.

Alternate Cross-Town Route Study TR0208

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: 48.103560747, -123.42000246
Project Manager: Shannen Cartmel/Jonathan Boehme
Estimated Life: 80 Years
Type: Mobility
Estimated Total Project Cost: $220,000

ABOUT THE PROJECT:
Hire a qualified traffic engineer to conduct a transportation study to evaluate and determine appropriate alternatives for both short and long term crosstown routes. $220,000 is currently unfunded for design costs only. In 2014-2015, the WTIP study spent $64,072 in preliminary review of the project which was expensed in 2015. In 2019, a crossing of White Creek was added as an alternative for consideration.

JUSTIFICATION:
The following issues have been identified as areas of critical concern that justify the need for additional cross town routes: trucks downtown, urban development limit, moving local traffic, safety at Deer Park, safety at Morse Creek, emergency & natural disasters, and eastside bottleneck. Presently only one route exists due to bluff and creek crossings.

Traffic Control TR1316

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: Multiple locations
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Safety
Estimated Total Project Cost: $300,000

ABOUT THE PROJECT:
This project will install stop signs, yield signs or traffic circles at uncontrolled intersections.

JUSTIFICATION:
Provide traffic control at uncontrolled intersections to reduce the number and severity of accidents.

Zig-Zag at Oak Street TR1018

Project Status: Unfunded
Present Condition: Poor
Latitude / Longitude: Multiple locations
Project Manager: Jonathan Boehme
Estimated Life: 50 Years
Type: Civic Improvement
Estimated Total Project Cost: $600,000

ABOUT THE PROJECT:
Replacement of Zig-Zag Ramp at Oak Street from the top of the bluff to downtown with easy to maintain materials.

JUSTIFICATION:
The condition of the zig-zag is questionable, which will increase costly maintenance and repairs.

First & Front Street Decoupling TR0719

Project Status: Unfunded
Present Condition: Fair
Latitude / Longitude: 48.113087, -123.418365
Project Manager: Jonathan Boehme/Shannen Cartmel
Estimated Life: 80 Years
Type: Civic Improvement
Estimated Total Project Cost: Unknown

ABOUT THE PROJECT:
Perform traffic study and public outreach regarding the proposed decoupling of the 1st and Front Street one-way couplets to return each street to a two-way operation and designate 1st Street as State Route 101. This change will create a safer environment for non-motorized and pedestrian traffic attempting to cross the street; reduce barriers for pedestrians; provide better access for businesses and homes located along the decoupled corridor; and initiate the redevelopment of Front Street as a collector arterial with parking, bicycle lanes and land uses geared more toward pedestrian activities and mixed density housing. The project will need to consider traffic impacts to vehicular movement through the city and may require additional capacity projects to mitigate the effects of the decoupling. Consideration should also include analysis of resultant City street maintenance costs.

JUSTIFICATION:
This change will create a safer environment and reduce barriers for non-motorized and pedestrian traffic and provide better access for businesses and homes located along the decoupled corridor; and initiate the redevelopment of Front Street.

"I" to "M" Street Paving & Sidewalk LID TR0521

Project Status: Unfunded
Present Condition: Fair
Latitude / Longitude: Multiple locations
Project Manager: Jonathan Boehme
Estimated Life: 50 years
Type: Restoration
Estimated Total Project Cost: $2,000,000

About the Project:
Create a local improvement district to pave gravel roads between I St and M Street and 10th and 12th Streets. Scope of work will include suburban street standard with HMA, sidewalk, ditches.

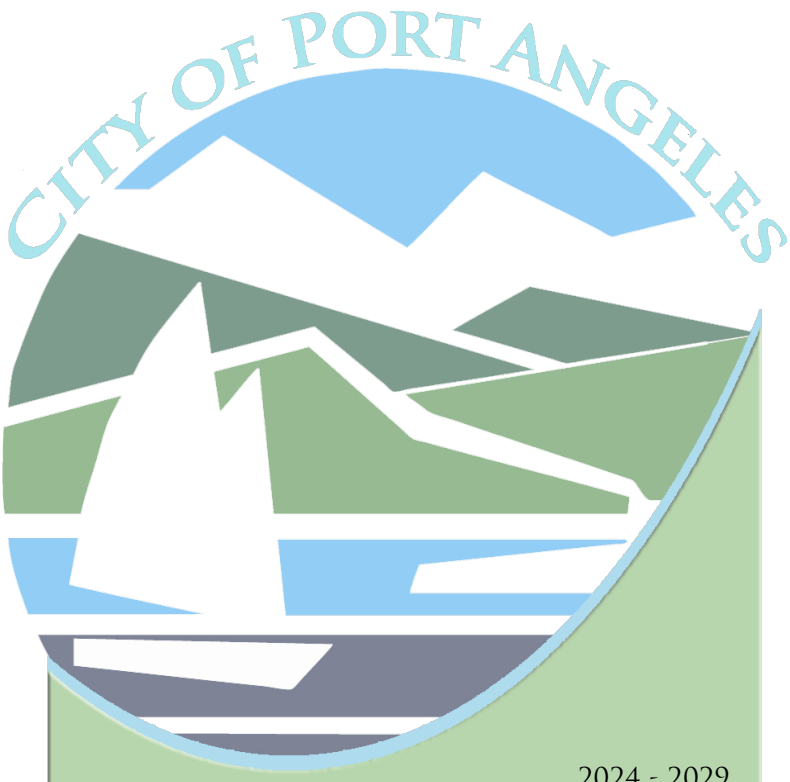
Justification:
These blocks have gravel surfacing which leads to dust in the summer and potholes in the winter.

Gales Addition Connector Planning TR0721

Project Status: Unfunded
Present Condition: Fair
Latitude / Longitude: Unknown
Project Manager: Shannen Cartmel/Jonathan Boehme
Estimated Life: 50 Years
Type: Pedestrian / Bike
Estimated Total Project Cost: Unknown

About the Project:
The City has identified a need for a plan for an additional alternate route for the Olympic Discovery Trail in the event of a large and lengthy closure of the waterfront portion of the trail. This project is just to explore the options and needs for such an alternate route and allow for connection from the Gales Addition to the trail.

Justification:
The addition of an alternate multipurpose trail will allow continued access along the peninsula.


CITY OF PORT ANGELES
2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

2022 COMPLETED PROJECTS



2022 COMPLETED PROJECTS - GOVERNMENTAL PROJECTS

GENERAL GOVERNMENT CAPITAL PROJECTS

PROJECTS COMPLETED IN 2022		Actual	Budget
PD0116	Mobile Data Terminal Replacements	21,088	18,800
PD0307	Police Regional Training & Gun Range Facility	4,145	32,000
PD0119	Computer Aided Dispatch	136,522	145,100
FD0615	Fire Hoses	4,698	6,100
FD0318	Emergency Mgmt Pods	13,147	100,000
PD0120	Police Taser Replacement	48,307	40,300
PD0222	Pencom Radio/Phone Traffic Recording	33,925	31,500
PD0322	Pencom 911 Phone Equipment	178,652	153,000
PK0119	Erickson Playfield Pump Track	383,555	650,000
PK0205	Restroom Replacement Revolving Fund	727,780	800,000
TOTAL COMPLETED PROJECTS		**1,551,818**	**1,976,800**

EQUIPMENT SERVICES

PROJECTS COMPLETED IN 2022	Actual	Budget
Equip Svc	20,617	261,500
Police	390,741	407,000
Fire	3,926	56,000
Parks	23,362	22,800
Street	260,325	607,200
Electric	45,176	134,600
Water	148,294	311,800
Solid Waste	2,597,239	3,544,500
TOTAL COMPLETED PROJECTS	**3,489,681**	**5,345,400**

TRANSPORTATION PROJECTS

PROJECTS COMPLETED IN 2022		Actual	Budget
TR0218	Lincoln Street Safety	459,744	499,100
TR0616	ADA - Francis Street	370,327	355,500
TR0621	Waterfront Trail Repairs	84,810	105,200
TOTAL COMPLETED PROJECTS		**914,881**	**959,800**

MEDIC 1

PROJECTS COMPLETED IN 2022		Actual	Budget
CAPM1	Medic 1 revolving	15,866	-
FD0118	Defibrillators	71,451	73,000
TOTAL COMPLETED PROJECTS		**87,317**	**73,000**

2022 COMPLETED PROJECTS - UTILITY PROJECTS

ELECTRIC PROJECTS

PROJECTS COMPLETED IN 2022		Actual	Budget
CLCAP	Distribution/Overhead/Poles/Yard lighting	96,735	150,000
CL0620	Electric Vehicle Charging Station	48,140	48,000
CL0919	"A" Street Substation Switchgear Replacement	297,639	500,000
TOTAL COMPLETED PROJECTS		**442,514**	**698,000**

WATER PROJECTS

PROJECTS COMPLETED IN 2022		Actual	Budget
CAPWT	General Water Equipment	1,685	50,000
WT0521	Water Main Replacement Village/Lind	122,326	122,400
TOTAL COMPLETED PROJECTS		**124,011**	**172,400**

WASTEWATER PROJECTS

PROJECTS COMPLETED IN 2022		Actual	Budget
CAPWW	Wastewater Treatment Equipment	67,600	129,900
TOTAL COMPLETED PROJECTS		**67,600**	**129,900**

INFORMATION TECHNOLOGY PROJECTS

PROJECTS COMPLETED IN 2022		Actual	Budget
IT0618	Virtual Server Replacements	149,892	150,000
TOTAL COMPLETED PROJECTS		**149,892**	**150,000**

SOLID WASTE PROJECTS

PROJECTS COMPLETED IN 2022		Actual	Budget
SW0421	Transfer Station	1,665,853	1,627,800
SW0117	Landfill Scale Software	187,774	184,000
TOTAL COMPLETED PROJECTS		**1,853,627**	**1,811,800**

STORMWATER PROJECTS

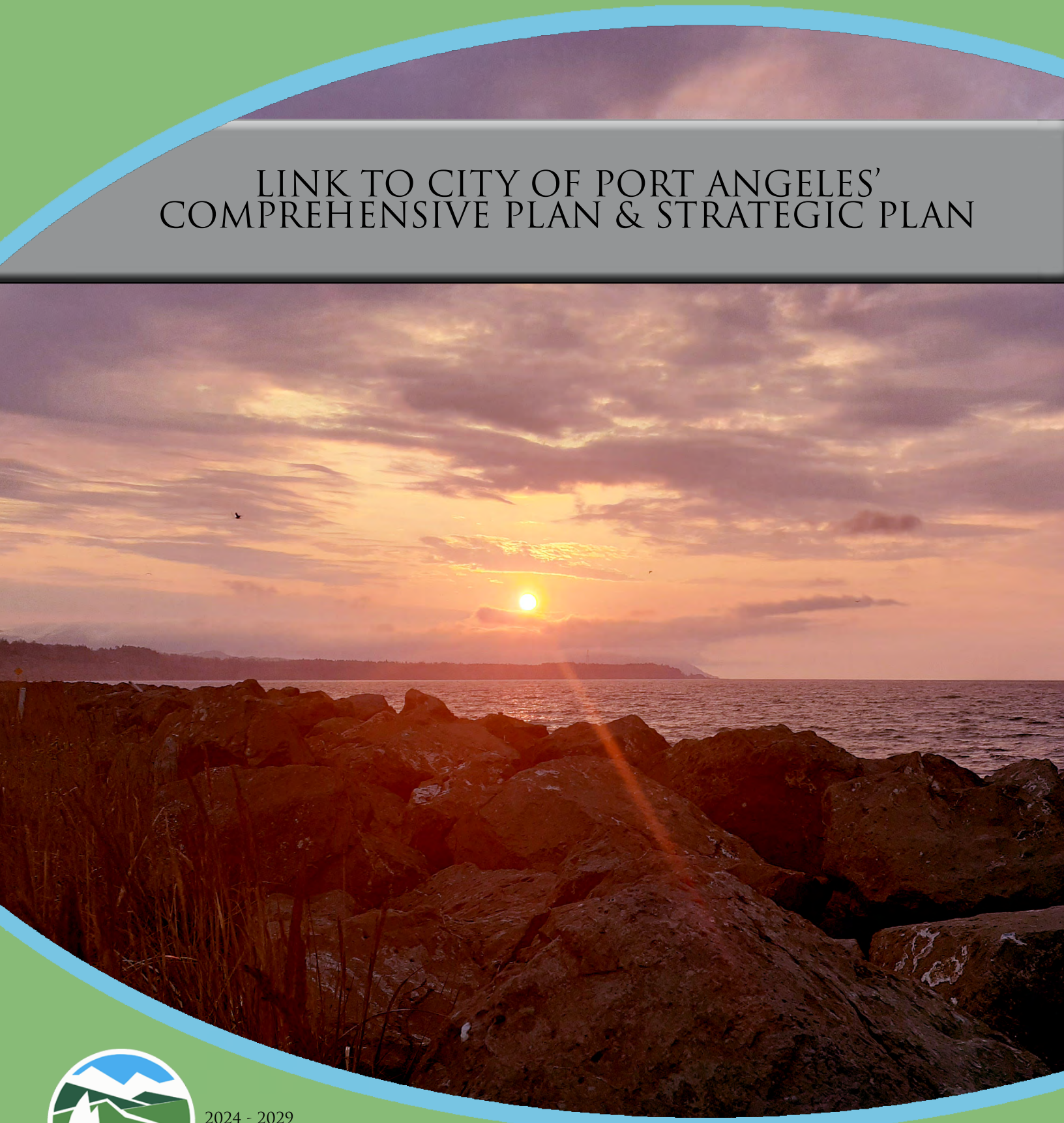
PROJECTS COMPLETED IN 2022		Actual	Budget
DR0119	N Street Outfall Improvement	444,096	482,500
TOTAL COMPLETED PROJECTS		**444,096**	**482,500**

TOTAL COMPLETED GOVERNMENTAL AND UTILITY PROJECTS	**9,125,435**	**11,799,600**

CITY OF PORT ANGELES

2024 - 2029
PRELIMINARY CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

LINK TO CITY OF PORT ANGELES' COMPREHENSIVE PLAN & STRATEGIC PLAN



LINK TO THE COMPREHENSIVE PLAN AND STRATEGIC PLAN

As part of the City's strategic planning process, the City Council adopted a Mission Statement to guide the community towards its preferred future. The statement reads:

> The City of Port Angeles is vibrant and prospering, nurturing a balance of innovation and tradition to create an environmentally, economically, and fiscally sustainable community, accepting and cherishing its social diversity, small-town character and natural setting.

The capital projects are compatible with the goals of the Comprehensive Land Use Plan, which is a general guide to location, character and land use, including the supporting infrastructure and public facilities.

In the following table you can reference the strategic goals achieved by completion of the project, and the comprehensive goal, and in some cases the comprehensive objective. The items being met are listed in the attached strategic plan approved by Council in 2021, and the comprehensive goals listed below:

- G-4A – To develop a coordinated, multimodal transportation system, which serves all areas of the city and all types of users in a safe, economical and efficient manner.
- G-4B – To improve circulation patterns across and within the community, and to achieve the desired urban design of the City.
- G-5D – To provide utility services in an efficient and cost-effective manner.
- G-9A – To create and maintain a balanced and stable local economy with full employment and emphasis on strengthening the community's traditional natural resource related industries as well as diversifying the overall economic base.
- G-10A – To acquire, develop, renovate, and maintain a system of parks, recreational facilities, and open spaces to ensure that the contributions of natural resources and recreation to human well-being are maintained and recognized as a value.
- G-10B – To enhance the quality of life in the community by providing facilities, services and programs that offer positive opportunities for building healthy, safe, and productive lives.
- G-10D – To provide a sustainable park system that meets the needs of the broadest segment of the population as possible by managing the city's available fiscal resources in a responsible manner.
- P4A.01 – Pedestrian, bicycle, and other non-motorized paths, bike racks, storage facilities, drinking fountains, and benches should be an integral part of the circulation system.
- P4A.02 – The safety of non-motorized modes of transportation shall be a primary consideration in the circulation system. Adequate sidewalks, crosswalks and handicapped access shall be provided in relation to all new subdivisions, and required for all development projects where sidewalks do not exist.
- P4A.03 – The collector arterial streets and local access streets should serve primarily local traffic with special emphasis on safety for pedestrian, bicycle, and non-motorized traffic.
- P4A.06 – The City should encourage development of low-carbon-impact transportation infrastructure.
- P4A.09 – The City should work to aid development of the Olympic Discovery Trail which passes through and along key parts of its park, street, pedestrian, and non-motorized transportation systems and facilities.

- P-4A.10 – The City should work to aid development of the Olympic Discovery Trail which passes through and along key parts of its park, street, pedestrian, and non-motorized transportation systems and facilities.
- P-4B.01 – Traffic flow modifications such as signalization, signing, parking restrictions, channelization, and one-way couplets should be made before physical alterations are made to existing streets.
- P-4B.06 – Alternate local cross-town route improvements should be given a high priority in capital facility planning.
- P-4B.18 – The development of the City's comprehensive service and facilities plan for streets, bikeways, pedestrian walkways, and the overall transportation system, and regional transportation plans should all be consistent. These plans, as adopted and hereafter amended, are incorporated herein.
- P-4B.23 – The City should include the development of Race Street intersections with Front and First Streets as architecturally significant National Park gateway in its plans for improvements to the Race Street corridor.
- P-5D.04 – The City should promote and encourage energy conservation, renewable energy, distributed energy generation, improved distribution efficiencies, and recycling efforts throughout the community. The City's own practices should serve as a model.
- P-10B.04 – The City should manage park facilities in a manner that will ensure public safety, keep the parks free of misuse to the greatest extent possible and result in a sustainable and resilient park system.

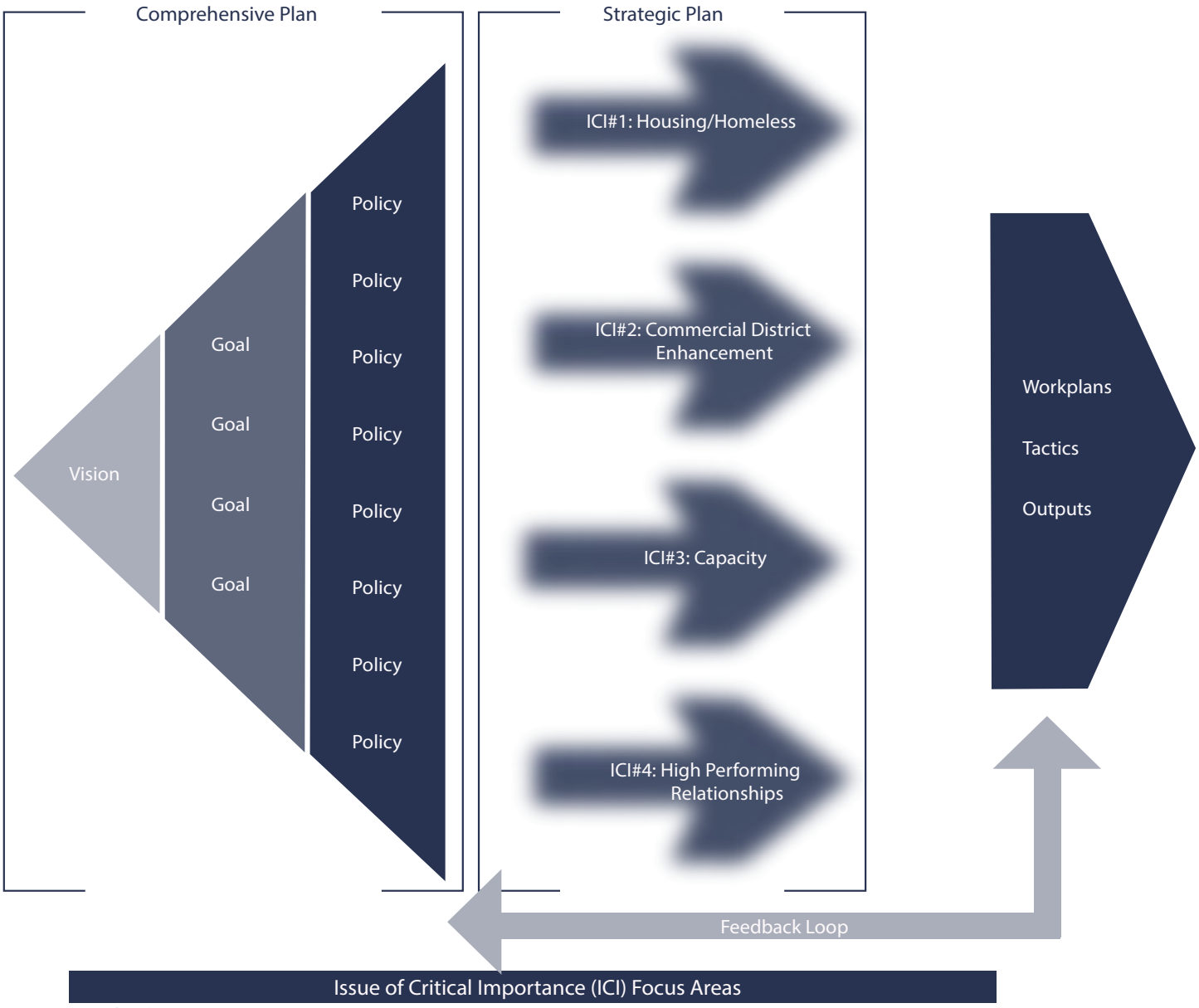
OBJECTIVES MET:

- O-4.01 Design and develop the following segments of the Olympic Discovery Trail:
    - Marine Drive to 10th Street
    - City Pier along Railroad Avenue to Laurel Street
    - Other segments as funding and opportunity provide, coordinated with the City's park, street and trail systems.
- O-4.02 – Identify funding and implementation strategies for the Valley Creek Loop Trail connecting the Valley and Peabody Creek corridors with the Foothills Trail system.
- O-4.03 – Review and update the City's Urban Services Standards and Guidelines, including direction for transportation facility improvement that:
    - Including bike path development and maintenance, signage, and storage.
    - Assess cost/benefits of bicycle-friendly infrastructure.
- O-4.06 – Develop a "Complete Streets" program for Port Angeles, helping identify travelways to accommodate all modes of transportation as appropriate for the needs and conditions of each neighborhood or district.
- O-4.04 – Review and update the City's Urban Services Standards and Guidelines, including:
    - Street trees
    - Art and creative community-oriented beautification efforts
    - Pedestrian and bicycle amenities
    - Sidewalks on both sides of streets
- O-4.08 – In coordination with the County, RTPO, and state and federal agencies, study a future U.S. Highway 101 corridor alignment including evaluation of the Heart of the Hills Parkway and Coastal Corridor concepts. (Route along Lauridsen Blvd. east of Race Street will not be considered).

CITY OF PORT ANGELES' STRATEGIC PLAN

Strategic Plan 2021 - 2022

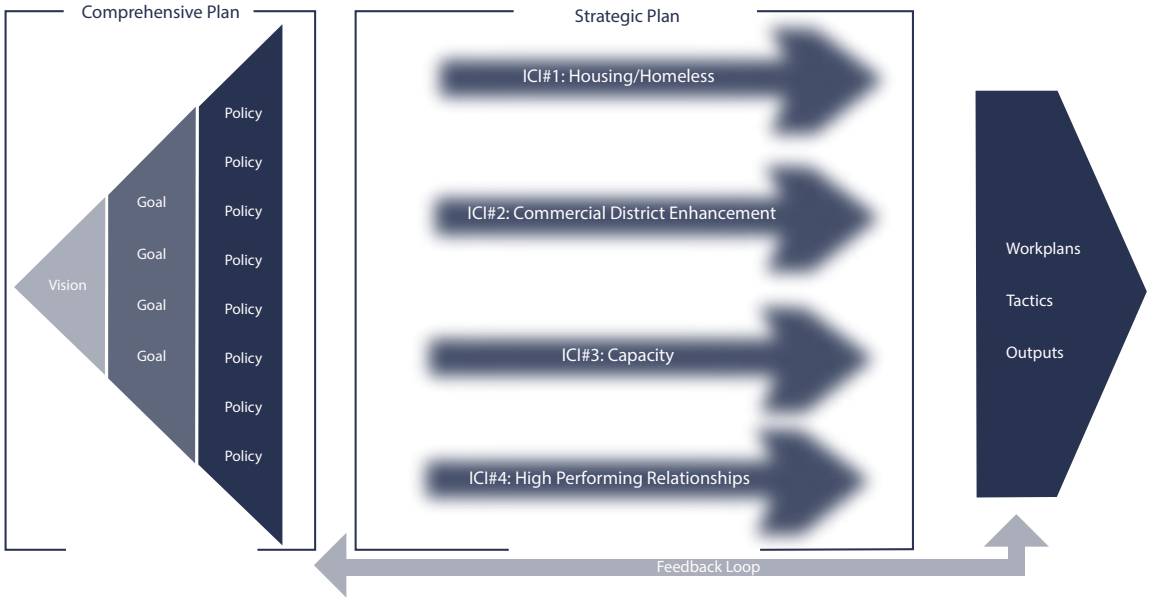
Exhibit A



***Pandemic Recovery**

GOAL: Recover from the Pandemic in a way that emphasizes partnerships, innovation, and growth as tools to meet the community's needs

Strategic Plan 2021 - 2022



Issues of Critical Importance (ICI)

***Pandemic Recovery**

GOAL: Recover from the Pandemic in a way that emphasizes partnerships, innovation, & growth as tools to meet the community's needs

ICI	Goals	Focus Areas
ICI#1: Housing/Homeless	Every PA resident has a safe and affordable place to live. • Take concrete steps to increase housing units of all types, with a particular focus on affordable and permanent supportive housing. • Provide appropriate services to our residents experiencing homelessness.	1. # and % increase in overall housing units 2. # of unhoused people moving to housing 3. Established land use plan and policies to meet housing needs for all demographics over next 20 of years 4. # of affordable units built 5. % of family income spent on housing and utilities 6. # of Community Paramedic contacts will have at least one (1) successful referral for needed services 7. % of new REdisCOVERY contacts will have at least one (1) successful referral to services 8. # of Senior meals served
ICI#2: Commercial District Enhancement	Prioritize business support through enhancement of our commercial districts: • Adopt and identify city actions to make downtown walkable, clean, safe and vibrant. • Prioritize multiple commercial centers while maintaining the multimodal needs of people and commerce.	1. Plan is accepted 2. City has implementation plan that compliments other plans 3. We have moved from planning to action 4. Businesses and residents are engaged in outcome 5. Infrastructure and policies that allow for multiple commercial centers to succeed
ICI#3: Capacity	Build capacity of the city to better meet the community's needs, invest in improvements, focus on improving economic outcomes and maintain what we have.	1. Stabilize revenue 2. Regional focus on success of local business (i.e. grow and retain current business, attract living wage jobs) 3. CFP backlog is reduced 4. Residents are more financially secure
ICI#4: High Performing Relationships	Prioritize focus on high performing relationships and partnerships so that the entire city will better achieve these goals - while increasing trust and cohesion for council, staff, and the broader community.	1. We are all focused (achieving) on the plan 2. Partners (i.e. business, nonprofit, tribal, advisory committees, residents, other governments) are at the table 3. We move at the speed of trust 4. Everyone is focused on strong relationships and partnerships 5. Community sees Port Angeles as a respectful team player

PROJECT CROSS REFERENCE TO THE COMPREHENSIVE PLAN AND STRATEGIC PLAN

PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
GENERAL GOVERNMENT/FACILITIES					
GG0303	NICE Program	Economic Dev	G-9A		ICI #1, ICI #3
GG1113	Facility Security Projects	Facility			ICI #3
GG0121	Broadband Improvement Feasibility Study	Feasibility			ICI #3, ICI #4
GG0119	Ennis Creek Fish Barrier Removal	Transportation			ICI #2, ICI #3
GG0416	City Hall Fire Detection System	Facility			ICI #3
GG0516	Senior Center Fire Detection System	Facility			ICI #3
GG0916	Valley Creek Restoration Phase III	Civic Improvement			ICI #3
PUBLIC SAFETY					
FD0415	Fire Dept Turn-Out Gear	Public Safety			ICI #2, ICI #3
FD0615	Fire Hoses	Public Safety			ICI #2, ICI #3
FD0218	Self Contained Breathing Apparatus	Public Safety			ICI #2, ICI #3
CAPPC	Pencom Capital	Public Safety			ICI #3, ICI #4
PD0307	Police Regional Training & Gun Range Facility	Public Safety			ICI #3
PD0116	Mobile Data Terminal Replacements	Public Safety			ICI #2, ICI #3
PD0120	Police Taser Replacements	Public Safety			ICI #2, ICI #3
PD0121	EOC/911 Dispatch (Pencom center)	Public Safety			ICI #3, ICI #4
FD0318	Emergency Management Pods	Public Safety			ICI #3
FD0315	Fire Station Garage Door	Facility			ICI #2, ICI #3
PD0122	Police Radio Replacement	Public Safety			ICI #3
PD0123	PenCom ROIP Project	Public Safety			ICI #3
PD0223	Police Body Worn Cameras	Public Safety			ICI #4
FD0121	West Side Fire Station	Public Safety			ICI #3
FD0120	Fire Station Front Driveway Repair	Facility			ICI #3
GG0616	Fire Hall HVAC	Facility			ICI #3
FD0216	Fire Training Facility	Public Safety			ICI #3
FD0316	Senior Center EOC Generator	Public Safety			ICI #3
FD0416	Radio Transmittor Generator	Public Safety			ICI #3
FD0123	SCBA Refill Compressor System	Public Safety			ICI #3
PARKS AND RECREATION					
PK0216	Facility Improvement Revolving Fund	Facility			ICI #3
PK0205	Restroom Replacement Program	Parks	G-10A; G-10B		ICI #3
PK0418	Civic Field Upgrades	Facility/Parks			ICI #3
PK0819	City Pier Railing Replacement	Transportation	G-10A , P-10B.04		ICI #3
PK0220	Synthetic Field Turf at Volunteer Field	Parks	P-10B.04		ICI #3
PK0719	Parks Maintenance Building	Facility/Parks			ICI #3
PK0519	City Pier Hillside Stabilization (Peabody Creek)	Transportation	P-10B.04		ICI #3
PK0316	Locomotive #4 Refurbishment	Civic Improvement			ICI #3
PK0320	HVAC Upgrades at City Facilities	Facility			ICI #3
PK0122	Erickson Playfield Tennis Court Improvement	Parks	G-10A; G-10B		ICI #3
PK0222	OVC Columbarium Expansion	Facility			ICI #3
PK0123	Elks Pickleball Court Improvements	Parks	G-10A; G-10B		ICI #3
PK0223	Aluminum Bleacher Upgrades	Parks	G-10A; G-10B		ICI #3
PK0323	Senior Center Front Door Replacement	Facility			ICI #3
PK0319	City Pier Inspection Repairs	Transportation	P-10B.04		ICI #3
PK0406	Shane & Elks Field Lighting	Parks	G-10A; G-10B		ICI #3
PK0420	Ediz Hook Boat Launch Repairs	Facility/Parks			ICI #3
PK0802	Neighborhood Park Development	Parks	G-10A; G-10B		ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION ELECTRIC	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
MEDIC 1					
CAPM1	Medic 1 Equipment	Public Safety			ICI #3
FD0118	Defibrillator Equipment	Public Safety			ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION ELECTRIC	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
ELECTRIC					
CLCAP	Maintenance Capital Contribution		G-5D		ICI #3
CL0414	Construct New Light Ops Building		G-5D		ICI #3
CL0217	I Street Substation Switchgear Replacement		G-5D		ICI #3
CL0420	College Street Load Tap Changer Replacement		G-5D		ICI #3
CL0117	Washington Street Substation Switchgear		G-5D		ICI #3
CL0222	Advanced Metering & Outage Management		G-5D		ICI #3
CL0216	City/PUD Service Area Capital Needs		G-5D		ICI #3
CL0819	Overhead Reconductoring - 2023		G-5D		ICI #3
CL0619	Underground Cable Replacement - 2023		G-5D		ICI #3
CL0123	Overhead Reconductoring - 2024		G-5D		ICI #3
CL0719	Underground Cable Replacement - 2024		G-5D		ICI #3
CL0223	Overhead Reconductoring - 2025		G-5D		ICI #3
CL1019	Underground Cable Replacement - 2025		G-5D		ICI #3
CL0323	Overhead Reconductoring - 2026		G-5D		ICI #3
CL0221	Underground Cable Replacement - 2026		G-5D		ICI #3
CL0320	F Street Load Tap Changer Replacement		G-5D		ICI #3
CL0120	F Street Transformer Replacement		G-5D		ICI #3
CL0816	College Street Substation Switchgear		G-5D		ICI #3
CL0121	Overhead Reconductoring - 2027		G-5D		ICI #3
CL0321	Underground Cable Replacement - 2027		G-5D		ICI #3
CL0122	Underground Cable Replacement - 2028		G-5D		ICI #3
CL0523	Underground Cable Replacement - 2029		G-5D		ICI #3
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road		G-5D		ICI #3
CL0520	Substation Seismic Bracing		G-5D		ICI #3
CL0423	Overhead Reconductoring - 2029		G-5D		ICI #3
CL0322	Electric Vehicle Charging Station - Fast Chargers		G-5D		ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION WATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WATER					
CAPWT	General Water Equipment		G-5D		ICI #3
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays		G-5D		ICI #3
WT0218	Reservoir Instrumentation Upgrades		G-5D		ICI #3
WT0321	Facility Assessment		G-5D		ICI #3
WT0221	Race Street Water Main Replacement South		G-5D		ICI #3
WT0420	Ennis Creek Water Main Relocate		G-5D		ICI #3
WT0619	Peabody Reservoir Inlet Pipe Replacement		G-5D		ICI #3
WT0519	Water Treatment Plant Repairs		G-5D		ICI #3
WT0421	Race Street Water Main Replacement North		G-5D		ICI #3
WT0319	Ground Water Resiliency Program		G-5D		ICI #3
WT0121	White Creek & 3rd Street Main Crossing		G-5D		ICI #3
WT0320	Morse Creek Transmission Main Eval/Design		G-5D		ICI #3
WT0612	3rd & Vine Street Main		G-5D		ICI #3
WT0219	Peabody Heights Floating Cover Replacement		G-5D		ICI #3
WT0111	Liberty Street Water Main		G-5D		ICI #3
WT0412	West 4th Street Water Main		G-5D		ICI #3
WT0512	East 4th Street Water Main		G-5D		ICI #3
WT0212	East 6th Street Water Main		G-5D		ICI #3
WT0123	11th Street ROW Tumwater Creek Crossing		G-5D		ICI #3
WT0223	14th Street ROW Tumwater Creek Crossing		G-5D		ICI #3
WT0120	Water System SCADA Upgrade		G-5D		ICI #3
WT0717	Race/Caroline Street Fire Flow		G-5D		ICI #3
WT0112	10th Street Water Main		G-5D		ICI #3
WT0116	Marine Drive Main Replacement Phase II		G-5D		ICI #3
WT0117	Mill Creek Reservoir Expansion		G-5D		ICI #3
WT0119	McDougal Pressure Subzone		G-5D		ICI #3
WT0214	Transmission Main East of Golf Course Road		G-5D		ICI #3
WT0217	Airport/Edgewood Drive Water Main Extension		G-5D		ICI #3
WT0314	Tumwater Truck Route Commercial Fire Flow (LID)		G-5D		ICI #3
WT0317	Scribner Booster Station Upgrade		G-5D		ICI #3
WT0318	Viewcrest/Laurel Intertie/PRV		G-5D		ICI #3
WT0417	1st/Laurel Street Fire Flow		G-5D		ICI #3
WT0418	10th/11th Alley Water Main Replacement		G-5D		ICI #3
WT0517	6th/Laurel and 5th Street Fire Flow		G-5D		ICI #3
WT0617	Porter Street Zone PRV Improvements		G-5D		ICI #3
WT0817	St Andrews Place Fire Flow Loop		G-5D		ICI #3
WT0917	East First Street Fire Flow		G-5D		ICI #3
WT1017	18th Street Fire Flow		G-5D		ICI #3
WT1117	Lauridsen Blvd/Tumwater Fire Flow		G-5D		ICI #3
WT0323	Decant Facility Equipment		G-5D		ICI #3
WT0423	Advanced Metering Management		G-5D		ICI #3
INDUSTRIAL WATER LINE PROJECTS					
WT0122	Elwha - Fish Screen Facility Improvements		G-5D		ICI #3
WT0222	Elwha - Effluent Distribution Structure Bypass		G-5D		ICI #3
WT0422	Elwha - Temporary Diversion Pumping Facility/Bulkhead Project		G-5D		ICI #3
WT0522	Elwha - Facility Surplus		G-5D		ICI #3
WT0322	Elwha - Surface Water Intake Improvements		G-5D		ICI #3
WT0622	Elwha - Screen House Project		G-5D		ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION WASTEWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WASTEWATER					
CAPWW	General Wastewater Equipment		G-5D		ICI #3
WW0319	Wastewater Comprehensive Plan		G-5D		ICI #3
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays		G-5D		ICI #3
WW0220	West 4th Street Capacity Improvement		G-5D		ICI #3
WW0121	Facility Assessment		G-5D		ICI #3
WW0520	Sanitary Force Main Relocate (Lees Creek)		G-5D		ICI #3
WW0420	WWTP Potable Water Air-Gap		G-5D		ICI #3
WW0122	Anaerobic Digester Roof Improvements		G-5D		ICI #3
WW0419	WWTP HVAC Replacement		G-5D		ICI #3
WW0320	WWTP Septic Truck Pad Repair		G-5D		ICI #3
WW0222	"A" Street Improvements		G-5D		ICI #3
WW0516	WWTP Boiler Replacement		G-5D		ICI #3
WW0415	Pump Station #5 Rehabilitation		G-5D		ICI #3
WW0915	Pump Station #6 Improvements		G-5D		ICI #3
WW0110	Aeration Blower Replacement		G-5D		ICI #3
WW0217	Ennis Creek Force Main Removal		G-5D		ICI #3
WW0608	Waste Activated Sludge Thickening WWTP		G-5D		ICI #3
WW1115	1st & 2nd Streets Alley Sewer Separation		G-5D		ICI #3
WW1315	Pine Hill Sewer Separation		G-5D		ICI #3
WW0119	Biosolid Pyrolysis		G-5D		ICI #3
WW0518	Francis Street Sewer Trestle Repair		G-5D		ICI #3
WW0221	Pump Station #17 Improvements		G-5D		ICI #3
WW0322	Gravity Thickener Rehabilitation		G-5D		ICI #3
WW0422	Headworks Improvements		G-5D		ICI #3
WW0522	Pump Station #15 & #16 Improvements		G-5D		ICI #3
WW0622	Pump Station #10 Improvements		G-5D		ICI #3
WW0722	Pump Station #8 Improvements		G-5D		ICI #3
WW0822	Gravity Thickener Redundancy		G-5D		ICI #3
WW0922	Access Road & Septage Receiving Improvements		G-5D		ICI #3
WW1022	Nutrient Reduction Sidestream Treatment Upgrades		G-5D		ICI #3
WW0123	Front/Georgiana Capacity Improvement		G-5D		ICI #3
WW0223	New Sewer Washington Street (Park to 8th)		G-5D		ICI #3
WW0323	Decant Facility Equipment		G-5D		ICI #3
WW0423	WWTP Knife Gate Valve Installations		G-5D		ICI #3
WW0523	WWTP UST Tank Replacement		G-5D		ICI #3
COMBINED SEWER OVERFLOW (CSO)					
WW0120	Pump Station #3 Force Main Replacement		G-5D		ICI #3
WW1122	2022 Neighborhood Sewer Rehabilitation		G-5D		ICI #3
WW0117	Francis Street Pigging Bypass		G-5D		ICI #3
WW0316	CSO 6 and 7 Reconstruction		G-5D		ICI #3
WW0918	2025 Neighborhood Sewer Rehabilitation		G-5D		ICI #3
WW1018	2026 Neighborhood Sewer Rehabilitation		G-5D		ICI #3
WW0715	Oak Street Sewer Separation		G-5D		ICI #3
WW0815	Laurel Street Sewer Separation		G-5D		ICI #3
WW1118	2027 Neighborhood Sewer Rehabilitation		G-5D		ICI #3
WW1222	2028 Neighborhood Sewer Rehabilitation		G-5D		ICI #3
WW0123	2029 Neighborhood Sewer Rehabilitation		G-5D		ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION SOLID WASTE	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
SOLID WASTE					
SW0112	Decant Facility at Transfer Station		G-5D		ICI #3
SW0221	Facility Assessment		G-5D		ICI #3
SW0120	Landfill Pump Station 17 Repair		G-5D		ICI #3
SW0121	Landfill Access Road Repair		G-5D		ICI #3
SW0122	Landfill Automated Facility Gate		G-5D		ICI #3
SW0323	Long Haul Truck Tarping Station		G-5D		ICI #3
SW0321	Landfill Access Road Repair - Phase 2		G-5D		ICI #3
SW0218	Landfill Security Fencing		G-5D		ICI #3
SW0123	Recycle Processing Center		G-5D		ICI #3
SW0223	Landfill Cover System Repairs		G-5D		ICI #3
SW0423	MRWF Building Conversion - Office Space		G-5D		ICI #3
SW0523	Decant Facility Equipment		G-5D		ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION STORMWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
STORMWATER					
DR0213	H Street Stormwater Outfall		G-5D		ICI #3
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays		G-5D		ICI #3
DR0804	Lincoln Park/Big Boy Pond Study		G-5D		ICI #3
DR0322	Park Ave. Outfall to Peabody Creek		G-5D		ICI #3
DR0121	Facility Assessment		G-5D		ICI #3
DR0404	Stormwater at Canyon Edge & Ahlvers		G-5D		ICI #3
DR0215	Francis Street Outfall Repair		G-5D		ICI #3
DR0304	Stormwater at Laurel Street & US 101		G-5D		ICI #3
DR0115	Liberty Street Stormwater Improvement		G-5D		ICI #3
DR0122	18th St. Culvert & Outfall Improvement		G-5D		ICI #3
DR0117	Peabody Street Water Quality Project		G-5D		ICI #3
DR0222	Chase Street Stormwater Improvements		G-5D		ICI #3
DR0123	Land Acquisition		G-5D		ICI #3
DR0223	Decant Facility Equipment		G-5D		ICI #3
DR0219	Outfall to Creek Improvement Program		G-5D		ICI #3
DR0112	Valley Creek Culvert & Outfall				

PROJECT NUMBER	PROJECT DESCRIPTION INFORMATION TECHNOLOGY	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
INFORMATION TECHNOLOGY (IT)					
IT0714	Data Backup Systems Replacement		G-5D		ICI #3
IT0514	Data Storage Array Systems		G-5D		ICI #3
IT0319	Network Refresh		G-5D		ICI #3
IT0618	Virtual Server Replacements		G-5D		ICI #3
IT1018	UPS Replacement - Disaster Recovery Data Center		G-5D		ICI #3
IT0214	Records Management System		G-5D		ICI #3
IT0416	Cemetery Software		G-5D		ICI #3
IT0119	Wireless Bridge		G-5D		ICI #3
IT0716	ERP Road Map & Replacement		G-5D; G-10D		ICI #3
IT0320	ESRI Migration to Arc Pro		G-5D		ICI #3
IT0123	Intrusion Detection and Prevention		G-5D		ICI #3
IT0223	Increase Primary Backup Storage		G-5D		ICI #3
IT0323	SCADA Server Replacements		G-5D		ICI #3
IT0423	Building Access Control and Cameras		G-5D		ICI #3
IT0523	City Owned Fiber Optics		G-5D		ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION TRANSPORTATION	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
TRANSPORTATION BENEFIT DISTRICT PROJECTS					
TR1118	Revolving Street improvements	Restoration	G4		ICI #3
TR0414	Peabody Creek/Lincoln St Culvert Repair	Restoration	G4		ICI #3
TR0121	Pavement Management Plan	Mobility			ICI #3
TR0115	N Street (5th to 15th) - Chip Seal	Preservation	G4		ICI #3
TR0518	I Street (5th to 16th) Chipseal	Restoration	G4		ICI #3
TR0316	8th Street (A to I) Chip Seal	Preservation	G4		ICI #3
TR0119	8th Street Paving - Lincoln to A	Preservation	G4		ICI #3
TR1799	Truck Route at Hwy 101 Intersection	Mobility	G4	O-4.08	ICI #3
TR0420	2023 Pavement Preservation	Preservation	G4		ICI #3
TR0716	ADA - Peabody Street	Pedestrian / Bike	G4A; P-4A.03; P-4A.02; P-4A.09		ICI #3
TR0618	Stevens Middle School Walking Routes	Safety	G4A; P-4A.03; P-4A.02	O-4.04	ICI #3
TR0117	Liberty Street Reconstruction	Restoration	G4		ICI #3
TR0221	Marine Dr Paving (Valley to Hill Street)	Preservation			ICI #3
TR0417	Ennis Street Pavement Repair	Preservation	G4		ICI #3
TR0419	Lauridsen Blvd Reconstuction - L to City Limits	Restoration	G4		ICI #3
TR0915	Park Avenue Paving Overlay	Preservation	G4		ICI #3
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	G4A; P-4A.01	O-4.03	ICI #3
TR0620	2026 Pavement Preservation	Preservation	G4		ICI #3
TR0818	Railroad Ave Overlay	Mobility	G4A		ICI #3
TR0122	First/Front Paving (Lincoln To Tumwater)	Preservation	G4		ICI #3
TR0219	5th Street Chip Seal - A to M Street	Preservation	G4		ICI #3
TR0720	18th Street Chip Seal	Preservation	G4		ICI #3
TR0520	2028 Pavement Preservation	Preservation	G4		ICI #3
TR0223	2029 Pavement Preservation	Preservation	G4		ICI #3
TR0816	ADA - Cherry Street	Pedestrian / Bike	G4	O-4.03	ICI #3
TR0323	Lincoln Street Safety (8th to Lauridsen)	Safety	G4A; P-4A.03; P-4A.02	O-4.04	ICI #3
TR0499	Laurel St/Ahlvers Road Overlay	Restoration	G4		ICI #3
TR1015	Cherry Street Area Chip Seal	Preservation	G4		ICI #3
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	G4A; P-4A.03	O-4.03	ICI #3
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	Mobility	G4		ICI #3
TR0104	2nd and Valley Pavement Restoration	Restoration	G4		ICI #3
TR0308	"O" Street Improvements	Restoration	G4		ICI #3
TR0599	Hill Street Intersection	Mobility	G4		ICI #3
TR0317	Chase Street Vicinity Chipseal	Preservation	G4		ICI #3
TR0123	Sidewalk for Ennis Street Improvements	Pedestrian / Bike	G4A; P-4A.03	O-4.03	ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION TRANSPORTATION	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
TRANSPORTATION PROJECTS					
TR0405	Alley Paving Revolving Funding	Restoration	G4		ICI #2, ICI #3
TR1120	Complete Streets Revolving Fund	Pedestrian / Bike	G4A; P-4B.23		ICI #2, ICI #3
TR0621	Waterfront Trail Repairs	Transportation	G-4		ICI #3
TR0114	Hill Street-Olympic Discovery Trail	Pedestrian / Bike	G4A; P-4A.01	O-4.01	ICI #3
TR0209	Race CompleteDesign & Construction Phs. I	Civic Improvement	G4A; P-4B.23		ICI #2, ICI #3
TR0918	Downtown Tree/Sidewalk Replacement- Phase III	Pedestrian / Bike	G4	O-4.04	ICI #3
TR0101	Laurel Street Stairs Replacement	Civic Improvement	G4A; P-4A.01	O-4.03	ICI #2, ICI #3
TR0120	Signal Controller Upgrades 1st/Front	Safety	G4		ICI #3
TR1215	City Hall East Parking Lot LID	Restoration	G4		ICI #2, ICI #3
TR0321	Speed Feedback Sign Program	Safety			ICI #3
TR0222	First/Front Pedestrian Enhancements	Pedestrian / Bike			ICI #3
TR1399	Traffic Signal Interconnect/Preemption	Mobility	G4A; P-4A.03		ICI #2, ICI #3
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	G4A; P-4A.01	O-4.03; O-4.04	ICI #3
TR1020	N Street Solar Speed Display	Safety	G4		ICI #3
TR0416	1St/2nd/Valley/Oak Green Alley	Restoration	G4		ICI #3
TR0919	Traffic Safety Camera program	Safety	G4		ICI #3
TR0821	Facility Assessment				ICI #3
TR0715	16th Street LID (C Street to L Street)	Restoration	G4		ICI #3
TR1116	School Area Speed Signs (Near Franklin)	Safety	G4A; P-4A.03		ICI #3
TR0322	Intersection Control Study	Safety			ICI #3
TR0220	Traffic Circle Program	Safety	G4		ICI #3
TR0909	Wayfinding & ODT Signage	Civic Improvement	G4B; P-4B.01	O-4-.03; O-4.06	ICI #3
TR0421	Valley Street Culvert Crossing	Restoration			ICI #3
TR0920	Lauridsen Blvd Flashing Beacons	Safety			ICI #3
TR1109	Marine Drive Bulkhead Repairs	Restoration	G4		ICI #3
TR0423	Signal Controller Upgrades 1st/Front Phase II*	Safety	G4		ICI #3
TR0619	Race Complete Construction Ph II	Civic Improvement	G4		ICI #3
TR0819	Sidewalks for Mt Angeles Rd & Porter St	Safety/Pedestrian / Bike	G4A; P-4A.02; P-4A.09		ICI #3
TR0113	Waterfront Redevelopment Phase III	Civic Improvement	G4B; P-4B.18	O-4.01	ICI #3
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	G4A; P-4A.01	O-4.03	ICI #3
TR0212	Caroline Street Slide Repair	Restoration	G4		ICI #3
TR1009	1st, Front & Race Street Crossings	Pedestrian / Bike	G4A; P-4A.03	O-4.03	ICI #3
TR0516	Nancy Lane Pavement	Restoration	G4		ICI #3
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	G4A; P-4A.03	O-4-.02; O-4.03	ICI #3
TR0208	Alternate Cross Town Route Study	Mobility	G4B; P-4B.06	O-4.08	ICI #2, ICI #3
TR1316	Traffic Control	Safety	G4A; P-4A.03		ICI #3
TR1018	Zig Zag at Oak Street	Civic Improvement	G4		ICI #3
TR0719	First & Front St. Decoupling	Civic Improvement	G4		ICI #3
TR0521	I to M Street Paving & Sidewalk	Restoration			ICI #3
TR0721	Gales Addition Connector Planning	Transportation	G-4		ICI #3