

THE CITY OF  
**PORT ANGELES**  
WASHINGTON



2019 - 2024

**CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN**

CITY OF PORT ANGELES



2019 - 2024  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



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Publication Date 6/8/2018 - version 2

## Boards and Committees

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Board of Adjustment  
Board of Ethics  
Civil Service Commission  
Construction Code Board of Appeals  
Lodging Tax Advisory Committee  
Other Citizen and Technical Advisory Committees  
Parks, Recreation & Beautification Committee  
Planning Commission  
Port Angeles Forward Committee  
Public Safety Advisory Board  
Utility Advisory Committee



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June 15, 2018

City Council,

I am pleased to present the City's Capital Facility Plan, and Transportation Improvement Plan (CFP/TIP) for 2019 through 2024. This communication tool allows council and citizens access to information on the planned facility, utility, parks, public safety and transportation improvements for the next six years. Additionally, we will focus on what is happening in 2018. The purpose of developing a plan is to provide reliable and well maintained infrastructure. The document incorporates the City's vision for the future as illustrated in the Comprehensive Plan, and Strategic Planning sessions; both approved by the City Council. These plans are incorporated into this document with a cross reference to how the capital plan links.

The CFP/TIP, although driven by public vision, is constrained by fiscal realities. Ultimately, this plan is not entirely about finances, but rather a roadmap to how we can provide reliable, quality services and maintain infrastructure.

The City of Port Angeles will continue to focus on living within our means, with no additional bond or loan funding expected over the next 6 years.

### **New in 2018**

The City added 8th Street Bridge Barriers to the 2018 CFP/TIP late in 2017, this added unexpected expense to the General Fund to support this project. With the help of Councilmember Kidd the City obtained State assistance to complete the project. Councilmember Kidd worked with the state legislators to obtain \$350 thousand in funding for this project.

### **Council Strategies**

- Directed City Staff to set aside funding for capital projects equal to the depreciation level of each fund. *This has been accomplished for most, but not all areas, at this time. Wastewater and General Government continue to fall behind in maintaining this level of reserves in their respective capital funds. The wastewater capital reserve is recovering after the completion of the CSO project. The General Fund has met the average 5 year funding goal for both Transportation and General Governmental projects.*
- Aggressively pursue all Federal, State, and other external funding sources for capital improvements. *The City has done a fantastic job pursuing grant opportunities. The achievements are included in this document through the completed and planned project funding.*
- Link projects to Comprehensive Plan objectives. *A new chart located in the back of this document links all active projects to Comprehensive Plan goals and the strategic plan where possible.*
- Focus on preventable maintenance to increase asset life.

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The focus of this CFP/TIP is to replace aging infrastructure, to be used to obtain grants, preserve current assets, and improve technology.

**2017 Accomplishments include:**

- Breathing Apparatus for Fire Department.
- Civic Field improvements - sound, fencing, dugout, painting and new roof.
- Georgiana Park Equipment.
- Major equipment purchases:
  - Minipumper for Fire Department
  - Manlift truck
  - Police cruiser
  - Various trucks and generators for Utilities.
- Electric infrastructure
  - Overhead and Underground.
- Landfill Bluff Stabilization project completed and accepted by the Department of Ecology (DOE).
- CSO phase II - completed and accepted by DOE.
- Marine Drive sewer main.
- WWTP Control Panel & SCADA installations.
- Downtown sidewalks and treewells were improved.
- Waterfront Phase 1 and 2 completed and capitalized in 2017.

**Major projects for 2019-2024 include:**

- Setting funds aside for the restroom replacement program & facility revolving fund.
- Fire suppression systems at City Hall.
- Olympic Discovery Trail signs.
- 10th Street rebuild and City Hall parking lot.
- Ennis Creek Culvert and Peabody Creek / Lincoln Street Culvert.
- Electric pole, underground and overhead line replacements.
- Water mains in multiple locations.
- Wastewater pump improvements, sewer repairs and rehabilitation at neighborhood locations.
- Peabody Creek water quality through Stormwater runoff improvements.
- H Street and Canyon Edge Stormwater projects.
- Replacement of vehicles per schedule.
- Continued sewer and stormwater separation.
- Establish revolving funds for public safety items, including EOC, defibrillators, fire hoses and turn-out gear.
- 8th Street Bridges Protective Screening.

A table that links individual projects to the Comprehensive Plan and Strategic Plan is included. This will allow you to see how we are working toward those goals.

**Conclusion**

The CFP/TIP is an important part of the overall ongoing financial planning for the City. This plan incorporates the Comprehensive Plan, Annual Budget, Cost of Service Studies, Long Range Financial Plan, The Strategic Plan and input from various committees, City Council and City Staff. Since this is a living document, any changes in priorities or funding will be made by Council as they become available. As with all living documents changes present a continual balancing act to ensure funding is available and City Staff has time to complete the project. This document will provide an easy reference point for impacts and changes to the capital budget and plans listed above.

Respectfully submitted,



Dan McKeen  
City Manager

## HOW TO READ THIS PLAN

The **Executive Summary** provides a summary of project costs and funding sources included in the 2019-2024 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 some projects are financed by bonds or loans. This also explains the limitations on Council approved financing options and revenue based financing options.

The **Capital Facilities Plan (CFP)** section explains the purpose of the CFP, statutory requirements, and methodologies used to development 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 each of the six years. This section breaks out the projects into their reporting areas. This area includes a “parking lot” for projects on the list to complete, but without identified funding sources.

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 Strategic Plan.

## EXECUTIVE SUMMARY

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 keep utility rates at the minimum level without delaying needed capital improvements.

The City staff has worked very hard to maintain a high level of operations without needlessly increasing rates 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.

The Capital Facilities Plan (CFP), and Transportation Improvement Plan (TIP) include a parking lot designation. The parking lot is where the City knows improvements are needed, but funding has not been secured.



The wastewater utility will set aside funding for future projects and continue to build to full depreciation level as directed by the City Council.

Governmental and transportation projects will continue at an average spending level. This does not allow for the accumulation of depreciation levels or for replacement of assets that are past their prime.

City of Port Angeles residents voted to approve the Transportation Benefit District, with a 0.02% additional sales tax beginning in 2018. This revenue source will enhance funding for transportation projects.

Some of the utility plan appears to be out of balance due to use of funding set aside in earlier years. This allows projects to be completed without the need for additional rate increases.

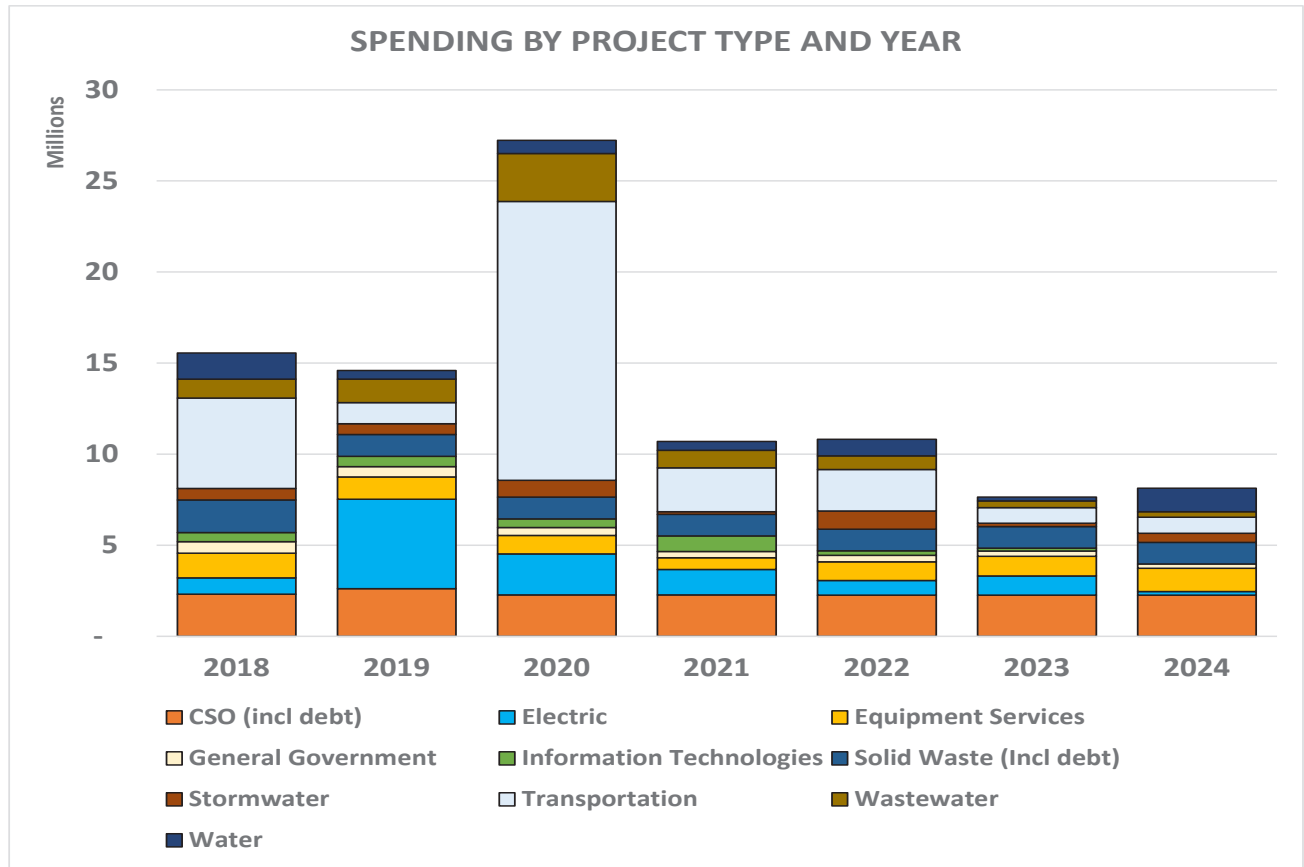
Many of the Parks and Facility projects require grant funding or donations for completion. If the funds do not materialize the project scope may change, or the project may be cancelled in full.

The Finance department worked in conjunction with each reporting unit, receiving invaluable assistance from the Public Works engineering staff, the City Manager's office, Directors and staff from all areas of the City. This is a collaborative document, incorporating information and comments from council, citizens and, Boards and Commissions.



# EXPENDITURE SUMMARY BY PROJECT TYPE

Expenditures	Budget	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
CSO (incl debt)	2,307,904	2,617,596	2,273,789	2,269,981	2,266,174	2,262,367	2,258,559
Electric	900,000	4,910,000	2,250,000	1,400,000	800,000	1,050,000	200,000
Equipment Services	1,354,200	1,218,400	1,021,500	641,000	1,029,900	1,087,300	1,272,701
General Government	638,200	574,500	426,500	348,500	345,500	287,500	237,500
Information Technologies	490,500	561,300	475,000	850,000	250,000	150,000	-
Solid Waste (Incl debt)	1,798,450	1,196,450	1,196,250	1,192,000	1,194,300	1,193,900	1,192,750
Stormwater	632,000	600,000	925,000	135,000	1,000,000	175,000	500,000
Transportation	4,964,700	1,147,000	15,300,000	2,420,000	2,275,000	860,000	875,000
Wastewater	1,032,000	1,290,000	2,640,000	950,000	745,000	370,000	300,000
Water	1,442,000	478,200	723,200	487,000	905,000	212,400	1,292,000
<b>Totals</b>	<b>15,559,954</b>	<b>14,593,446</b>	<b>27,231,239</b>	<b>10,693,481</b>	<b>10,810,874</b>	<b>7,648,467</b>	<b>8,128,510</b>

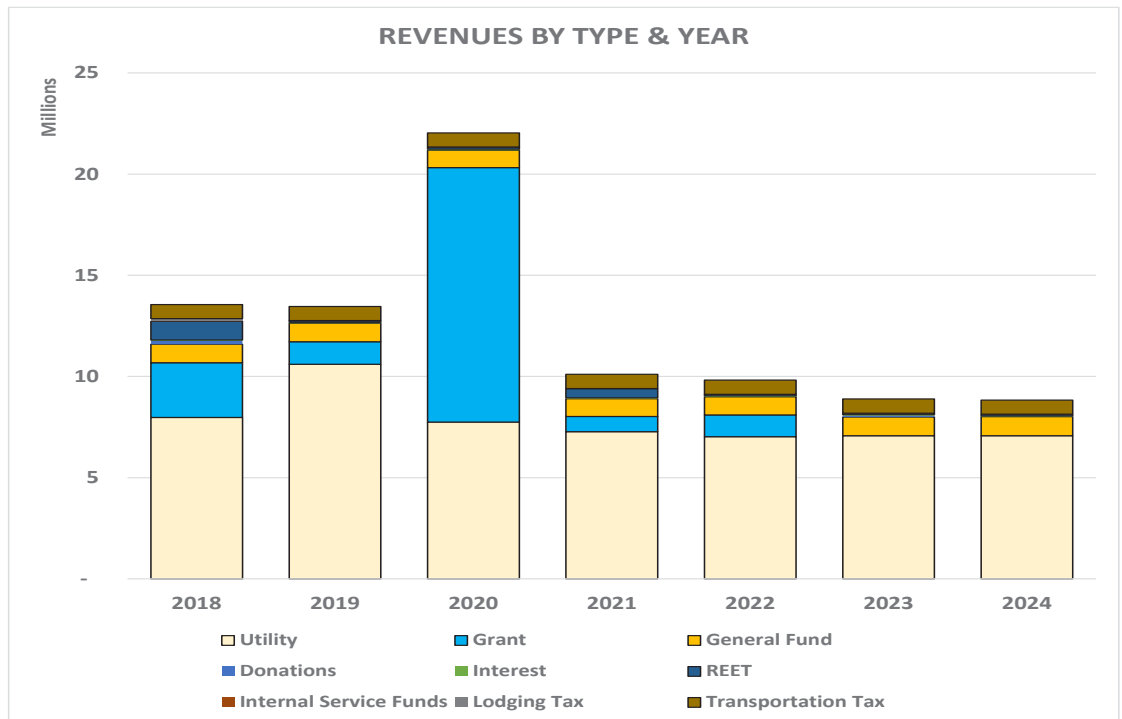


## FUNDING SOURCES BY TYPE

Revenues	2018	2019	2020	2021	2022	2023	2024
CSO	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900
Electric	1,073,700	4,400,000	800,000	800,000	800,000	800,000	800,000
Equipment Services	1,025,800	1,005,800	1,015,800	1,025,800	1,035,800	1,045,800	1,055,800
General Government	613,200	498,200	377,000	378,000	325,000	350,000	325,000
Information Technologies	311,100	434,000	359,000	366,500	376,500	386,500	396,500
Solid Waste	1,764,700	1,108,978	1,107,229	1,105,448	1,103,717	1,101,905	1,100,066
Stormwater	400,000	900,000	400,000	400,000	400,000	472,000	400,000
Transportation	4,724,600	1,467,100	14,305,100	2,330,100	2,055,100	980,100	980,100
Wastewater	763,500	783,500	803,500	823,500	843,500	863,500	883,500
Water	577,500	562,000	568,000	574,000	580,000	586,000	592,000
<b>Totals</b>	<b>13,556,000</b>	<b>13,461,478</b>	<b>22,037,529</b>	<b>10,105,248</b>	<b>9,821,517</b>	<b>8,887,705</b>	<b>8,834,866</b>

Revenue by Type	2018	2019	2020	2021	2022	2023	2024
Utility	7,970,600	10,599,600	7,747,900	7,269,400	7,020,400	7,071,400	7,072,400
Grant	2,708,900	1,115,500	12,575,000	753,000	1,075,000	-	-
General Fund	914,900	912,700	857,700	877,700	897,700	917,700	937,700
Donations	160,000	-	-	-	-	72,000	-
Interest	43,200	50,178	48,429	46,648	44,917	43,105	41,266
REET	930,200	75,000	100,000	450,000	75,000	75,000	75,000
Internal Service Funds	8,200	8,500	8,500	8,500	8,500	8,500	8,500
Lodging Tax	120,000	-	-	-	-	-	-
Transportation Tax	700,000	700,000	700,000	700,000	700,000	700,000	700,000
<b>Totals</b>	<b>13,556,000</b>	<b>13,461,478</b>	<b>22,037,529</b>	<b>10,105,248</b>	<b>9,821,517</b>	<b>8,887,705</b>	<b>8,834,866</b>

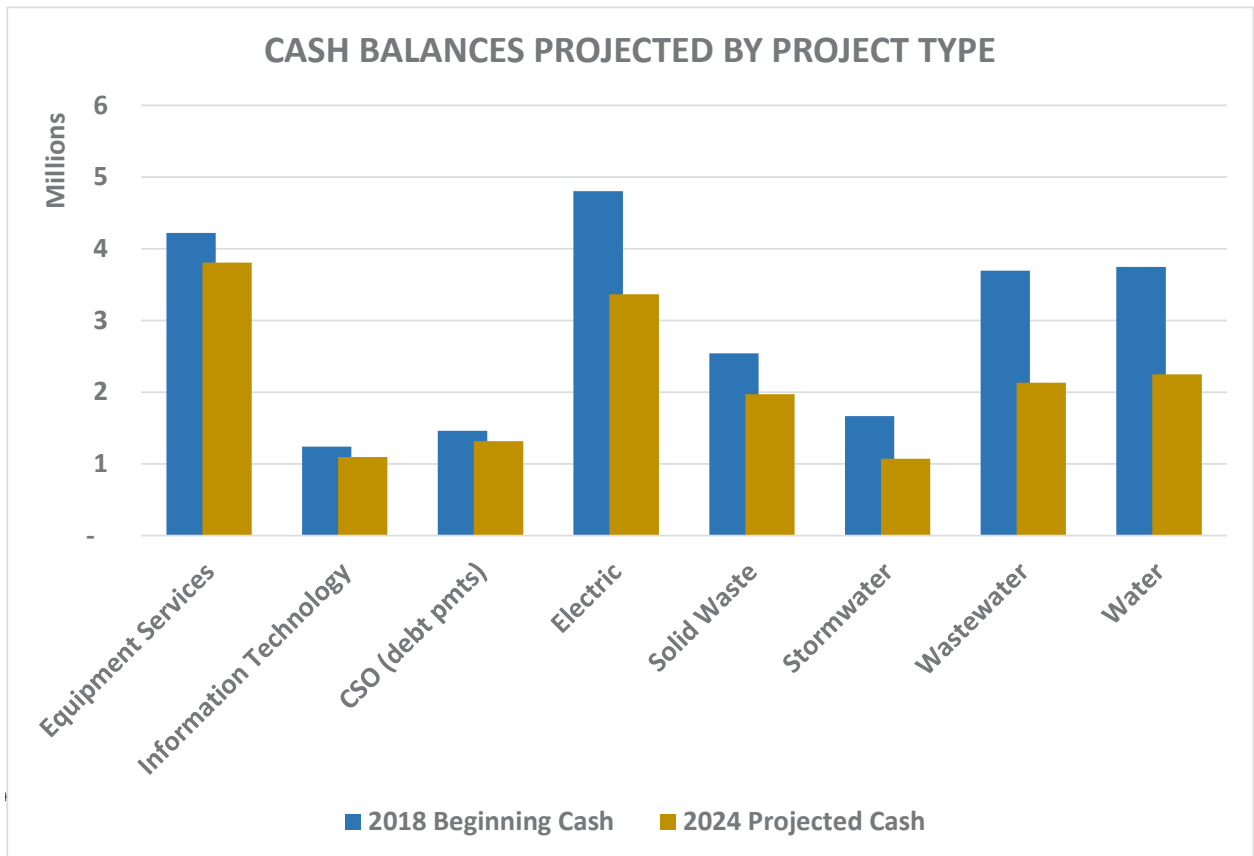
Note: General Fund amounts include allocated amounts reported in the operating Internal Service Funds as revenues for both Information Technologies and Equipment Services.



Capital Fund	2018 Beginning Cash	2024 Projected Cash	2024 Projected Depreciation	Cash Ratio to Depreciation
Governmental	861,387	<b>792,587</b>	1,312,765	0.6
Transportation	1,271,055	<b>271,555</b>	2,442,540	0.1
Equipment Services	4,220,552	<b>3,806,151</b>	637,229	6.0
Information Technology	1,242,782	<b>1,096,082</b>	971,038	1.1
CSO (debt pmts)	1,461,738	<b>1,318,669</b>	NA	NA
Electric	4,803,264	<b>3,366,964</b>	2,778,410	1.2
Solid Waste	2,542,649	<b>1,970,592</b>	491,049	4.0
Stormwater	1,668,305	<b>1,073,305</b>	283,720	3.8
Wastewater	3,696,097	<b>2,133,597</b>	2,620,359	0.8
Water	3,748,201	<b>2,247,901</b>	1,811,603	1.2
	<b>23,383,588</b>	<b>17,013,261</b>	<b>9,593,408</b>	

Council has directed staff to obtain a 1:1 depreciation to cash ratio for all Utility funds; Governmental funds will show a much lower ratio due to the availability for funds.

\*CSO depreciation is included in Wastewater so it is not included in the analysis of cash/depreciation ratio. At the current rate the CSO project can be paid off in three to four years earlier than expected. Additionally, Wastewater is increasing from last years 2023 projection of .53.



# 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 council resolution adopting the CFP and TIP.

PROJECT TITLE	RANK	TOTAL PROJECT	TRANSPORTATION IMPROVEMENT PLAN						Parking
			2019	2020	2021	2022	2023	2024	Lot
<b>TRANSPORTATION IMPROVEMENT PLAN</b>									
TR0111	A	677,935	-	-	-	-	-	-	-
TR0114	A	1,681,628	-	-	-	-	-	-	1,472,600
TR0118	A	1,000,000	-	-	-	-	-	-	-
TR0209	A	11,451,457	-	9,000,000	-	-	-	-	2,000,000
TR0216	A	237,028	-	-	-	-	-	-	-
TR0909	A	212,013	-	-	-	-	-	-	-
TR1100	A	3,446,300	-	-	-	-	-	-	-
TR0414	1	1,800,000	-	3,000,000	-	-	-	-	-
TR0416	2	470,000	-	450,000	-	-	-	-	-
TR1299	3	130,000	-	-	-	-	-	-	-
TR0405	4	125,000	125,000	125,000	125,000	125,000	125,000	125,000	-
TR1516	5	200,000	125,000	-	-	-	-	-	-
TR0215	6	125,000	200,000	-	-	-	-	-	-
TR0315	7	250,000	125,000	-	-	-	-	-	-
TR0515	8	1,220,000	20,000	1,200,000	-	-	-	-	-
TR0218	9	300,000	100,000	600,000	-	-	-	-	-
TR1216	10	700,000	50,000	-	-	-	-	-	-
TR0314	11	50,000	125,000	400,000	-	-	-	-	-
TR0715	12	525,000	160,000	-	900,000	-	-	-	-
TR1416	13	70,000	15,000	-	200,000	-	-	-	-
TR1215	14	1,060,000	102,000	-	-	500,000	-	-	-
TR0217	15	215,000	-	300,000	-	-	-	-	-
TR0517	16	200,000	-	200,000	-	-	-	-	-
TR0101	17	602,000	-	25,000	375,000	-	-	-	-
TR0115	18	400,000	-	-	300,000	-	-	-	-
TR0418	19	650,000	-	-	250,000	-	-	-	-
TR0615	20	300,000	-	-	200,000	-	-	-	-
TR0618	21	400,000	-	-	50,000	600,000	-	-	-
TR0318	22	200,000	-	-	20,000	380,000	-	-	-
TR0616	23	300,000	-	-	-	300,000	-	-	-
TR0316	24	300,000	-	-	-	300,000	-	-	-
TR0417	25	50,000	-	-	-	70,000	-	-	-
TR0915	26	310,000	-	-	-	-	375,000	-	-
TR0518	27	300,000	-	-	-	-	300,000	-	-
TR1116	28	375,000	-	-	-	-	50,000	-	-
TR0716	29	450,000	-	-	-	-	10,000	300,000	-
TR0117	30	875,000	-	-	-	-	-	450,000	-
TR0818	PL 31	200,000	-	-	-	-	-	-	200,000
TR0499	PL 32	400,000	-	-	-	-	-	-	400,000
TR0113	PL 33	8,100,000	-	-	-	-	-	-	8,100,000
TR0816	PL 34	300,000	-	-	-	-	-	-	300,000
TR0815	PL 35	375,000	-	-	-	-	-	-	375,000
TR1015	PL 36	750,000	-	-	-	-	-	-	750,000
TR1016	PL 37	700,000	-	-	-	-	-	-	700,000
TR0916	PL 38	300,000	-	-	-	-	-	-	300,000
TR1399	PL 39	725,000	-	-	-	-	-	-	725,000
TR1109	PL 40	3,000,000	-	-	-	-	-	-	3,000,000
TR1899	PL 41	1,950,016	-	-	-	-	-	-	1,849,500
TR0212	PL 42	375,000	-	-	-	-	-	-	375,000
TR0104	PL 43	550,000	-	-	-	-	-	-	550,000
TR1009	PL 44	433,632	-	-	-	-	-	-	423,000
TR0516	PL 45	200,000	-	-	-	-	-	-	200,000
TR0506	PL 46	100,000	-	-	-	-	-	-	100,000
TR0308	PL 47	1,500,000	-	-	-	-	-	-	1,500,000
TR0599	PL 48	485,000	-	-	-	-	-	-	485,000
TR1799	PL 49	6,000,000	-	-	-	-	-	-	6,000,000
TR0208	PL 50	220,000	-	-	-	-	-	-	220,000
TR0718	PL 51	75,000	-	-	-	-	-	-	75,000
TR0918	PL 52	200,000	-	-	-	-	-	-	200,000
TR1316	PL 53	300,000	-	-	-	-	-	-	300,000
TR1018	PL 54	500,000	-	-	-	-	-	-	500,000
TR0317	PL 55	320,000	-	-	-	-	-	-	320,000
<b>TOTALS</b>		<b>59,717,009</b>	<b>1,147,000</b>	<b>15,300,000</b>	<b>2,420,000</b>	<b>2,275,000</b>	<b>860,000</b>	<b>875,000</b>	<b>31,420,100</b>

Key	
R	Revolving fund
A	Active
#	Priority assigned number
PL	Parking lot



PROJECT TITLE		RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking
				2019	2020	2021	2022	2023	2024	Lot
<b>GENERAL GOVERNMENT</b>										
CAPGF	General Government Capital	R	64,375	-	-	-	-	-	-	-
GG0303	NICE Program	R	839,320	100,000	100,000	100,000	100,000	100,000	100,000	-
GG0916	Valley Creek Restoration Phase 3	PL	2,110,940	-	-	-	-	-	-	2,110,940
GG0418	City Entrance Monuments	PL	125,000	-	-	-	-	-	-	125,000
<b>PUBLIC SAFETY</b>										
FD0215	City-wide Alarm System	A	29,363	-	-	-	-	-	-	-
GG0716	Fire Hall Living Area Remodel	A	40,000	-	-	-	-	-	-	-
PD0116	Mobile Data Terminal	A	141,428	21,000	25,000	28,000	-	-	-	-
FD0318	Emergency Management Pods	1	100,000	50,000	-	50,000	-	50,000	-	-
GG0616	Fire Hall HVAC/ Heater	2	36,000	36,000	-	-	-	-	-	-
FD0315	Fire Station Garage Door	3	50,000	-	50,000	-	-	-	-	-
FD0118	Defibrillators	R	165,000	33,000	33,000	33,000	33,000	-	-	-
FD0218	Self Contained Breathing Apparatus	R	150,000	25,000	25,000	25,000	25,000	25,000	25,000	-
FD0415	Fire Dept Turn-Out Gear	R	122,500	17,500	17,500	17,500	17,500	17,500	17,500	-
FD0615	Fire Hoses	R	35,000	5,000	5,000	5,000	5,000	5,000	5,000	-
FD0114	West Side Fire Station Land	PL	200,000	-	-	-	-	-	-	200,000
FD0216	Fire Training Facility	PL	80,000	-	-	-	-	-	-	80,000
FD0316	Senior Center EOC Generator	PL	120,000	-	-	-	-	-	-	120,000
FD0416	Radio Transmittor Generator	PL	15,000	-	-	-	-	-	-	15,000
FD0799	West Side Fire Station	PL	2,125,000	-	-	-	-	-	-	2,125,000
PD0307	Police Regional Training Facility	PL	265,000	-	-	-	-	-	-	265,000
<b>PARKS AND FACILITIES</b>										
PK0214	Erickson Playfield Camera	A	38,908	-	-	-	-	-	-	-
PK1106	City Pier Floats	A	268,959	-	-	-	-	-	-	-
PK0418	Civic Field Upgrades	A	100,000	-	-	-	-	-	-	-
PK0118	Lincoln BMX Track Starting Hill/Gate	A	20,000	-	-	-	-	-	-	-
PD0118	Crossmatch Fingerprint Analysis	1	10,000	10,000	-	-	-	-	-	-
GG1113	Facility Security Projects	2	161,268	112,000	31,000	-	-	-	-	-
GG0516	Senior Center Fire Suppression System	3	50,000	-	50,000	-	-	-	-	-
GG0416	City Hall Fire Suppression System	4	75,000	75,000	-	-	-	-	-	-
PK0218	Lincoln Park Parking Lot Paving	5	50,000	-	-	-	-	-	-	-
PK0115	City Hall Camera	6	75,000	-	-	-	75,000	-	-	-
PK0216	Facility Improvement Fund	R	105,000	15,000	15,000	15,000	15,000	15,000	15,000	-
PK0205	Restroom Replacement Program	R	525,000	75,000	75,000	75,000	75,000	75,000	75,000	-
PK0307	Erickson Tennis Court Lighting	PL	80,000	-	-	-	-	-	-	80,000
PK0316	Locomotive #4 Refurbishment	PL	50,000	-	-	-	-	-	-	50,000
PK0406	Shane & Elks Field Lighting	PL	300,000	-	-	-	-	-	-	300,000
PK0802	Neighborhood Park Development	PL	500,000	-	-	-	-	-	-	500,000
PK0318	Waterfront Trail Rip-Rap Repair	PL	6,700,000	-	-	-	-	-	-	6,700,000
<b>TOTALS</b>			<b>15,923,060</b>	<b>574,500</b>	<b>426,500</b>	<b>348,500</b>	<b>345,500</b>	<b>287,500</b>	<b>237,500</b>	<b>12,670,940</b>

PROJECT TITLE		RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking
				2019	2020	2021	2022	2023	2024	Lot
<b>ELECTRIC</b>										
CL0414	Construct New Light Ops Building	A	3,600,000	3,250,000	-	-	-	-	-	-
CL0316	Underground Cable	A	1,400,000	200,000	200,000	200,000	200,000	200,000	200,000	-
CL0118	Overhead Reconductoring	A	778,475	-	200,000	-	-	200,000	-	-
CL0218	Leasehold improvements	A	150,000	-	-	-	-	-	-	-
CL0916	"A" St & Laurel St Substations Switchgear	1	1,000,000	1,000,000	-	-	-	-	-	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course	2	260,000	260,000	-	-	-	-	-	-
CL0216	City / PUD Service Area Agreement	3	400,000	200,000	200,000	-	-	-	-	-
CL0313	Pole Replacement Program	4	1,300,000	-	650,000	-	-	650,000	-	-
CL0816	College Street Substation SwitchGear	5	500,000	-	500,000	-	-	-	-	-
CL0117	Washington Street Substation SwitchGear	6	500,000	-	500,000	-	-	-	-	-
CL0716	"F" Street Transformer	7	1,200,000	-	-	1,200,000	-	-	-	-
CL0217	I Street Substation SwitchGear	8	600,000	-	-	-	600,000	-	-	-
CL0318	Downtown Lighting & Signal Plan	PL	1,000,000	-	-	-	-	-	-	1,000,000
<b>TOTALS</b>			<b>12,688,475</b>	<b>4,910,000</b>	<b>2,250,000</b>	<b>1,400,000</b>	<b>800,000</b>	<b>1,050,000</b>	<b>200,000</b>	<b>1,000,000</b>

Key	
R	Revolving fund
A	Active
#	Priority assigned number
PL	Parking lot



PROJECT TITLE		RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking
				2019	2020	2021	2022	2023	2024	Lot
<b>SOLID WASTE TRANSFER STATION</b>										
SW0118	Metal Recycle Facility Fence	A/PL	117,000	-	-	-	-	-	-	70,000
SW0112	Decant Facility at Transfer Station	A	910,000	-	-	-	-	-	-	-
SW0117	Landfill Operating Software	A	80,000	-	-	-	-	-	-	-
SW0217	Landfill Flare Replacement	A	95,000	-	-	-	-	-	-	-
SW0218	Landfill Security Fencing	PL	200,000	-	-	-	-	-	-	200,000
<b>TOTALS</b>			<b>932,554</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>270,000</b>

PROJECT TITLE		RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking
				2019	2020	2021	2022	2023	2024	Lot
<b>STORMWATER</b>										
DR0213	H' Street Stormwater Outfall	A	510,000	-	-	-	-	-	-	-
DR0215	Francis Street Outfall Repair	A	35,000	-	-	-	-	-	-	-
DR0404	Canyon Edge & Ahlvers Stormwater	A/PL	2,424,950	-	925,000	-	-	-	-	1,425,000
DR0117	Peabody Creek Water Quality Project	A	620,000	600,000	-	-	-	-	-	-
DR0115	Liberty Street Stormwater Improvement	1/PL	3,135,000	-	-	135,000	1,000,000	-	-	2,000,000
DR0304	Laurel Street and US 101 Stormwater	4	575,000	-	-	-	-	75,000	500,000	-
DR0804	Lincoln Park/Big Boy Pond Study	5	100,000	-	-	-	-	100,000	-	-
DR0112	Valley Creek Culvert and Outfall	PL	800,000	-	-	-	-	-	-	800,000
<b>TOTALS</b>			<b>8,199,950</b>	<b>600,000</b>	<b>925,000</b>	<b>135,000</b>	<b>1,000,000</b>	<b>175,000</b>	<b>500,000</b>	<b>4,225,000</b>

PROJECT TITLE		RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking
				2019	2020	2021	2022	2023	2024	Lot
<b>WATER</b>										
WT0109	"E" Street Pressure Valve	A	295,674	-	-	-	-	-	-	-
WT0111	Liberty Street Water Main	A	421,000	355,000	-	-	-	-	-	-
WT0118	Ranney Well Roof	A	40,000	-	-	-	-	-	-	-
WT0215	Marine Dr Channel Water Main Crossing	A	60,000	-	-	-	-	-	-	-
WT0218	Reservoir Repairs	A	175,000	-	-	-	-	-	-	-
WT0315	24 inch Transmission Main Replacement	A	25,778	-	-	-	-	-	-	-
WT0415	Whidby Avenue Main Replacement	A	500,200	-	-	-	-	-	-	-
WT0518	10th Street Water Main "I to N"	A	220,000	-	-	-	-	-	-	-
WT0318	Craig Avenue Watermain	A	106,000	-	-	-	-	-	-	-
WT0512	East 4th Street Water Main	1	421,000	66,000	355,000	-	-	-	-	-
WT0612	3rd Street and Vine Street Main	2	368,200	57,200	311,000	-	-	-	-	-
WT0212	East 6th Street Water Main	3	368,200	-	57,200	311,000	-	-	-	-
WT0112	10th Street Water Main	4	1,081,000	-	-	176,000	905,000	-	-	-
WT0412	West 4th Street Water Main	5	2,276,400	-	-	-	-	202,400	1,037,000	-
WT0515	Peabody Reservoir Overflow Building	6	145,000	-	-	-	-	10,000	135,000	-
WT0717	Race/Caroline Street Fire Flow	7	760,000	-	-	-	-	-	120,000	-
WT0116	Marine Drive Main Replacement, Phase 2	PL	1,500,000	-	-	-	-	-	-	1,500,000
WT0117	Mill Creek Reservoir Expansion	PL	3,400,000	-	-	-	-	-	-	3,400,000
WT0214	Transmission Main East Golf Course Road	PL	2,275,000	-	-	-	-	-	-	2,275,000
WT0217	Airport/Edgewood Drive Extension	PL	5,000,000	-	-	-	-	-	-	5,000,000
WT0309	Morse Creek to Clallam PUD #1	PL	400,000	-	-	-	-	-	-	400,000
WT0314	Tumwater Commercial Fire Flow LID	PL	289,000	-	-	-	-	-	-	289,000
WT0317	Scribner Booster Station Upgrade	PL	1,500,000	-	-	-	-	-	-	1,500,000
WT0318	Viewcrest/Laurel Intertie/PRV	PL	200,000	-	-	-	-	-	-	200,000
WT0417	First Street/Laurel Street Fire Flow	PL	384,000	-	-	-	-	-	-	384,000
WT0418	10/11 Alley Water Main Replacement	PL	150,000	-	-	-	-	-	-	150,000
WT0517	6th/Laurel and 5th Fire Flow	PL	641,000	-	-	-	-	-	-	641,000
WT0617	Porter Street Zone PRV Improvements	PL	300,000	-	-	-	-	-	-	300,000
WT0715	Elwha Water Facilities Capital	PL	300,000	-	-	-	-	-	-	300,000
WT0817	St Andrews Place Fire Flow Loop	PL	530,000	-	-	-	-	-	-	530,000
WT0917	East First Street Fire Flow	PL	92,000	-	-	-	-	-	-	92,000
WT1017	18th Street Fire Flow	PL	480,500	-	-	-	-	-	-	480,500
WT1117	Lauridsen Blvd/Tumwater Fire Flow	PL	560,000	-	-	-	-	-	-	560,000
WT6499	McDougal Pressure Subzone	PL	700,000	-	-	-	-	-	-	700,000
<b>TOTALS</b>			<b>25,964,952</b>	<b>478,200</b>	<b>723,200</b>	<b>487,000</b>	<b>905,000</b>	<b>212,400</b>	<b>1,292,000</b>	<b>18,701,500</b>

Key	
R	Revolving fund
A	Active
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PL	Parking lot



PROJECT TITLE	RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking	
			2019	2020	2021	2022	2023	2024	Lot	
<b>WASTEWATER</b>										
WW0118	Marine Dr Sewer Repair Phase 2	A	155,000	-	-	-	-	-	-	-
WW0205	Biosolids Dewatering and Reuse	A	1,495,611	-	-	-	-	-	-	-
WW0308	Pump Station #3 Replacement	A	3,492,332	900,000	1,790,000	500,000	-	-	-	-
WW0315	Marine Channel Bridge Sewer Crossing	A	90,000	-	-	-	-	-	-	-
WW0415	Pump Station #5 Rehabilitation	A	125,000	-	-	-	-	-	-	-
WW0618	2019 Neighborhood Sewer Rehab	1	300,000	300,000	-	-	-	-	-	-
WW0815	Laurel Street Sewer Separation	2	275,000	25,000	250,000	-	-	-	-	-
WW0715	Oak Street Sewer Separation	3	275,000	25,000	250,000	-	-	-	-	-
WW0915	Pump Station #6 Improvements	4	40,000	40,000	-	-	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	5	600,000	-	50,000	150,000	400,000	-	-	-
WW0718	2020 Neighborhood Sewer Rehab	6	300,000	-	300,000	-	-	-	-	-
WW0818	2021 Neighborhood Sewer Rehab	7	300,000	-	-	300,000	-	-	-	-
WW0918	2022 Neighborhood Sewer Rehab	8	300,000	-	-	-	300,000	-	-	-
WW0516	WWTP Boiler Replacement	9	115,000	-	-	-	45,000	70,000	-	-
WW1018	2023 Neighborhood Sewer Rehab	10	300,000	-	-	-	-	300,000	-	-
WW1118	2024 Neighborhood Sewer Rehab	11	300,000	-	-	-	-	-	300,000	-
WW0110	Aeration Blower Replacement	PL	550,000	-	-	-	-	-	-	550,000
WW0216	Washington Street Sewer Lateral	PL	70,000	-	-	-	-	-	-	70,000
WW0217	Ennis Creek Force Main Removal	PL	250,000	-	-	-	-	-	-	250,000
WW0318	Sewer Comprehensive Plan	PL	150,000	-	-	-	-	-	-	150,000
WW0418	WWTP Facility Plan	PL	150,000	-	-	-	-	-	-	150,000
WW0518	Francis Street Sewer Trestle Repair	PL	50,000	-	-	-	-	-	-	50,000
WW0608	Waste Activated Sludge Thickening WWTP	PL	1,500,000	-	-	-	-	-	-	1,500,000
WW1115	1st & 2nd Streets Alley Sewer Separation	PL	120,000	-	-	-	-	-	-	120,000
WW1215	Shane Park Sewer Separation	PL	280,000	-	-	-	-	-	-	280,000
WW1315	Pine Hill Sewer Separation	PL	275,000	-	-	-	-	-	-	275,000
WW1218	Biosolids Pyrolysis	PL	2,000,000	-	-	-	-	-	-	2,000,000
<b>TOTALS</b>			<b>13,857,943</b>	<b>1,290,000</b>	<b>2,640,000</b>	<b>950,000</b>	<b>745,000</b>	<b>370,000</b>	<b>300,000</b>	<b>5,395,000</b>

PROJECT TITLE	RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking	
			2019	2020	2021	2022	2023	2024	Lot	
<b>CSO</b>										
WW0316	CSO 6 and 7 Reconstruction		166,500	150,000	-	-	-	-	-	-
WW0117	Francis Street Pigging Bypass		200,000	190,000	-	-	-	-	-	-
<b>TOTALS</b>			<b>366,500</b>	<b>340,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

DEPARTMENT	Capital Facility Plan						
	2019	2020	2021	2022	2023	2024	
<b>EQUIPMENT SERVICES</b>							
Finance	-	21,200	-	-	-	-	34,800
Community Development	-	-	-	-	-	-	-
Police	151,200	154,200	157,200	160,200	162,900	162,900	162,900
Fire & Medic 1	33,000	43,700	-	47,500	585,000	222,800	222,800
Parks & Recreation	91,000	-	79,900	30,700	92,400	41,400	41,400
Engineering	-	-	-	-	-	-	58,200
Light Ops	312,000	-	43,200	63,300	75,600	56,000	56,000
Water	42,000	159,000	38,900	-	140,000	40,300	40,300
Wastewater	62,400	-	-	-	31,400	-	-
Solid Waste	45,800	394,300	-	425,700	-	388,600	388,600
Stormwater	-	-	-	-	-	-	-
Conservation	-	-	-	-	-	-	-
Equipment Services	-	-	68,000	275,000	-	37,900	37,900
Information Services	-	-	-	-	-	39,200	39,200
Streets	481,000	249,100	253,800	27,500	-	190,600	190,600
<b>TOTALS</b>		<b>1,218,400</b>	<b>1,021,500</b>	<b>641,000</b>	<b>1,029,900</b>	<b>1,087,300</b>	<b>1,272,700</b>

Key	
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PROJECT TITLE		RANK	TOTAL PROJECT	CAPITAL FACILITIES PLAN						Parking
				2019	2020	2021	2022	2023	2024	Lot
<b>INFORMATION SERVICES</b>										
IT0918	Int. Network Segmentation & VLAN Config.	A	40,000	-	-	-	-	-	-	-
IT0214	Records Management System	A	290,589	-	-	-	-	-	-	-
IT0317	Phone System 911 Interface	A	45,000	-	-	-	-	-	-	-
IT0418	Electric Building Network	A	50,000	-	-	-	-	-	-	-
IT0118	15KVA Power Module	A	20,000	-	-	-	-	-	-	-
IT0218	Click2Gov & Fusion	1	15,000	-	-	-	-	-	-	-
IT0217	SCADA Server Replacements	2	90,000	-	-	-	-	-	-	-
IT0816	Facility/Class Mngt Scheduling	3	23,800	6,300	-	-	-	-	-	-
IT0416	Cemetery Software	4	62,500	-	-	-	-	-	-	-
IT1216	SCADA Virtual Desktop I	5	7,500	-	-	-	-	-	-	-
IT1016	Remote Access	6	7,500	-	-	-	-	-	-	-
IT1118	IT Audit	7	50,000	50,000	-	-	-	-	-	-
IT0716	ERP Road Map Maintenance	8	62,500	62,500	-	-	-	-	-	-
IT0517	EOC Operational Support	9	175,000	150,000	25,000	-	-	-	-	-
IT0417	Fire EOC Data/Communication Center	10	65,000	65,000	-	-	-	-	-	-
IT0618	Server Replacements	11	387,500	87,500	-	150,000	-	150,000	-	-
IT1018	UPS - Disaster Recovery DataCenter	12	60,000	60,000	-	-	-	-	-	-
IT0318	Remote Host	13	80,000	80,000	-	-	-	-	-	-
IT0714	Data Backup Systems	14	450,000	-	450,000	-	-	-	-	-
IT0514	Data Storage Array Systems	15	700,000	-	-	700,000	-	-	-	-
IT0518	iSeries Backup system and servers	16	250,000	-	-	-	250,000	-	-	-
IT0117	Server Replacements	PL	450,000	-	-	-	-	-	-	450,000
IT0216	Business License System	PL	125,000	-	-	-	-	-	-	125,000
IT0617	SunGard Executime Scheduling Module	PL	75,000	-	-	-	-	-	-	75,000
IT1213	Enterprise Information System	PL	3,200,000	-	-	-	-	-	-	3,200,000
<b>TOTALS</b>			<b>6,781,889</b>	<b>561,300</b>	<b>475,000</b>	<b>850,000</b>	<b>250,000</b>	<b>150,000</b>	<b>-</b>	<b>3,850,000</b>

Key	
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## FREQUENTLY ASKED QUESTIONS

### What is a capital project?

Capital is an installation or build, piece of equipment, 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 CFP/TIP (Referred to as CFP, TIP and Capital Facilities Plan in the following document). How does the City determine the project priority?

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

- 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.

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 “gives” when two or more priorities conflict with each other?

As noted in the LRFP, leveraging outside revenue sources is critical. If grant funds are applied for and received, chances are good that the grant funded project will become a priority. Grant funds awarded become new and additional revenue to the City~ or one-time revenues~ allowing the city to stretch its’ governmental dollars. The City continually looks for ways to reduce the reliance on General Fund dollars 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?**

No. See the last paragraph above. When grant funds are available chances are good that project will become a priority.

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

Yes, but not always. When grant funds are available chances are good that project will become a priority.

**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 on the other side which projects can reduce operating costs. Those impacts will be measured when the project is analyzed during the priority setting.

**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), and lodging taxes. Transportation projects can be funded by all sources mentioned for Governmental projects and additionally by the 0.02% voter approved sales tax which started in January 2018.

Utility projects, 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.

**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 cover the costs.



### **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.

### **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 to 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, etc. When funding is deemed excess and the funding is governmental in nature, that amount can be moved to any project, as long as restrictions don't prohibit the use of the funding. Grand 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 show.

### **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 as the Capital 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 overspending or over-delivering a facility that cannot be supported in coming years.

### **If I want to become more involved in the CFP process, how do I get involved?**

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 meetings. Projects and policies are continually monitored and updated with a thorough public process associated with City boards and commissions. To learn more about these opportunities please see [www.cityofpa.us](http://www.cityofpa.us).



# 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 here.

While a CFP/TIP does not cover routine maintenance, it does include renovation and major repair or reconstruction of damaged or deteriorating facilities. While capital facilities do not usually include furniture and equipment, 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 a CFP/TIP is six years. Expenditures and revenues proposed for the first year of the program are incorporated into the Budget as the Capital Budget, which is adopted in December of each year. It is important to note that this process is an ongoing activity and not once a year. It is an organic activity with new information and changing priorities shaping the program. Each time a review is carried out the City looks at the whole picture to gain a comprehensive picture of where we end up after each change.

## Why do we need a CFP/TIP?

A CFP allows the community and the City Council, to critically review and identify what is good; what can be improved; what might be needed in the future; and what other opportunities might exist. Without this comprehensive approach, consideration and approval of capital improvements 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.
- Inform citizens about the community's overall needs and resources.
- Helps decision makers save time and avoid surprises.



## THE CFP PROCESS

The development and update of the CFP/TIP is an ongoing activity. It is part of the overall budgeting and long-range forecasting activities. The current year capital improvements are implemented through the adoption of the City Budget. Specific activities in the process are:

1. **Timetable, Goals and Objectives.** At the onset of the budgeting process the CFP update begins with formal budget planning discussions between the City Manager, department heads, and the City Council. A timetable is set that extends through development and final adoption of the budget, and a review is conducted re-establishing City goals and objectives through the next budget cycle.
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.** 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 membership in one of the City's many committees or simply attend a council meeting.
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.
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 the City Staff, City Council, citizens and the City Manager. They are responsible for evaluating and prioritizing the proposals. 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 and Public Review / Adoption.** The City Council provides opportunity for public review and comment. Following incorporation of any changes the City Council formally adopts the plan.

## CITIZEN INVOLVEMENT IN THE CFP/TIP PROCESS

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 ongoing need for stable revenue sources in order to fund large or multi-year 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.

## WHAT IS INCLUDED IN THE CITY OF PORT ANGELES CFP/TIP?

As mentioned previously the City of Port Angeles CFP includes:

- Capital Projects and large single purchase items.
- Multi-year capital projects.
- One time maintenance cost (included in each fund other costs section).
- Projects of large dollar amounts that occur after the 6 year period (included in the parking lot section).

The City includes ongoing maintenance cost it does not lose sight of those expenses when finalizing its long-range financial plan.



# THE CALENDAR OF SIGNIFICANT EVENTS

	RESIDENTS	ADMINISTRATIVE STAFF	CITY MANAGER & CITY COUNCIL
THROUGHOUT THE YEAR	INPUT ON BUDGET PRIORITIES & DIRECTION THROUGH: Direct Contact with the City Manager and City Council Community wide input City Council Meetings	REVIEW OF PRIOR RESULTS Information to Council and Community on Results through project closure and spending reports Planning Training on tracking system Tracking system available	REVIEW OF PRIOR RESULTS Using input from administration and residents provides feedback and guidance to Administration on priorities
		Staff enter and update project information, adding new products	
FEBRUARY		<b>ENTER</b> Projects reviewed by staff and forwarded to Management	Council priority setting process based on input from the community and staff
		<b>PRIORITIZE</b> 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
MARCH		<b>FORMAL COUNCIL &amp; PUBLIC INPUT BEGINS</b>	
	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
APRIL		<b>BUDGET PROCESS BEGINS</b>	
		Transportation Improvement Plan filed with the State	Close public hearings and pass resolution on CFP/TIP
MAY		<b>PRIORITIZATION OF CAPITAL SPENDING</b>	
	Community wide input	Budgeting for next year begins	
JUNE		<b>BUDGET APPROVED</b>	
	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
JULY			
AUGUST THROUGH DECEMBER			



# 2018 CALENDAR OF EVENTS

<p><b>Capital Facilities Plan Timeline Kickoff</b>                  Roles and responsibilities                  Review coordination with next year Operating Plan                  Kickoff with Senior Management</p>	<p><b>January 16th</b></p>
<p><b>Training</b>                  Department training provided by Finance (as needed)</p>	<p><b>January 16th to 22nd</b></p>
<p><b>Capital Facility Plan Development Management/Division Level</b>                  Finance provide CFP documents to Departments                  * Preliminary CFP placed on Shared Directory                  Departments prepare CFP for next 6 year period                  * In recommended format                  * Includes Comprehensive Plan Objectives met                  * Includes Descriptions                  * Includes Photos                  * Includes Operation &amp; Maintenance costs                  * Address missing items on forms from prior submissions                  Develop preliminary departmental priorities</p>	<p><b>January 22nd to February 5th</b></p>
<p><b>Department Head review</b>                  * Director Level Review and approval</p>	<p><b>February 5th to February 20th</b></p>
<p><b>Submission to Finance</b></p>	<p><b>February 20th</b></p>
<p><b>Compilation of CFP Document by Finance</b>                  Cash flows                  Set meetings for review with City Manager</p>	<p><b>February 20th to February 28th</b></p>
<p><b>City Manager Review</b>                  City Manager review with Department Heads and Leadership Team  <ul style="list-style-type: none"> <li>• Transportation</li> <li>• Utilities - Electric</li> <li>• Utilities - Waste, Storm and Water, Solid Waste</li> <li>• IT</li> <li>• Equipment Services</li> </ul>                 Include change in priority and funding availability                  If needed Second Round of Discussions</p>	<p><b>March 1st to 30th</b></p>
<p><b>Final Revisions to CFP Document</b></p>	<p><b>April 1st to April 30th</b></p>
<p><b>Preliminary CFP/TIP document to City Council &amp; UAC</b></p>	<p><b>May 1st</b></p>
<p><b>CFP/TIP briefing to City Council</b>                  Precouncil presentation and discussion</p>	<p><b>May 15th</b></p>
<p><b>Council Presentation and Public Hearing</b>                  CFP 1st reading and public hearing</p>	<p><b>May 15th</b></p>
<p><b>Council and Public Hearing</b>                  CFP 2nd reading and public hearing                  CFP approval/or move forward to next meeting</p>	<p><b>June 5th</b></p>
<p><b>Public Works filing of TIP with State of Washington</b>                  Deadline for Transportation filing with Washington State</p>	<p><b>July 30th</b></p>



## LONG TERM FINANCIAL PLAN (LTFP)

- Focus on programs for City residents & businesses.
- Preserve existing infrastructure.
- Seek one-time revenue sources to be used for one-time expenditures (capital).
- Invest in employees to retain and obtain the best.
- Pursue new technologies and methods to improve service.
- Maintain capacity to respond to emerging needs.
- Address unfunded liabilities and mandates.
- Selectively recover costs.
- Recognize the link between operating and capital budgets.

## LONG TERM FINANCIAL STRATEGY GUIDELINES

### **What should the City do in the following year's budget when the financial forecast is positive?**

- Assess the situation.
- Maintain adequate reserves.
- Use one-time revenues for one-time expenditures.
- Use recurring (fee based) revenues for recurring expenses.
- Stay faithful to City goals over the long haul.
- Think carefully when considering revenue cuts.
- Think long-term.

### **What should the City do every year, whether the financial forecast is positive or negative?**

- Increase operating cost recovery.
- Pursue cost sharing and grant opportunities.

### **What should the City do in the following year's budget when the financial forecast is negative?**

- Assess the situation.
- Use reserves sparingly.
- Reduce services.
- Continue to think carefully when considering tax and utility increases.

## POLICY AND FISCAL DIRECTION

In developing the CFP, staff followed the policy and fiscal direction provided by the City Council and City Executive Staff, Comprehensive Plan, and other strategic planning sessions. This guidance includes the use of the City's Fiscal Policy, which defines the amount of debt, financing options and financial responsibility.



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 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 adopts projects that have a long-term, positive effect on community growth, enhances revenue growth, has a major influence over the cost of the City's operations, 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 people get to their destinations with ease.
- **Recreation Improvements** – The City's goal is to provide attractive gathering places for all ages.
- **Information Technology Improvements** – The City's goal is to provide computer programs and hardware that allow more efficient use of personnel's time, which allows for quick and accurate reporting options and access for the citizens to important city information.
- **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.

## PRINCIPLES OF SOUND FINANCIAL MANAGEMENT

The City of Port Angeles has a reputation for extremely sound financial management practices. This is evidenced by the City's AA - rating from Standard and Poor's. The rating was maintained even during difficult economic times due to the level of reserves held in general government and utility funds. City policy increased General Fund reserve requirements from 10% to 25% of operating expenses, and utility reserves to 90 days of operations for all utilities except Electric which is at 60 days of operations.

The CFP/TIP continues to implement the City's financial policies, including:

- Investing identified reserves of general funds in capital projects.
- Maintaining a good credit rating in the financial community and assuring taxpayers that City government is financially well managed and maintained in a sound fiscal position.
- Adhering to the highest accounting and management policies as set by the Government Finance Officers' Association, the Government Accounting Standards Board, 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 and supporting documents.
- Identifying and coordination infrastructure, facility, and equipment needs in a way that maximizes the return to the community.
- Utilizing Local Improvement Districts (LIDs) as appropriate for the funding requirements.
- 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.

**DEBT LIMITATIONS**

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.

**LEGAL DEBT MARGIN CALCULATION FOR FISCAL YEAR 2017**

<b>Debt Margin Calculations</b>	
Debt Limit	\$ 125,089,436
Total Applicable to voter debt	-
<b>Non-Voted Limit @1.5% (Councilmanic):</b>	
General Obligation Bonds	(10,996,803)
Public Works Trust Fund Loans	(241,281)
Compensated absences	(1,530,466)
Less amounts set aside for repayment of general	774,775
<b>Legal Debt Margin</b>	<b>\$ 113,095,661</b>
<b>2017 Assessed Valuation</b>	
Assessed Valuation per Clallam County for 2017	\$ 1,667,859,147

<b>Legal Debt Margin Calculation</b>	<b>%</b>	<b>Debt Used</b>	<b>Debt Available</b>
Available Public Works Government (voted)	1%	16,678,591	16,678,591
Available for Councilmanic (non-voted)	2%	33,357,183	21,363,408
Available for Parks (voted)	3%	50,035,774	50,035,774
Available for Public Works (voted)	3%	50,035,774	50,035,774
<b>Debit Limits</b>		<b>\$ 150,107,322</b>	<b>\$ 138,113,547</b>



The City has used \$11.99 million of its \$33.4 million councilmanic capacity leaving approximately \$21.4 million or 64% of non-voted debt capacity. The full amount of voted obligation bonds remain available at over \$116.8 million. The debt limitation only comes into play for general obligation debt. Revenue bonds rely on utility rates for their repayment stream. The goal of the City is to maintain the ability to provide high quality essential services in a cost effective manner. Council and staff weigh this goal against the ability to obtain the lowest possible rates. 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.

The City of Port Angeles uses debt to provide financing for mandated and essential capital projects. Currently debt issues cover the CSO project (mandated), the Landfill Bluff Stabilization (mandated), 8th Street rebuild, downtown sidewalk rebuild, the Gateway Transportation Center, expansion into the Western UGA, and utility improvements. This CFP is funded without the need for new debt.

GOVERNMENTAL ACTIVITIES DEBT SERVICE REQUIREMENTS TO MATURITY						
Year Ending 12/31	General Obligation Bonds		Public Works Trust Fund Loans		Total	
	Principal	Interest	Principal	Interest	Principal	Interest
2018	\$ 208,361	\$ 455,301	\$ 80,427	\$ 2,413	\$ 288,788	\$ 457,714
2019	467,575	449,167	80,427	1,609	548,002	450,776
2020	485,867	432,675	80,427	804	566,294	433,479
2021	1,482,000	383,372	-	-	1,482,000	383,372
2022	494,000	334,511	-	-	494,000	334,511
2023-2027	2,284,000	1,412,606	-	-	2,284,000	1,412,606
2028-2032	1,985,000	1,014,575	-	-	1,985,000	1,014,575
2033-2037	2,460,000	536,550	-	-	2,460,000	536,550
2038-2039	1,130,000	68,200	-	-	1,130,000	68,200
<b>TOTAL</b>	<b>\$ 10,996,803</b>	<b>\$ 5,086,956</b>	<b>\$ 241,281</b>	<b>\$ 4,826</b>	<b>\$ 11,238,084</b>	<b>\$ 5,091,782</b>

BUSINESS-TYPE ACTIVITIES DEBT SERVICE REQUIREMENTS TO MATURITY								
Year Ending 12/31	Revenue Bonds		Public Works Trust Fund Loans		Solid Waste Transfer Station Contracts Payable		Total	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2018	1,235,000	1,075,180	1,890,399	607,016	458,707	294,638	3,584,106	1,976,834
2019	1,530,000	1,026,280	1,915,633	576,716	486,998	266,347	3,932,631	1,869,343
2020	1,515,000	968,280	1,941,545	545,736	517,036	236,309	3,973,581	1,750,325
2021	1,575,000	910,248	1,905,511	514,061	548,925	204,419	4,029,436	1,628,727
2022	1,635,000	849,890	1,932,834	482,297	582,782	170,563	4,150,616	1,502,750
2023-2027	7,005,000	3,368,873	9,689,295	1,910,532	2,524,156	300,886	19,218,451	5,580,291
2028-2032	6,390,000	2,053,369	7,071,293	1,038,118	-	-	13,461,293	3,091,486
2033-2037	4,650,000	737,875	4,099,062	219,220	-	-	8,749,062	957,095
2038-2039	1,115,000	73,719	-	-	-	-	1,115,000	73,719
<b>TOTAL</b>	<b>\$ 26,650,000</b>	<b>\$ 11,063,713</b>	<b>\$ 30,445,572</b>	<b>\$ 5,893,695</b>	<b>\$ 5,118,605</b>	<b>\$ 1,473,162</b>	<b>\$ 62,214,177</b>	<b>\$ 18,430,570</b>



## 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	Electric Water Wastewater Solid Waste Stormwater Transportation Benefit District Tax
DEBT	
Public Works Trust Fund loan Utility Revenue Bonds LTGO Bonds	Dept of Ecology SRF loans Department of Ecology PWTF Loans
GRANTS	
State Transportation (TIB) Federal Hwy Administration Dept of Ecology	STP (State Transportation Project) 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. **Electric** – this includes providing additional infrastructure, acquisition related to urban growth areas, and providing metering and other electrical services to customers.
3. **Water** – this includes providing improved water treatment facilities, distribution lines, metering and replacement of old lines.
4. **Wastewater** - this includes providing improved wastewater treatment facilities, distribution lines, metering and replacement of old lines. Reduction of sewage into marine and streams.



5. **CSO** – includes 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 fund operation charges with reserves held for each fund.
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. **Completed Projects** – listing of recently closed projects.
12. **Links** – linking individual projects to the CFP, Comprehensive Plan and Strategic Plan when applicable.

## RELATIONSHIP BETWEEN CFP/TIP AND OPERATING BUDGETS

The City’s governmental and utility capital projects are budgeted in separate funds. 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 personnel to manage, operate and maintain. The ability of ongoing revenue to support these costs varies significantly by the type of facility. 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.

Regular maintenance costs are affected by capital construction in a variety of ways. Additionally, if bonds or loans are utilized, the cost for borrowing funds need to be included.

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 it's detail sheet. Operating costs are considered when each project is discussed during the CFP process. Regular maintenance for these facilities are budgeted in the Facilities Division budget.

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 need to show as increases in operating costs so correct financial analysis can be achieved. Public Safety projects could increase operating expenses if additional space or equipment is needed, causing an increase in utility costs and maintenance.

Information technology impacts operating budget when software and annual maintenance contracts increase for upgrades. Decreases could be seen if the new capital items reduce hours spent on a task. Economic and Community Development impacts should be neutral. Increased project spending should increase the tax base but without a direct line to the taxes this should be reported as a possible but not a guaranteed result.

## 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, 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 loans, are used to fund these projects. Projects provide new and improved infrastructure for our utility customers. These are shown in the budget 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, both internal service funds, REET #1 and #2, and Lodging Tax funds transfer or pay directly for capital projects. The capital projects for Information Technology remain in fund #502. Funding for Information Technology is based on which division/department the project benefits. These costs are allocated to those departments through the annual allocation process. The Lodging Tax Advisory Committee, in a process separate from the CFP, recommends projects to be funded from Lodging Tax revenues. Those amounts are transferred to the appropriate capital project, with funding shown as a transfer out of the Lodging Tax Fund (101). REET funds cover specific RCW allowed capital expenditures. Equipment Services charges each fund an amount annually which is held in Equipment Services for the replacement of the assigned departments' vehicles. Equipment Services works as a revolving fund with funding accumulating for each division and held until a replacement is required.





# City of Port Angeles Governmental Projects 2019

- CITYWIDE PROJECTS:**
- NICE Program
  - Alley Paving
  - Vehicles replaced

- a) Civic Field Improvements
- b) Erickson Playfield Camera
- c) Marine Drive Channel Bridge
- d) Lauridsen Blvd Overlay
- e) Peabody Culvert
- f) Peabody Chip Seal
- g) Sixteenth Street
- h) Fire Hall
  - EOC Center
  - Turnout gear
  - Defibrillators
  - Fire Hoses

## City Hall Projects

- ❖ IT Audit
- ❖ Server replacements
- ❖ Facility & Class Scheduling
- ❖ SCADA desktop interface
- ❖ Facility Security Projects
- ❖ AC for Training Room
- ❖ Conference Room chairs
- ❖ City Hall Parking Lot
- ❖ Remote Host
- ❖ UPS for Data Center
- ❖ City Hall Fire Suppression



**City of Port Angeles  
Utilities  
Projects 2019**

- a) Liberty Street Main
- b) Wastewater Pump Station #3
- c) Wastewater Treatment Plant
  - Bio solids Dewatering
- d) Water mains
- e) Canyon Edge Stormwater
- f) Oak Street Sewer Sep.
- g) Francis Street Outfall
- h) Marine Channel Bridge
  - Water
  - Wastewater

**CITYWIDE:**  
 Electric Underground  
 Neighborhood Sewers  
 Pole Replacement  
 PUD service agreements  
 • Electric  
 • Water  
 Pump Stations  
 Switchgear at Substations



CITY OF PORT ANGELES



2019 - 2024  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# GOVERNMENT PROJECTS



# GENERAL GOVERNMENT PROJECTS

CFP YEAR: 2019 - 2024  
 MANAGER: DAN MCKEEN  
 CONTACT: DMCKEEN@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. Improve public safety facilities and equipment and keep all governmental property in good working condition.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN 2019 - 2024					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 110,000	\$ 152,200	\$ 102,000	\$ 100,000	\$ 75,000	\$ 100,000	\$ 75,000
Grants	\$ 90,200	\$ 21,000	\$ 25,000	\$ 28,000	\$ -	\$ -	\$ -
Use of Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund Reserves	\$ 168,000	\$ 274,300	\$ 199,500	\$ 145,500	\$ 195,500	\$ 112,500	\$ 87,500
Donations/Insurance	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
REET/Lodging Tax	\$ 195,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
<b>TOTAL</b>	<b>\$ 613,200</b>	<b>\$ 522,500</b>	<b>\$ 401,500</b>	<b>\$ 348,500</b>	<b>\$ 345,500</b>	<b>\$ 287,500</b>	<b>\$ 237,500</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 638,200	\$ 574,500	\$ 426,500	\$ 348,500	\$ 345,500	\$ 287,500	\$ 237,500
<b>TOTAL</b>	<b>\$ 638,200</b>	<b>\$ 574,500</b>	<b>\$ 426,500</b>	<b>\$ 348,500</b>	<b>\$ 345,500</b>	<b>\$ 287,500</b>	<b>\$ 237,500</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Communications	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Depreciation	\$ 7,704	\$ 28,482	\$ 46,349	\$ 59,949	\$ 70,782	\$ 85,099	\$ 94,182
Other - monitoring contract	\$ 840	\$ 840	\$ 840	\$ 840	\$ 840	\$ 840	\$ 840
<b>TOTAL OTHER COSTS</b>	<b>\$ 8,544</b>	<b>\$ 30,322</b>	<b>\$ 48,189</b>	<b>\$ 61,789</b>	<b>\$ 72,622</b>	<b>\$ 86,939</b>	<b>\$ 96,022</b>

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

PROJECTS COMPLETED IN 2017		CFP COSTS	BUDGET
FD0115	Fire Station Generator/Electrical Upgrades	27,025	24,000
FD0116	Breathing Apparatus	218,795	220,000
FD0817	Fire Department Equipment	8,802	15,000
GG0817	Conference Room Chairs	24,142	30,000
PD0116	Mobile Data Trans	17,511	25,000
PK0217	Civic Field (Sound & Other)	88,918	90,000
PK0317	Civic Field Home Run Fence	69,723	69,900
PK0417	Calistenic Park (equipment only)	45,073	45,000
PK0517	HVAC for Sr Center & FAC	43,741	45,000
PK0617	Shane Park Fencing	5,136	7,500
PK9916	Georgiana Park equipment	109,406	110,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>658,271</b>	<b>681,400</b>

Budget reflects all council approved spending. CFP costs reflects contractual spending, and does not include internal labor which is budgeted under fund level salaries.

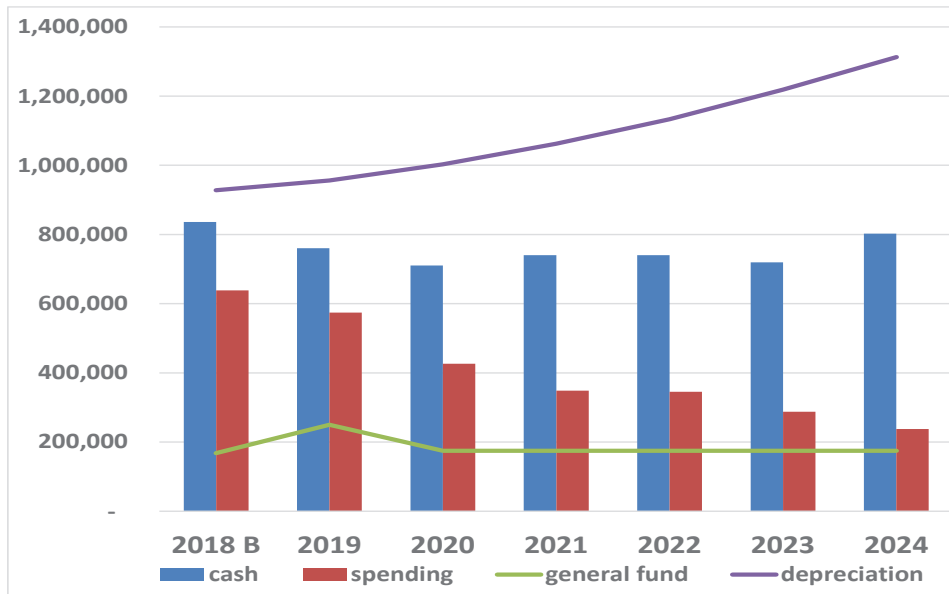


# GENERAL GOVERNMENT PROJECT LIST & CASH FLOW

Project Title	Priority	Total Project	Budget 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
<b>GENERAL GOVERNMENT</b>									
CAPGF General Government Capital	Annual	64,375	15,500	-	-	-	-	-	-
GG0303 NICE Program	Revolving	839,320	100,000	100,000	100,000	100,000	100,000	100,000	100,000
GG0916 Valley Creek Restoration Phase 3	PL	2,110,940	-	-	-	-	-	-	-
GG0418 City Entrance Monuments	PL	125,000	-	-	-	-	-	-	-
<b>PUBLIC SAFETY</b>									
PD0118 Fingerprint Machine	1	10,000	-	10,000	-	-	-	-	-
FD0318 Emergency Management Pods	2	150,000	-	50,000	-	50,000	-	50,000	-
GG0616 Fire Hall HVAC	3	36,000	-	36,000	-	-	-	-	-
FD0315 Fire Station Garage Door	4	50,000	-	-	50,000	-	-	-	-
FD0215 City-wide Alarm System Upgrade	Active	29,363	27,000	-	-	-	-	-	-
GG0716 Fire Hall Living Area	Active	50,000	50,000	-	-	-	-	-	-
PD0116 Mobile Data Terminal Replacements	Active	141,428	50,000	21,000	25,000	28,000	-	-	-
FD0114 West Side Fire Station Land	PL	200,000	-	-	-	-	-	-	-
FD0216 Fire Training Facility	PL	80,000	-	-	-	-	-	-	-
FD0316 Senior Center EOC Generator	PL	120,000	-	-	-	-	-	-	-
FD0416 Radio Transmitter Generator	PL	15,000	-	-	-	-	-	-	-
FD0799 West Side Fire Station	PL	2,125,000	-	-	-	-	-	-	-
PD0307 Police Regional Training Facility	PL	265,000	-	-	-	-	-	-	-
FD0118 Defibrillator Revolving Account	Revolving	165,000	33,000	33,000	33,000	33,000	33,000	-	-
FD0218 Self Contained Breathing App.	Revolving	150,000	-	25,000	25,000	25,000	25,000	25,000	25,000
FD0415 Fire Dept Turn-Out Gear (Revolving program)	Revolving	122,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500
FD0615 Fire Hoses	Revolving	35,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
<b>PARKS AND FACILITIES</b>									
GG1113 Facility Security Projects	2	161,268	-	112,000	31,000	-	-	-	-
GG0516 Senior Center Fire Suppression System	4	50,000	-	-	50,000	-	-	-	-
GG0416 City Hall Fire Suppression System	3	75,000	-	75,000	-	-	-	-	-
PK0218 Lincoln Park Parking Lot Paving	1	50,000	50,000	-	-	-	-	-	-
PK0115 City Hall Camera	5	75,000	-	-	-	-	75,000	-	-
PK0214 Erickson Playfield Camera	Active	40,000	40,000	-	-	-	-	-	-
PK1106 City Pier Floats	Active	268,959	40,200	-	-	-	-	-	-
PK0418 Civic Field Upgrades	Active	100,000	100,000	-	-	-	-	-	-
PK0118 Lincoln Park BMX Track Starting Hill/Gate Proj	Active	20,000	20,000	-	-	-	-	-	-
PK0307 Erickson Tennis Court Lighting	PL	80,000	-	-	-	-	-	-	-
PK0316 Locomotive #4 Refurbishment	PL	50,000	-	-	-	-	-	-	-
PK0406 Shane & Elks Field Lighting	PL	300,000	-	-	-	-	-	-	-
PK0802 Neighborhood Park Development	PL	500,000	-	-	-	-	-	-	-
PK0318 Waterfront Trail Rip-Rap Repair	PL	6,700,000	-	-	-	-	-	-	-
PK0216 Facility Improvement Revolving Fund	Revolving	105,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
PK0205 Restroom Replacement Program	Revolving	525,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
		<b>15,984,152</b>	<b>638,200</b>	<b>574,500</b>	<b>426,500</b>	<b>348,500</b>	<b>345,500</b>	<b>287,500</b>	<b>237,500</b>



# GENERAL GOVERNMENT CASH FLOW



CASH FLOW ANALYSIS		2018 B	2019	2020	2021	2022	2023	2024
Beginning balance		861,387	836,387	760,087	710,587	740,087	740,087	719,587
<b>Funding sources:</b>								
Utilities		110,000	152,200	102,000	100,000	75,000	100,000	75,000
Grants		90,200	21,000	25,000	28,000	-	-	-
AR less AP (for cash flow)		-	-	-	-	-	-	-
General Fund Funding		168,000	250,000	175,000	175,000	175,000	175,000	175,000
Donations		50,000	-	-	-	-	-	-
Other Funds		195,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>Spending:</b>								
Capital Investment		(638,200)	(574,500)	(426,500)	(348,500)	(345,500)	(287,500)	(237,500)
<b>Total Cash</b>		<b>836,387</b>	<b>760,087</b>	<b>710,587</b>	<b>740,087</b>	<b>740,087</b>	<b>719,587</b>	<b>802,587</b>
<b>Reserved for:</b>								
NICE program		501,684	501,684	501,684	501,684	501,684	501,684	501,684
PRD		72,000	72,000	72,000	72,000	72,000	72,000	72,000
Fire Safety items		117,500	117,500	117,500	117,500	117,500	117,500	117,500
Facility Replacement		18,000	-	-	-	-	-	-
Restroom Replacement		-	-	-	-	-	-	-
<b>Total Management reserves</b>		<b>709,184</b>	<b>691,184</b>	<b>691,184</b>	<b>691,184</b>	<b>691,184</b>	<b>691,184</b>	<b>691,184</b>
<b>NET Available Cash balance</b>		<b>127,203</b>	<b>50,903</b>	<b>19,403</b>	<b>48,903</b>	<b>48,903</b>	<b>28,403</b>	<b>111,403</b>
<b>Projected Depreciation</b>		<b>927,923</b>	<b>956,405</b>	<b>1,002,753</b>	<b>1,062,702</b>	<b>1,133,484</b>	<b>1,218,583</b>	<b>1,312,765</b>
<b>Cash to depreciation ratio</b>		<b>0.90</b>	<b>0.79</b>	<b>0.71</b>	<b>0.70</b>	<b>0.65</b>	<b>0.59</b>	<b>0.61</b>

Cash to Depreciation ratio is not as robust as other funds, but 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 and are intended for specific projects or activities. The City Council can set aside additional funds to maintain a balance in the capital improvement fund.



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.115099000, 123.43643400  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

At some point a fire station will need to be constructed to serve the west side of the City. Response time from the existing station to areas at the west side of the City can be excessive. \$200,000 in the parking lot.

**JUSTIFICATION:**

To provide quicker call out times to residents.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# DEFIBRILLATOR REVOLVING ACCOUNT

FD0118

PROJECT STATUS: Revolving  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 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 \$33,000.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Medic 1 Reserves	35,000	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	35,000	33,000	33,000	33,000	33,000	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 70,000</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	33,000	33,000	33,000	33,000	33,000	-	-
<b>TOTAL</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,100	2,200	3,300	4,400	5,500	5,500
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,100</b>	<b>\$ 2,200</b>	<b>\$ 3,300</b>	<b>\$ 4,400</b>	<b>\$ 5,500</b>	<b>\$ 5,500</b>

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



PROJECT STATUS: Construction  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**

Upgrade and configure new alarm systems to wireless technology. There are eleven (11) alarm points that need to be converted and four (4) fire alarm control panels requiring upgrades. Estimated costs are \$2,000 per conversion including permitting, parts, and labor.

**JUSTIFICATION:**

Pencom currently monitors several alarm systems that are located throughout the City and County. The monitoring equipment at Pencom is failing due to age. Parts are difficult to obtain and it can no longer be repaired. All systems need to be upgraded and reconfigured so they can be monitored by private monitoring services. Wireless technology will allow monitoring by the City's new system.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	27,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 27,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	79	900	900	900	900	900	900
Other - Maintenance fees	840	840	840	840	840	840	840
<b>TOTAL OTHER COSTS</b>	<b>\$ 919</b>	<b>\$ 1,740</b>	<b>\$ 1,740</b>	<b>\$ 1,740</b>	<b>\$ 1,740</b>	<b>\$ 1,740</b>	<b>\$ 1,740</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Build a facility for Fire training. Facility would be placed upon land already owned by the City. In the Parking Lot at \$80,000.

**JUSTIFICATION:**

Considered part of a larger plan to provide adequate and advanced training for fire fighting and evacuation of victims. Although considered a structure build this is considered fire training equipment. A training facility would have a positive impact on the City's score towards a favorable fire insurance rating.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: Revolving  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 15 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 equipment on a fairly regular basis. When SCBA equipment is replaced, it must all be replaced at the same time so that compatibility is maintained.

**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 lucky 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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Existing Capital Reserves	-	-	-	-	-	-	-
General Fund	-	25,000	25,000	25,000	25,000	25,000	25,000
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	25,000	25,000	25,000	25,000	25,000	25,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,667	3,333	5,000	6,667	8,333
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 3,333</b>	<b>\$ 5,000</b>	<b>\$ 6,667</b>	<b>\$ 8,333</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: KEN DUBUC

Maintenance Cost Descriptions:
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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	50,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	50,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	1,667	1,667	1,667	1,667
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>

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



# SENIOR CENTER EOC GENERATOR (Secondary City EOC)

FD0316

PROJECT STATUS: Parking Lot  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Upgrade the generator at the Senior Center to serve full requirements of the Emergency Operations Center backup for the City. The current generator is undersized. In the Parking lot at \$120,000.

**JUSTIFICATION:**

EOC command center can not function fully with current generator.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE: unknown  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 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.

**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:**

Each pod will cost approximately \$50,000. It is recommended that at least three pods be staged.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	25,000	\$ -	25,000	\$ -	25,000	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	25,000	-	25,000	-	25,000	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	50,000	-	50,000	-	50,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2,023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	1,000	1,000	1,000	1,000	1,000	1,000
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,000	1,000	2,000	2,000	3,000
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 4,000</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115099000, -123.436434000  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years.

**ABOUT THE PROJECT:**

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 replacement fund that allows for the replacement of several sets of gear on an ongoing basis.

**JUSTIFICATION:**

Turnout 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. Our current gear is reaching the end of its useful life.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	17,500	17,500	17,500	17,500	17,500	17,500	17,500
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	17,500	17,500	17,500	17,500	17,500	17,500	17,500
<b>TOTAL</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	2,917	3,500
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,917</b>	<b>\$ 3,500</b>

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



# RADIO TRANSMITTER GENERATOR (I & 10TH ST.)

FD0416

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.119436128, -123.468642710  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Add a multiple power source emergency generator to the transmitter tower. In the Parking lot at \$15,000.

**JUSTIFICATION:**

For many years we were 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. We were one of a number of agencies that cut the OPSCAN cord last year. When we did that, we became much more dependent upon the transmitter at 11th and E. That transmitter has never had an emergency power backup (and really didn’t need one until now). Unfortunately, it is not quite as simple as bringing a generator up there and plugging it in. We need an automatic power transfer that switches over to the generator and then isolates the system from the grid.

Since the generator will likely sit unused for long periods of time, we need to power it with propane. Diesel and gas fuels will spoil if they sit too long. That means we need a propane generator and a propane tank. We will also need the automatic transfer switch. All of this needs to be permitted, mounted, installed and wired.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115099000, -123.436434000  
 PROJECT MANAGER: KEN DUBUC

Maintenance Cost Descriptions:
Estimated life 30 years

**ABOUT THE PROJECT:**

Replace fire hoses of various sizes and shapes in 2015 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. These need to be replaced to maintain optimum condition and reliability. Fire hose failures can result in injuries and property loss.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	5,000	5,000	5,000	5,000	5,000	5,000	5,000
<b>TOTAL</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	833	1,667	2,500	3,333	4,167	5,000
Other - explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 833</b>	<b>\$ 1,667</b>	<b>\$ 2,500</b>	<b>\$ 3,333</b>	<b>\$ 4,167</b>	<b>\$ 5,000</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: UNKNOWN AT THIS TIME  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

As the city expands, response time on the western edge of town suffers due to the layout and access points within the City. This will allow for the building of a Fire Station on the west side of town to improve response times. Funding has not been identified so the project will remain in the Parking Lot at this time \$2,125,000.

**JUSTIFICATION:**

Improved response times.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2019	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# GENERAL GOVERNMENT MISCELLANEOUS CAPITAL

CAPGF

PROJECT STATUS: PURCHASING  
 LATITUDE / LONGITUDE: 48.118146000, -123.430741300  
 PROJECT MANAGER: VARIOUS MANAGERS

<i>Maintenance Cost Descriptions:</i>
Life expectancy 7 years

**ABOUT THE PROJECT:**

Small projects tracked in the general fund. - 2018 \$7,500 for table and chairs downtown: \$8,000 for fire pumper equipment.

**JUSTIFICATION:**

Typically operating needs determine these capital purchases.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	15,500	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 15,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	15,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 15,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,550	1,550	1,550	1,550	1,550	1,550
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,550</b>	<b>\$ 1,550</b>	<b>\$ 1,550</b>	<b>\$ 1,550</b>	<b>\$ 1,550</b>	<b>\$ 1,550</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: NATHAN WEST

*Maintenance Cost Descriptions:*  
 These funds are transferred to other funds/divisions for viable projects which enhance economic development within the City. Estimated life 30 years.

**ABOUT THE PROJECT:**

Infrastructure improvements to electric, water, wastewater and streets for stimulating economic development. Cost is estimated to be \$100,000. This is a revolving program, if a specific economic development need is not addressed each year the funds will accumulate for future projects.

**JUSTIFICATION:**

To stimulate economic development in outlying residential areas, and proposed to extend utilities and street infrastructure in targeted areas. Costs to be recovered by connection charges, LID, and/or late comer agreements, plus increased tax revenues.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	100,000	100,000	100,000	100,000	100,000	100,000	100,000
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	2,000	4,000	6,000	8,000	10,000	12,000
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 2,000</b>	<b>\$ 4,000</b>	<b>\$ 6,000</b>	<b>\$ 8,000</b>	<b>\$ 10,000</b>	<b>\$ 12,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
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 past its lifespan.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2019	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
GEMT	-	75,000	-	-	-	-	-
Donations	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	75,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	2,500	2,500	2,500	2,500	2,500
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>

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



PROJECT STATUS: Parking Lot  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: Allyson Brekke

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Install gateway/entrance monuments at the eastern and western HWY 101 entrances into the City of Port Angeles. In the Parking Lot at \$125,000.

**JUSTIFICATION:**

To support streetscape improvements along the City’s primary commercial arterial.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance/PRD	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.112448, -123.432015  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
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 past its lifespan.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2019	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	25,000	-	25,000	-	-	-	-
Donations	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	50,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	1,667	1,667	1,667	1,667
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Replacement of the rooftop heat pumps for the fire station and heaters in the training room.

**JUSTIFICATION:**

The current system is past its lifespan.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2019	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	36,000	-	-	-	-	-
Donations	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 36,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	36,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 36,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,200	1,200	1,200	1,200	1,200
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>

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



PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Replace cabinets and counters in the kitchen in the Fire Station. Replace carpeting, and three refrigerators.

**JUSTIFICATION:**

The current kitchen cabinets, counters, appliances and carpeting are in poor repair due to age. \$20,000 was funded in 2017 and another in 2018. Savings from operations in Fire Department operations is funding the remainder.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	30,000	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	50,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,667	1,667	1,667	1,667	1,667	1,667
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.118146000, -123.430741300  
 PROJECT MANAGER: NATHAN WEST

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

In 2010, the City of Port Angeles, with SRFB funding, hired Waterfall Engineering to develop a design for Phase 3 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 a 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 permit application forms (JARPA, SEPA). 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, 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 backwatered 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 1) and beyond. Valley Creek Restoration Phase 2 improved instream and riparian habitat between the Highway 101 culvert and the Valley Creek Restoration Phase 3 reach. The Valley Creek watershed was ranked as 14th priority and the system priority is listed as Medium. Valley Creek is located in WRIA 18. Estimated total project cost is \$2,500,000. This includes design and permitting updates, construction and construction management, and riparian plantings. \$2,500,000 in parking lot.

**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.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.115099000, 123.43643400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**

Installation of a turn-key proximity access control system allowing for a more secure work environment.

**JUSTIFICATION:**

The current lock/key access control system is insecure. Utilizing proximity cards and readers for primary buildings and facilities will allow levels of access to be assigned, and provide audit information on building and door entry. Removes the issues of loss keys or unauthorized entry by non-employees as well as immediate deactivation upon termination or a security incident. Additionally, specified cards will be compatible with the new payroll time-tracking system that was implemented in 2015.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 52,200	\$ 27,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	7,800	4,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ 31,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	112,000	31,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 112,000</b>	<b>\$ 31,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	3,733	4,767	4,767	4,767	4,767
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,733</b>	<b>\$ 4,767</b>	<b>\$ 4,767</b>	<b>\$ 4,767</b>	<b>\$ 4,767</b>

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



PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: BRIAN SMITH/ELIZABETH STRAIT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Systematic replacement of Mobile Data Terminals in Police patrol and investigation vehicles. This will be a 4-part phased approach to replacing computers with approximately 25 units at \$5,000 each being replaced over the first three years, with additional units being purchased in each of the next four years.

**JUSTIFICATION:**

Current terminals are beyond useful life.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	50,000	21,000	25,000	28,000	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ 21,000</b>	<b>\$ 25,000</b>	<b>\$ 28,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	50,000	21,000	25,000	28,000	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ 21,000</b>	<b>\$ 25,000</b>	<b>\$ 28,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,667	2,367	3,200	4,133	4,133	4,133
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 2,367</b>	<b>\$ 3,200</b>	<b>\$ 4,133</b>	<b>\$ 4,133</b>	<b>\$ 4,133</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.115099000, -123.43643400  
 PROJECT MANAGER: Corey Delikat

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**  
 Replacement of fingerprint machine

**JUSTIFICATION:**  
 Old machine is worn out and requires an update. No maintenance is being offered at this time on the old machine.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	10,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	10,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	333	333	333	333	333
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 333</b>	<b>\$ 333</b>	<b>\$ 333</b>	<b>\$ 333</b>	<b>\$ 333</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.127863209, -123.50857583  
 PROJECT MANAGER: BRIAN SMITH

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Upgrade of existing firearms training facility or the purchase of land and buildings for a new training center. This will remain in the parking lot until funding is determined at \$80,000.

**JUSTIFICATION:**

The current firearms training facility requires costly maintenance and upgrades the way it is currently configured. This will lower maintenance and provide a safe training environment.

	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.115099000, 123.43643400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

The City Hall camera system is outdated and is in need of replacing so we can continue to monitor and protect our infrastructure. The new camera system will give us the ability to be hooked up to the new system, enabling PAPD and Pencom monitoring of City Hall. This camera replacement will complete the upgrades.

**JUSTIFICATION:**

The existing camera system at City Hall is between 15-20 years old and is in need of replacement and is part of a systematic replacement plan.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	75,000	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	75,000	-	-
	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	2,500	2,500
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500	\$ 2,500

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



PROJECT STATUS: Construction  
 LATITUDE / LONGITUDE:  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

During the 2018 Lodging Tax Funding process, the Lincoln Park BMX Association was awarded \$50,000 in funds to improve the starting hill and gate. An additional \$50,000 of labor, materials, and equipment will also be donated towards the \$100,000 project. \$20,000 was approved by council to be spent from the capital fund (with the funding from lodging tax reduced by \$20,000 for the direct payment for improvements for the BMX track.) Only \$20,000 will be spent from the capital fund, the remaining amount will be paid by the BMX track directly.

**JUSTIFICATION:**

Funded from lodging tax, and approved by Council.

	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants (.1% sales tax)	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Lodging taxes	20,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	20,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	667	667	667	667	667	667
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 667</b>	<b>\$ 667</b>	<b>\$ 667</b>	<b>\$ 667</b>	<b>\$ 667</b>	<b>\$ 667</b>

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



# RESTROOM REPLACEMENT PROGRAM

PK0205

PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115099000, 123.43643400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

This project involves the replacement of the 40-50 year old concrete block public restrooms with prefabricated restrooms that meet ADA requirements, are easy to maintain, and withstand vandalism. The replacements will be done in the following order, Elks Playfield, Shane Park, Ediz Hook, and downtown restrooms. This allows for one restroom replacement every other year at \$150,000.

**JUSTIFICATION:**

The restroom facilities listed are between 40-50 years old and are no longer adequate for their intended use. They should be brought up to building code standards. As part of the Comprehensive Park Plan, the citizen survey identified public restrooms improvements as a high priority.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET#1	75,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	75,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	2,500	5,000	7,500	10,500	12,500	15,000
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 2,500</b>	<b>\$ 5,000</b>	<b>\$ 7,500</b>	<b>\$ 10,500</b>	<b>\$ 12,500</b>	<b>\$ 15,000</b>

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



PROJECT STATUS: Construction  
 LATITUDE / LONGITUDE: 48.111133900, -123.421895500  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Replacement of the current playfield camera with technologically advanced systems and software, allowing for clearer reception and pictures. The camera is used for security and surveillance at the park. This was funded for 2016 and rolled over in 2017 and again in 2018. Project will be complete in the second quarter of 2018 with a cost of \$40,000.

**JUSTIFICATION:**

The current camera has reached the end of its useful life.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	40,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,333	1,333	1,333	1,333	1,333	1,333
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,333</b>	<b>\$ 1,333</b>	<b>\$ 1,333</b>	<b>\$ 1,333</b>	<b>\$ 1,333</b>	<b>\$ 1,333</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.12098990, -123.428029400  
 PROJECT MANAGER: COREY DELIKAT

*Maintenance Cost Descriptions:*  
 This is a revolving fund used to fund future projects. Estimated life 30 years.

**ABOUT THE PROJECT:**

This project is to create a funding source for aging City facilities. The idea is to place \$15,000 into a revolving account annually. This would 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 \$100,000 available for planned and emergency repairs.

**JUSTIFICATION:**

If not funded, we will continue to struggle to fund and repair our infrastructure.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	15,000	15,000	15,000	15,000	15,000	15,000	15,000
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

OTHER OPERATING COST	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	300	600	900	1,200	2,500	3,000
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 300</b>	<b>\$ 600</b>	<b>\$ 900</b>	<b>\$ 1,200</b>	<b>\$ 2,500</b>	<b>\$ 3,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: NOT AVAILABLE  
 PROJECT MANAGER: COREY DELIKAT

Maintenance Cost Descriptions:
Estimated life 30 years

**ABOUT THE PROJECT:**

The Parks & Recreation Department is working with other government agencies, youth sports groups, and citizen donations to pave the Lincoln Park Parking Lot off “L” Street. Estimated cost is \$50,000.

**JUSTIFICATION:**

The heavily used parking lot at Lincoln is in bad shape and in need of refurbishing.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants (.1% sales tax)	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	50,000	-	-	-	-	-	-
Lodging taxes	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	50,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,667	1,667	1,667	1,667	1,667	1,667
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>

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



# ERICKSON PLAYFIELD TENNIS COURT LIGHTING PK0307

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.111133900, -123.421895500  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

In 2007, the Erickson Tennis Courts were redesigned and resurfaced from CFP funds, grants, and donations from the Peninsula Tennis Club. The power conduit already exists and poles and lighting are needed. The Erickson Tennis Courts have the heaviest use and highest priority. Currently there are no lighted tennis courts in our park system. In the parking lot at \$80,000.

**JUSTIFICATION:**

The court usage is restricted to daytime hours without lighting.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Electricity	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.12098990, -123.428029400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
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. In the parking lot until funding can be secured at \$50,000.

**JUSTIFICATION:**

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

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: Parking Lot  
 LATITUDE / LONGITUDE: NOT AVAILABLE  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Winter storms continue to deplete the shoring armor and create undermining within the Waterfront Trail (Morse Creek to City Pier). The General Fund is to fund \$100,000 towards protecting this asset. Remains in the parking lot at \$6.7 million.

**JUSTIFICATION:**

If repairs are not completed, sections of the trail may be lost.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants (.1% sales tax)	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Lodging taxes	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# SHANE & ELKS FIELD LIGHTING REPLACEMENT

PK0406

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.123308239, -123.462789057  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

The sports lighting system at Shane Park and Elks Playfield are more than 40 years old. Much like Civic Field, the lighting system is past its lifespan and parts to replace the fixtures are obsolete. The wooden poles that support these fixtures also need to be replaced. Grants are expected to fund at least 50% of these replacements with the remainder from the General Fund. Expected cost at \$300,000 in the parking lot.

**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 City’s recreation programs and revenue stream if games could not be held.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE: 48.111704300, -123.418968700  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
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. The Lodging Tax committee approved Lodging Tax funds were approved for this project.

**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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
From Capital Reserves -GF	-	-	-	-	-	-	-
From PASD donations	-	-	-	-	-	-	-
Lodging Tax	100,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	100,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	3,333	3,333	3,333	3,333	3,333	3,333
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.118146000, -123.430741300  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

This project will provide rehabilitation and renovation of our neighborhood parks. Improvements will include the replacement of playgrounds, fencing, facility rental upgrades, signage, parking lot repairs, restroom upgrades, landscaping and aesthetic improvements. In the parking lot at \$500,000.

**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 and with plans to remove more in the near future. Some of the neighborhood parks are “open spaces”, causing them to be one dimensional, providing limited activities for children and adults.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE: 48.12098990, -123.43643400  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

This project involves the replacement of the moorage floats at the City Pier, which were originally purchased in 1993. In 2012, the single east moorage float was removed due to the rotting condition of the float and the damage it was causing to the structural integrity of the pier. In 2013, the remaining moorage floats were decommissioned and surplusued due to severe rot, safety concerns and future pile damage. REET will contribute the grant match.

**JUSTIFICATION:**

If the floats are not replaced, moorage will continue to be unavailable at the City Pier, along with associated revenues.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	40,200	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 40,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	40,200	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 40,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	7,625	8,965	8,965	8,965	8,965	8,965	8,965
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ 7,625</b>	<b>\$ 8,965</b>	<b>\$ 8,965</b>	<b>\$ 8,965</b>	<b>\$ 8,965</b>	<b>\$ 8,965</b>	<b>\$ 8,965</b>

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



CITY OF PORT ANGELES



2019 - 2024  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# ELECTRIC

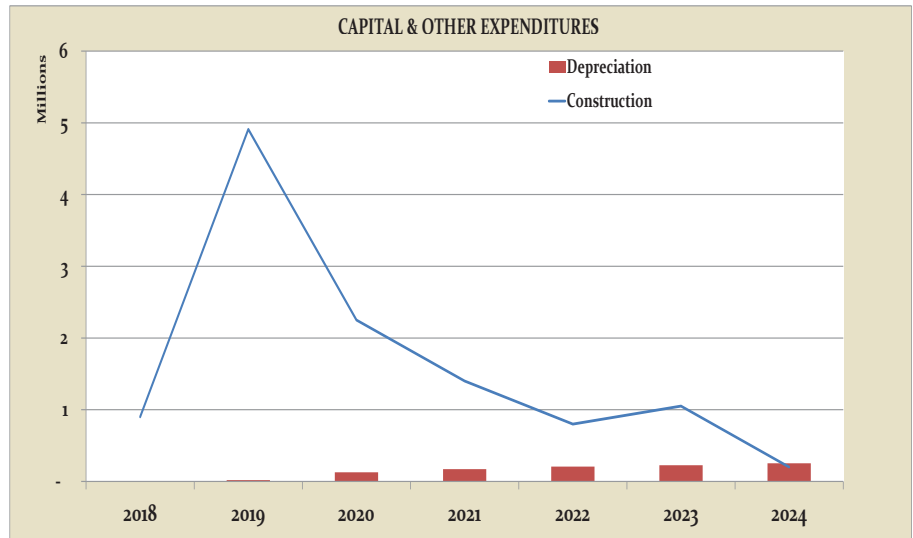


# ELECTRIC FUND CAPITAL FACILITY PLAN

CFP YEAR: 2019 - 2024  
 MANAGER: SHAILESH SHERE  
 CONTACT: SSHERE@CITYOFPA.US  
 PHONE: 360-417-4702

## 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	Budget 2018	CAPITAL FACILITIES PLAN 2018 - 2023					
		2019	2020	2021	2022	2023	2024
Electric Reserves Planned Use	\$ 900,000	\$ 4,910,000	\$ 2,250,000	\$ 1,400,000	\$ 800,000	\$ 1,050,000	\$ 200,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 900,000</b>	<b>\$ 4,910,000</b>	<b>\$ 2,250,000</b>	<b>\$ 1,400,000</b>	<b>\$ 800,000</b>	<b>\$ 1,050,000</b>	<b>\$ 200,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	350,000	150,000	60,000	-	70,000	-	-
Construction	550,000	4,760,000	1,690,000	1,400,000	730,000	1,050,000	200,000
<b>TOTAL</b>	<b>\$ 900,000</b>	<b>\$ 4,910,000</b>	<b>\$ 1,750,000</b>	<b>\$ 1,400,000</b>	<b>\$ 800,000</b>	<b>\$ 1,050,000</b>	<b>\$ 200,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	681	18,396	126,539	171,717	206,717	226,717	253,681
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>681</b>	<b>18,396</b>	<b>126,539</b>	<b>171,717</b>	<b>206,717</b>	<b>226,717</b>	<b>253,681</b>

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

PROJECTS COMPLETED IN 2017		Actual	Budget
CLo616	Overhead Reconductoring	200,325	200,000
Mass Asset	Poles/Overhead/Distribution	180,539	505,000
CAPEL	Equipment Purchases	120,844	15,000
CLo212	Yard/Area Lighting	35,564	90,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>537,272</b>	<b>810,000</b>

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

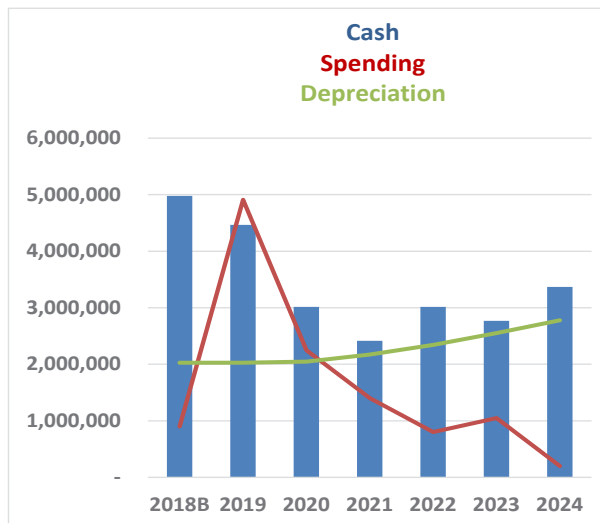


# ELECTRIC PROJECT LIST & CASH FLOW

PROJECT TITLE	RANK	TOTAL PROJECT	Budget 2018	2019	2020	2021	2022	2023	2024
<b>ELECTRIC</b>									
CL0218 Leasehold improvements	A	150,000	150,000	-	-	-	-	-	-
CL0118 Overhead Reconductoring	A	778,475	200,000	-	200,000	-	-	200,000	-
CL0316 Underground Cable Replacement	A	1,400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
CL0414 Construct New Light Ops Building	A	3,600,000	350,000	3,250,000	-	-	-	-	-
CL0916 Replace "A" St & Laurel St Substations Switchgear	1	1,000,000	-	1,000,000	-	-	-	-	-
CL0202 Feeder Tie Hwy 101, Porter to Golf Course Rd	2	260,000	-	260,000	-	-	-	-	-
CL0216 City / PUD Service Area Agreement	3	400,000	-	200,000	200,000	-	-	-	-
CL0313 Pole Replacement Program	4	1,300,000	-	-	650,000	-	-	650,000	-
CL0816 College Street Substation SwitchGear	5	500,000	-	-	500,000	-	-	-	-
CL0117 Washington Street Substation SwitchGear	6	500,000	-	-	500,000	-	-	-	-
CL0716 "F" Street Transformer	7	1,200,000	-	-	-	1,200,000	-	-	-
CL0217 I Street Substation SwitchGear	8	600,000	-	-	-	-	600,000	-	-
CL0318 Downtown Lighting and Signal Improvement Plan	PL	1,000,000	-	-	-	-	-	-	-
		<b>12,688,475</b>	<b>900,000</b>	<b>4,910,000</b>	<b>2,250,000</b>	<b>1,400,000</b>	<b>800,000</b>	<b>1,050,000</b>	<b>200,000</b>

CASH FLOW ANALYSIS	2018B	2019	2020	2021	2022	2023	2024
Beginning Cash Balance	4,803,264	4,976,964	4,466,964	3,016,964	3,016,964	3,016,964	2,766,964
<b>Funding sources:</b>							
Electric Rates Transfer	1,073,700	800,000	800,000	800,000	800,000	800,000	800,000
For building from Reserves	-	3,600,000	-	-	-	-	-
Adjustments for cash timing	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Operating Capital spending	-	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(900,000)	(4,910,000)	(2,250,000)	(1,400,000)	(800,000)	(1,050,000)	(200,000)
Ending Cash Balance	4,976,964	4,466,964	3,016,964	2,416,964	3,016,964	2,766,964	3,366,964
Depreciation	2,027,644	2,028,325	2,046,721	2,173,259	2,344,976	2,551,693	2,778,410
Depreciation to Cash Ratio	2.45	2.20	1.47	1.11	1.29	1.08	1.21
COSA 2017	1,073,700	800,000	800,000	800,000	800,000	800,000	800,000

Electric reserves include a transfer in 2018 of funds held for the design of a new Light Operations building from the sale of the old warehouse. Cash reserves from rate stabilization will be used in 2019 to fund the construction of the new building. This transfer is estimated at \$2.25 million.



# REPLACE WASHINGTON STREET SUBSTATION SWITCHGEAR

CL0117

PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.10753, -123.443652  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

## ABOUT THE PROJECT:

Replace the Washington Street substation switchgear.

## JUSTIFICATION:

The current switchgear is near the end of its usable life.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	60,000	-	-	-	-
Construction	-	-	440,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	12,500	12,500	12,500	12,500
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE:  
 48.10753, -123.443652  
 PROJECT MANAGER: SHAILESH SHERE



<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

**ABOUT THE PROJECT:**  
 Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR).

**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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	200,000	-	200,000	-	-	200,000	-
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	681	6,396	6,396	12,110	12,110	12,110	17,824
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ 681</b>	<b>\$ 6,396</b>	<b>\$ 6,396</b>	<b>\$ 12,110</b>	<b>\$ 12,110</b>	<b>\$ 12,110</b>	<b>\$ 17,824</b>

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



# FEEDER TIE HWY 101, PORTER TO GOLF COURSE ROAD

CL0202

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.107766232, -123.406637937  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

### ABOUT THE PROJECT:

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

### JUSTIFICATION:

To provide contingency power for the area mentioned, should the substation fail.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 260,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	30,000	-	-	-	-	-
Construction	-	230,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 260,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	7,429	7,429	7,429	7,429	7,429
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,429</b>	<b>\$ 7,429</b>	<b>\$ 7,429</b>	<b>\$ 7,429</b>	<b>\$ 7,429</b>

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



PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE:  
 48.113173963, -123.458729092  
 PROJECT MANAGER: SHAILESH SHERE



<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**  
 Defining City electric utility limits, transfer of 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.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	200,000	200,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	5,714	11,429	11,429	11,429	11,429
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 11,429</b>	<b>\$ 11,429</b>	<b>\$ 11,429</b>	<b>\$ 11,429</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.125778, -123.468039  
 PROJECT MANAGER: SHAILESH SHERE

Maintenance Cost Descriptions:
Estimated life 40 years

**ABOUT THE PROJECT:**

Replace I Street Substation Switchgear.

**JUSTIFICATION:**

The current switchgear is near the end of its usable life.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	70,000	-	-
Construction	-	-	-	-	530,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	15,000	15,000
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.125778, -123.468039  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 2 years.

**ABOUT THE PROJECT:**

Leasehold Improvements and security upgrades to move the Light Operations inventory and vehicle storage to Highway 101 west formally known as Atlas Trucking. Add fencing, move materials, purchase shelving, and improve offices and communications. Phone, internet, and intranet are being addressed by Information Technologies project #ITo418.

**JUSTIFICATION:**

The Port of Port Angeles has requested the City move out of its current location so the neighboring company can expand into the space currently occupied by the City. The move is expected to be completed by June 1, 2018.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	150,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.118146000, -123.430741300  
 PROJECT MANAGER: SHAILESH SHERE



Maintenance Cost Descriptions:
Estimated life 40 years

**ABOUT THE PROJECT:**  
 Replace 600 wood poles on the City’s electric distribution system every three years. Some will be upgraded to fiberglass as needed.

**JUSTIFICATION:**  
 To maintain all 8,000 poles it is necessary to replace 600 poles per year. This schedule allows the City to replace poles in an orderly manner.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ 650,000	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	650,000	-	-	650,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	16,250	16,250	16,250	32,500
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,250</b>	<b>\$ 16,250</b>	<b>\$ 16,250</b>	<b>\$ 32,500</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.118146000, -123.430741300  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

### ABOUT THE PROJECT:

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually.

### 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.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	200,000	200,000	200,000	200,000	200,000	200,000	200,000
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	5,000	10,000	15,000	20,000	25,000	30,000
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 5,000</b>	<b>\$ 10,000</b>	<b>\$ 15,000</b>	<b>\$ 20,000</b>	<b>\$ 25,000</b>	<b>\$ 30,000</b>

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



# DOWNTOWN LIGHTING & SIGNAL improvements

CL0318

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.118146000, -123.430741300  
 PROJECT MANAGER: SHAILESH SHERE

Maintenance Cost Descriptions:
Estimated life 40 years

**ABOUT THE PROJECT:**

Improve public safety and improve pedestrian lighting by replacing the street light and signal poles and parking lot light poles, within the downtown Parking Improvement District. In the parking lot at \$1,000,000.

**JUSTIFICATION:**

Provides pedestrian scale lighting to a primary commercial corridor, while ensuring standards for vehicle traffic maintained.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.1181460000, -123.430741300  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

The Electric Fund purchased acreage next to the City’s Corp Yard to build a new light operations facility. Design will be complete in 2018. The building cost is estimated at \$3,250,000.

**JUSTIFICATION:**

The monthly lease for the Light Ops facility is over \$7,000/month, or \$84,000 per year (plus property taxes of \$5,000 annually). A City owned facility will eliminate the continually increasing lease payments. The facility can also be designed to house the backup IT server farm. When the previous building was sold, \$650,000 was set aside to offset the future costs of building a replacement, \$350,000 was used to purchase land in 2016 leaving \$350,000 available for design purposes.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ 350,000	\$ 3,250,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 350,000</b>	<b>\$ 3,250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	350,000	-	-	-	-	-	-
Construction	-	3,250,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 350,000</b>	<b>\$ 3,250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	7,000	72,000	72,000	72,000	72,000	72,000
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 7,000</b>	<b>\$ 72,000</b>	<b>\$ 72,000</b>	<b>\$ 72,000</b>	<b>\$ 72,000</b>	<b>\$ 72,000</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.10753, -123.443652  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

**ABOUT THE PROJECT:**

Replace F Street substation transformer.

**JUSTIFICATION:**

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

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	1,200,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	30,000	30,000	30,000
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE:  
 48.107536, -123.443652  
 PROJECT MANAGER: SHAILESH SHERE



<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

**ABOUT THE PROJECT:**  
 Replace College Street substation switch gear.

**JUSTIFICATION:**  
 The current switch gear is near the end of its usable life.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	60,000	-	-	-	-
Construction	-	-	440,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	12,500	12,500	12,500	12,500
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>

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



# REPLACE "A" STREET & LAUREL STREET Substations

CL0916

PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.111238, -123.418514  
 PROJECT MANAGER: SHAILESH SHERE

Maintenance Cost Descriptions:
Estimated life 40 years

### ABOUT THE PROJECT:

Replace the "A" Street and Laurel Street substation switchgear.

### JUSTIFICATION:

The current switchgear is past the end of its usable life and has shown multiple signs of imminent failure in both substations.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
		1,000,000	-	-	-	-	-
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	120,000	-	-	-	-	-
Construction	-	880,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	25,000	25,000	25,000	25,000	25,000
Other - explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>

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



# WATER



# WATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2019 - 2024  
 MANAGER: TERESA REED-JENNINGS  
 CONTACT: TRJENNING@CITYOFPA.US  
 PHONE: 360-417-4800

PROJECTS COMPLETED IN 2017	ACTUAL	Budget
CAPWT - Misc operating capital	17,095	55,000
<b>TOTAL COMPLETED PROJECTS</b>	<b>17,095</b>	<b>55,000</b>

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

## WATER FUND GOALS AND OBJECTIVES:

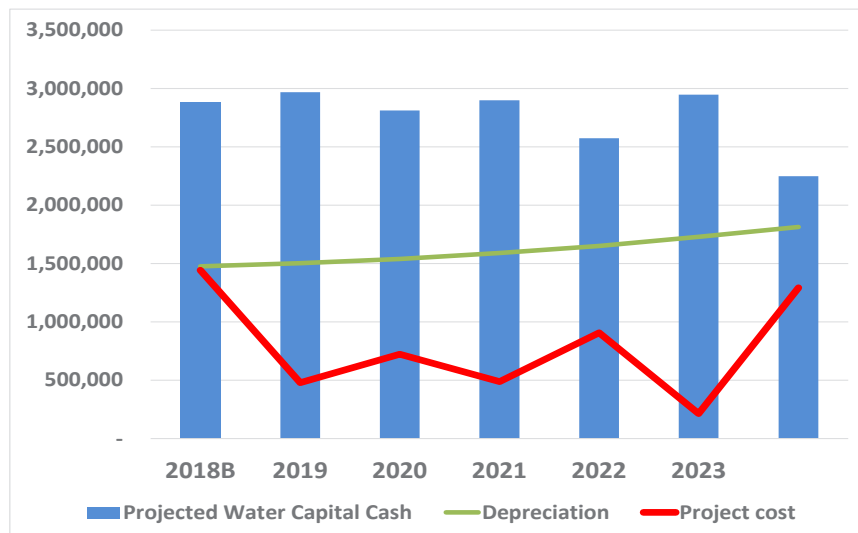
Maintain, replace and improve water infrastructure from transmission lines to meters within the City. The goal is provide clean drinking water useable for all potable purposes.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Use of existing reserves	1,330,700	478,200	723,200	487,000	905,000	212,400	1,292,000
Use of rates	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Stormwater fund	21,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,352,200</b>	<b>\$ 478,200</b>	<b>\$ 723,200</b>	<b>\$ 487,000</b>	<b>\$ 905,000</b>	<b>\$ 212,400</b>	<b>\$ 1,292,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	175,200	123,200	57,200	176,000	-	212,400	255,000
Construction	1,266,800	355,000	666,000	311,000	905,000	-	1,037,000
<b>TOTAL</b>	<b>\$ 1,442,000</b>	<b>\$ 478,200</b>	<b>\$ 723,200</b>	<b>\$ 487,000</b>	<b>\$ 905,000</b>	<b>\$ 212,400</b>	<b>\$ 1,292,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	2,329	26,569	36,133	50,597	60,337	78,437	82,685
Other -Maint & Plans	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>#REF!</b>	<b>#REF!</b>	<b>#REF!</b>	<b>#REF!</b>	<b>#REF!</b>	<b>#REF!</b>	<b>#REF!</b>

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



# WATER PROJECT LIST & CASH FLOW

	PROJECT TITLE	PRIORITY	TOTAL PROJECT COSTS	2018	2019	2020	2021	2022
WT0109	"E" Street Pressure Valve	A	280,674	185,000	-	-	-	-
WT0111	Liberty Street Water Main	A	421,000	66,000	355,000	-	-	-
WT0118	Ranney Well Roof	A	40,000	40,000	-	-	-	-
WT0215	Marine Dr Channel Water Main Crossing Replacement	A	60,000	60,000	-	-	-	-
WT0218	Reservoir Repairs	A	175,000	175,000	-	-	-	-
WT0315	24 inch Transmission Main Replacement	A	25,778	5,000	-	-	-	-
WT0415	Whidby Avenue Main Replacement	A	575,000	575,000	-	-	-	-
WT0618	Craig Avenue Watermain	A	106,000	106,000	-	-	-	-
WT0518	10th Street Water Main "I to N"	A	230,000	230,000	-	-	-	-
WT0512	East 4th Street Water Main	1	421,000	-	66,000	355,000	-	-
WT0612	3rd Street and Vine Street Main	2	368,200	-	57,200	311,000	-	-
WT0212	East 6th Street Water Main	3	368,200	-	-	57,200	311,000	-
WT0112	10th Street Water Main	4	1,081,000	-	-	-	176,000	905,000
WT0412	West 4th Street Water Main	5	2,276,400	-	-	-	-	-
WT0515	Peabody Reservoir Emergency Overflow Building	6	145,000	-	-	-	-	-
WT0717	Race/Caroline Street Fire Flow	7	760,000	-	-	-	-	-
WT0116	Marine Drive Main Replacement, Phase 2	PL	1,500,000	-	-	-	-	-
WT0117	Mill Creek Reservoir Expansion	PL	3,400,000	-	-	-	-	-
WT0214	Transmission Main East of Golf Course Road	PL	2,275,000	-	-	-	-	-
WT0217	Airport/Edgewood Drive Water Main Extension	PL	5,000,000	-	-	-	-	-
WT0309	Morse Creek Water Mains to Clallam PUD #1	PL	400,000	-	-	-	-	-
WT0314	Tumwater Truck Rt Commercial Fire Flow LID	PL	289,000	-	-	-	-	-
WT0317	Scribner Booster Station Upgrade	PL	1,500,000	-	-	-	-	-
WT0318	Viewcrest/Laurel Intertie/PRV	PL	200,000	-	-	-	-	-
WT0417	First Street/Laurel Street Fire Flow	PL	384,000	-	-	-	-	-
WT0418	10/11 Alley Water Main Replacement	PL	150,000	-	-	-	-	-
WT0517	6th/Laurel and 5th Fire Flow	PL	641,000	-	-	-	-	-
WT0617	Porter Street Zone PRV Improvements	PL	300,000	-	-	-	-	-
WT0715	Elwha Water Facilities Capital	PL	300,000	-	-	-	-	-
WT0817	St Andrews Place Fire Flow Loop	PL	530,000	-	-	-	-	-
WT0917	East First Street Fire Flow	PL	92,000	-	-	-	-	-
WT1017	18th Street Fire Flow	PL	480,500	-	-	-	-	-
WT1117	Lauridsen Blvd/Tumwater Fire Flow	PL	560,000	-	-	-	-	-
WT6499	McDougal Pressure Subzone	PL	700,000	-	-	-	-	-
			<b>26,034,752</b>	<b>1,442,000</b>	<b>478,200</b>	<b>723,200</b>	<b>487,000</b>	<b>905,000</b>

CASH FLOW ANALYSIS	2018B	2019	2020	2021	2022	2023	2024
	3,748,201	2,883,701	2,967,501	2,812,301	2,899,301	2,574,301	2,947,901
<b>Funding sources:</b>							
Utilities rates*	556,000	562,000	568,000	574,000	580,000	586,000	592,000
Timing AR/AP	-	-	-	-	-	-	-
Bonds/ other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Stormwater Fund	21,500	-	-	-	-	-	-
<b>Spending:</b>							
Project Costs	(1,442,000)	(478,200)	(723,200)	(487,000)	(905,000)	(212,400)	(1,292,000)
	2,883,701	2,967,501	2,812,301	2,899,301	2,574,301	2,947,901	2,247,901
Depreciation	1,476,845	1,503,414	1,539,547	1,590,144	1,650,481	1,728,918	1,811,603
Depreciation to Cas	1.95	1.97	1.83	1.82	1.56	1.71	1.24

Increasing funding at slight levels to be offset with increased consumption and slight rate adjustments.



# "E" STREET PRESSURE VALVE

WT0109

PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE:  
 123.462745, 48.119921  
 PROJECT MANAGER: JEFF BENDER

**Maintenance Cost Descriptions:**

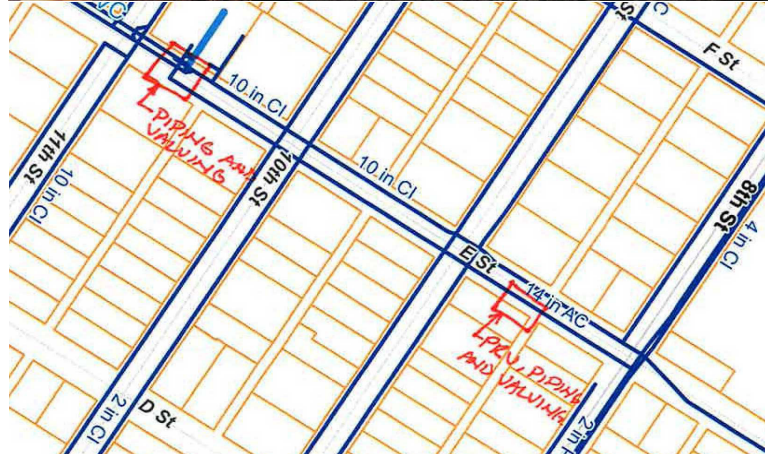
Estimated life 50 years

**ABOUT THE PROJECT:**

The E Street reservoir was inspected for the purpose of installing a new cover, painting, rebuilding of support beams and various other repairs. The inspection found that repair to the reservoir was not economical. The recommended action is to install a pressure reducing station (PRV) that will feed the low pressure zone in the event the E Street Reservoir fails. Additionally the PRV can be used to temporarily shut down the E Street Reservoir for additional inspection, minor repair or decommissioning.

**JUSTIFICATION:**

Corrosion has deteriorated the steel roof supports. A 2013 penetrating radar inspection found a number of significant voids under the reservoir that undermine the concrete bottom. The cost of repair is over 70% of the cost of a new reservoir and does not noticeably extend the service life of the reservoir. Installation of a PRV will allow the Water Utility to inspect, repair or decommission the reservoir with little to no service interruption to its customers.



FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 185,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 185,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	185,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 185,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	1,913	5,613	5,613	5,613	5,613	5,613	5,613
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ 1,913</b>	<b>\$ 5,613</b>	<b>\$ 5,613</b>	<b>\$ 5,613</b>	<b>\$ 5,613</b>	<b>\$ 5,613</b>	<b>\$ 5,613</b>

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



# LIBERTY STREET WATER MAIN

WT0111

PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: -123.420870, 48.1168  
 PROJECT MANAGER: JEFF BENDER

**Maintenance Cost Descriptions:**

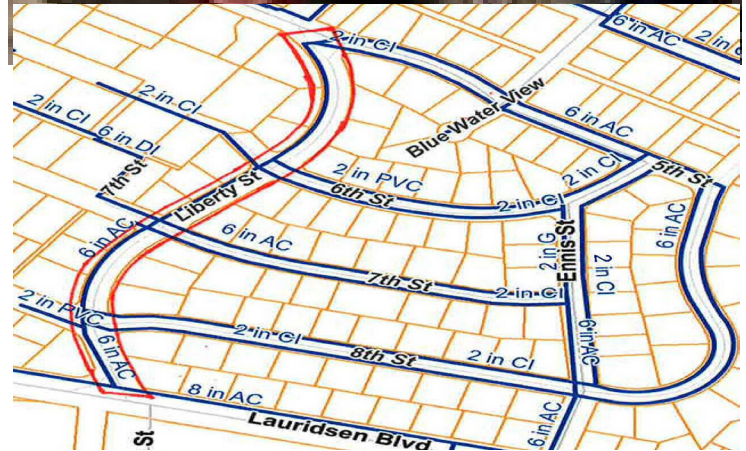
Estimated life 50 years

**ABOUT THE PROJECT:**

Replace approximately 1,500 feet of existing 6” asbestos-concrete water main along Liberty Street, existing service lines, and sub-main street crossings between Lauridsen Boulevard and 5th Street.

**JUSTIFICATION:**

Significant damage to the water main occurred in February 2011, this is to prevent another major main break. This area has a high failure rate.



FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 66,000</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

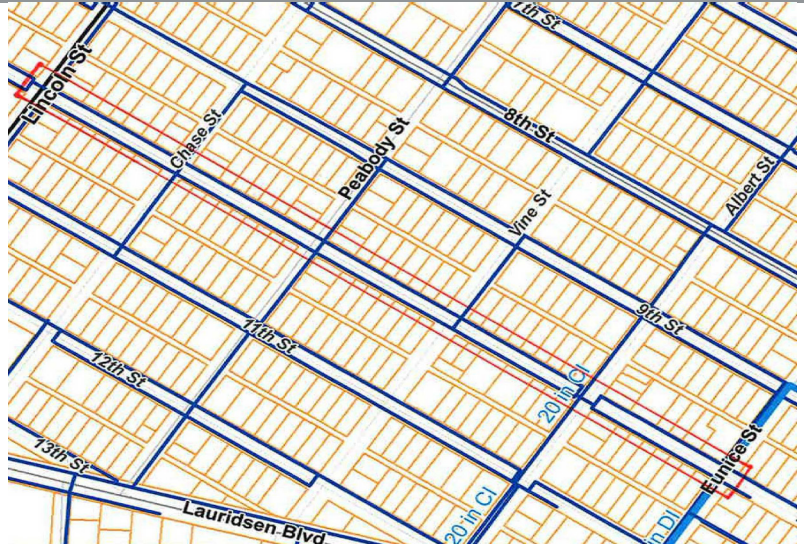
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	66,000	-	-	-	-	-	-
Construction	-	355,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 66,000</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,320	8,420	8,420	8,420	8,420	8,420
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 1,320</b>	<b>\$ 8,420</b>	<b>\$ 8,420</b>	<b>\$ 8,420</b>	<b>\$ 8,420</b>	<b>\$ 8,420</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.4314887, 48.107460600  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**  
 Replace the 2-inch cast iron mains with a 6" ductile iron main, reconnect existing service lines and sub-mains at street crossings on East 10th Street between Lincoln and Eunice Streets.

**JUSTIFICATION:**  
 Continued high repair for the cast iron pipes with poor reliability.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ 176,000	\$ 905,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 176,000</b>	<b>\$ 905,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	176,000	-	-	-
Construction	-	-	-	-	905,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 176,000</b>	<b>\$ 905,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,520	21,620	21,620
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,520</b>	<b>\$ 21,620</b>	<b>\$ 21,620</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.440923691, 48.119790232  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Replace 12-inch cast iron and 6-inch asbestos-concrete main in Marine Drive between 3rd Street and Valley Street. Placed in Parking lot until funding is available \$1,500,000.

**JUSTIFICATION:**

Aged AC and cast iron water mains are functionally obsolete and has had numerous breaks due to its reduced integrity in high pressure events.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

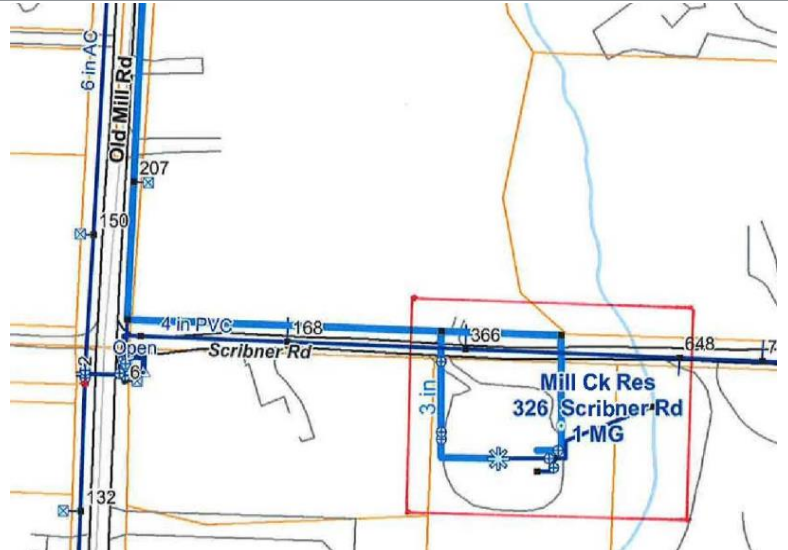


PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4393, 48.0872  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**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. \$3,400,000 in the parking lot for design and construction.



**JUSTIFICATION:**

The City's high zone is deficient in storage. A new reservoir will be needed to alleviate this deficiency.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 -123.462745, 48.119921  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**  
 This project will replace the roof on the Ranney Well and the Support Building.

**JUSTIFICATION:**  
 The roof on the Ranney Well and Support Building is failing. Water leaking into the buildings are causing damage to the structure and equipment.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	40,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	800	800	800	800	800	800
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 800</b>	<b>\$ 800</b>	<b>\$ 800</b>	<b>\$ 800</b>	<b>\$ 800</b>	<b>\$ 800</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.431975842, 48.112436309  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Replace 3” asbestos-concrete and 2” cast iron mains with a new 6” ductile iron main, reconnect existing service lines and sub-mains at street crossings on East 6th Street between Chase Street and Vine Street.



**JUSTIFICATION:**

Continued high repair for the asbestos-concrete and cast iron pipes with poor reliability.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,200</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	57,200	-	-	-	-
Construction	-	-	-	311,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,200</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	1,144	7,364	7,364	7,364
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,144</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>

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



# TRANSMISSION MAIN EAST OF GOLF COURSE WT0214

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.402364254, 48.094553521  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

### ABOUT THE PROJECT:

Replace portion of 20-inch concrete cylinder transmission main east of Golf Course Road near Maddock Road. \$2,275,000 in parking lot for design and construction.

### JUSTIFICATION:

Aged concrete cylinder transmission main has numerous breaks due to its reduced integrity in high pressure events. Replacement identified as Project M2 in the 2002 Water System Plan.



FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

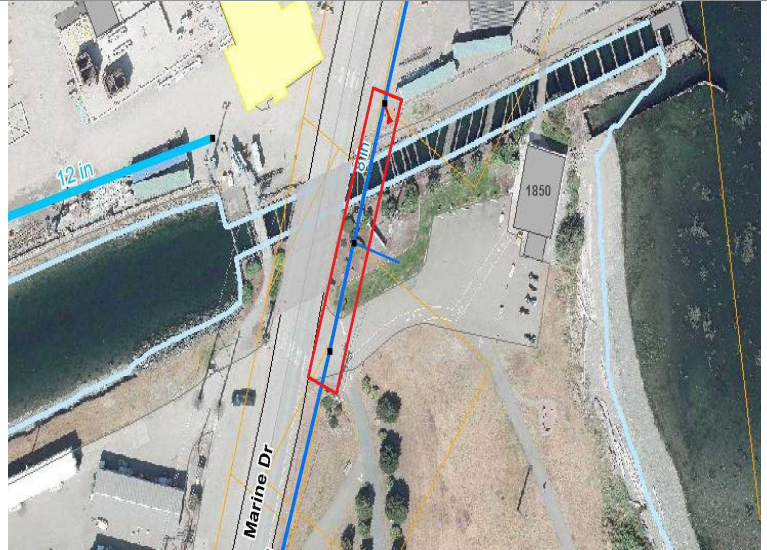
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# MARINE DRIVE CHANNEL WATER MAIN CROSSING

WT0215

PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE:  
 48.133683229, -123.465569972  
 PROJECT MANAGER: JEFF BENDER



**Maintenance Cost Descriptions:**

Estimated life 50 years

**ABOUT THE PROJECT:**

The project will replace the 8” cast iron main crossing the Marine Drive Channel near McKinley. This project will be done in coordination with the Marine Drive Bridge.

**JUSTIFICATION:**

The sheet piling supporting the channel and Marine Drive Channel Bridge are slowly failing. The water main is supported on the failing sheet pile. To prevent failure of the water main, the main will be replaced and supported independent of the channel’s sheet piling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	15,000	-	-	-	-	-	-
Construction	45,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,200	1,200	1,200	1,200	1,200	1,200
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>

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



# AIRPORT/EDGEWOOD DRIVE WATER MAIN EXTENSION

WT0217

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4961, 48.1121  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**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. \$5,000,000 in the parking lot for design and construction.

**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.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: Not Identified  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

This project will address the required repairs at the Black Diamond, Jones Street, and E Street Reservoirs.

**JUSTIFICATION:**

Inspections were performed at the Black Diamond, Jones Street, and E Street Reservoirs and deficiencies were noted. The deficiencies noted require repairs as they are potential entry points for contaminants, insects and rodents.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 175,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	15,000	-	-	-	-	-	-
Construction	160,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 175,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	3,500	3,500	3,500	3,500	3,500	3,500
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>

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



# MORSE CREEK WATER MAINS TO CLALLAM PUD #1

WT0309

PROJECT STATUS: Parking Lot  
 LATITUDE / LONGITUDE: EUGA  
 PROJECT MANAGER: JEFF BENDER

*Maintenance Cost Descriptions:*

Estimated life 50 years

**ABOUT THE PROJECT:**

Move approximately 50 customers from City water to PUD #1. This project involves localized improvements to hook into the PUD supply system. Areas affected are: Mt. Pleasant PUD booster station, Pierce Road booster station, extension of Brown Road, and various others. It is anticipated half the cost will be paid by Clallam PUD. \$400,000 in the parking lot.

**JUSTIFICATION:**

Continued water loss due to leaks, with the potential of high volume leaks due to current materials. PUD would pay for half of the improvements.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donation from PUD	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

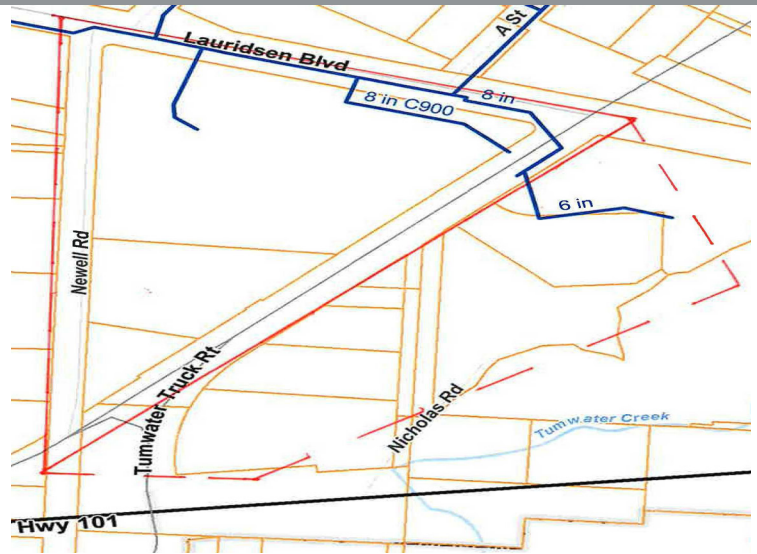
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# TUMWATER TRUCK ROUTE COMMERCIAL AREA FIRE FLOW (LID)

WT0314

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.461780548, 48.110258896  
 PROJECT MANAGER: JEFF BENDER



<b>Maintenance Cost Descriptions:</b>
Estimated life 50 years

### ABOUT THE PROJECT:

Install new 6" ductile iron water main in Tumwater Truck Route between Lauridsen Blvd and HWY 101 to increase fire flow and allow metered connections to commercial business. \$289,000 in parking lot for design and construction.

### JUSTIFICATION:

Current available flows are not sufficient to maintain fire protection in the area for planned commercial expansion.

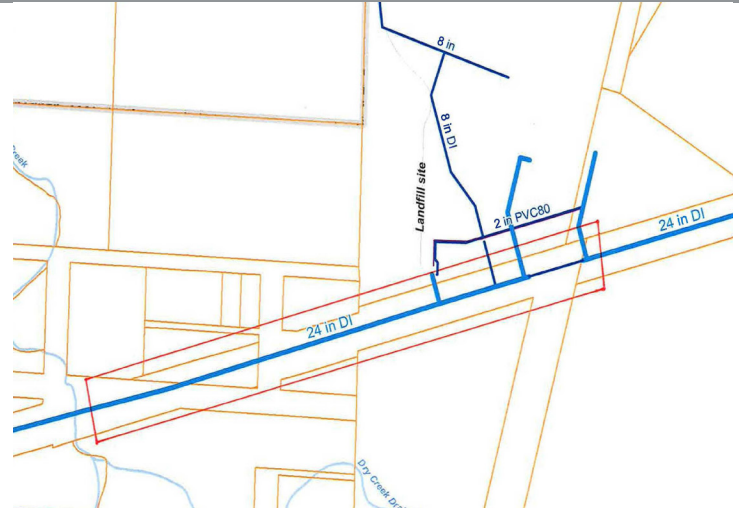
FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# 24-INCH TRANSMISSION MAIN REPLACEMENT WT0315

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 -123.52219587, 48.127219587  
 PROJECT MANAGER: JEFF BENDER



### Maintenance Cost Descriptions:

Estimated life 50 years

### ABOUT THE PROJECT:

Replacement of approximately 1,300 feet of 24-inch transmission main from the Dry Creek foot bridge to east of the Water Treatment Plant within the Milwaukee Drive right-of-way.

### JUSTIFICATION:

Poor system reliability. Costly leak repairs. This main is the only source to the Port Angeles Water Treatment Plant.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	5,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	416	516	516	516	516	516	516
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ 416</b>	<b>\$ 516</b>	<b>\$ 516</b>	<b>\$ 516</b>	<b>\$ 516</b>	<b>\$ 516</b>	<b>\$ 516</b>

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

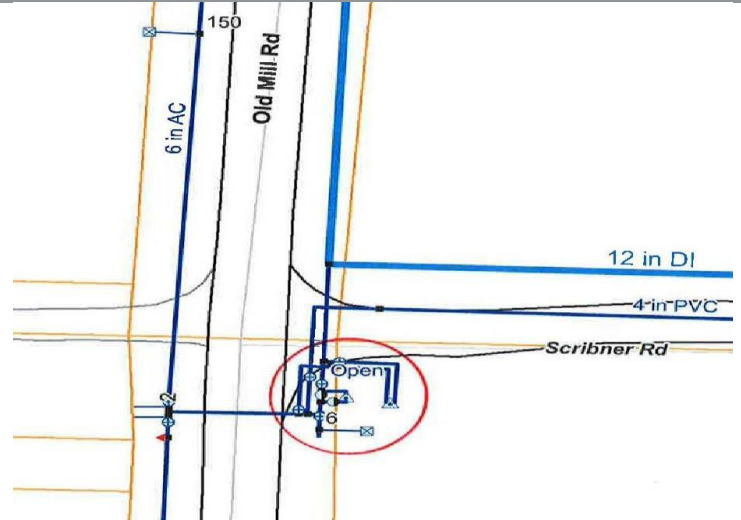


PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4409, 48.0874  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**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. A plug-in connection for a backup generator will be provided. \$1,500,000 in parking lot for design and construction.



**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.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.445666, 48.098039  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**  
 This project will install an intertie and PRV at the Viewcrest and Laurel Avenue intersection. Placed in Parking lot until funding is available \$200,000.

**JUSTIFICATION:**  
 Water system pressure in this area are 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.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

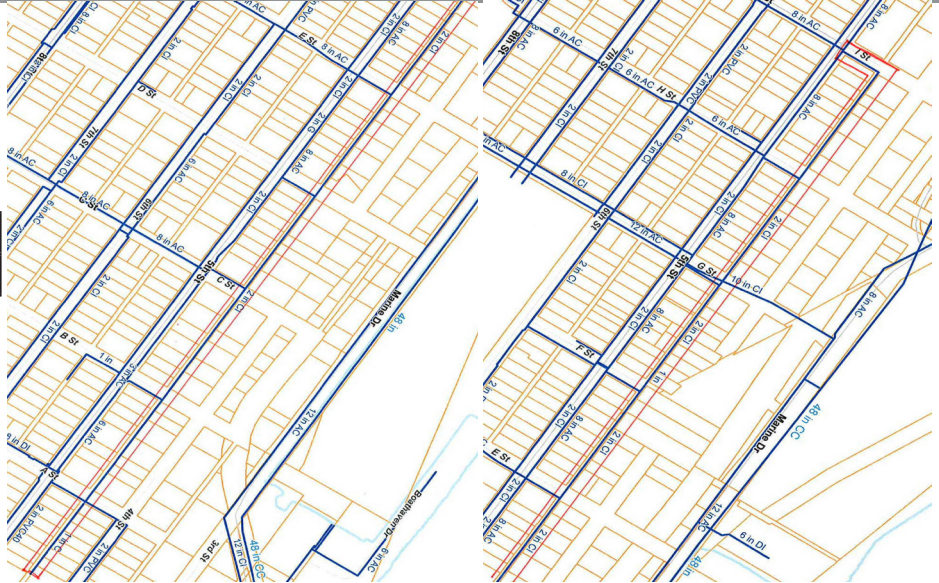
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# WEST 4TH STREET WATER MAIN

WT0412

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.454227448, 48.123457203  
 PROJECT MANAGER: JEFF BENDER



**Maintenance Cost Descriptions:**

Estimated life 50 years

**ABOUT THE PROJECT:**

Replace 2” cast iron main with 6” ductile iron main, reconnect existing service lines and sub-mains at street crossings, and install a fire hydrant on West 4th between A and I Streets.

**JUSTIFICATION:**

Continued high repair for the cast iron pipes with poor reliability.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 202,400	\$ 1,037,000
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,400</b>	<b>\$ 1,037,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	202,400	-
Construction	-	-	-	-	-	-	1,037,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,400</b>	<b>\$ 1,037,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	4,048
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,048</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 -123.444433, 48.103770  
 PROJECT MANAGERS: JEFF BENDER/  
 ERIC WALRATH

**Maintenance Cost Descriptions:**

Estimated life 50 years

**ABOUT THE PROJECT:**

Replace approximately 1,400 feet of 8” asbestos-concrete water main and abandon the 2” water lines on Whidby Ave between Laurel Street and Peabody Street with a new 8” DI main, reconnect existing service lines and sub-mains at street crossings.



**JUSTIFICATION:**

Continued high repair for the asbestos-concrete and cast iron pipes with poor reliability.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 500,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 500,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

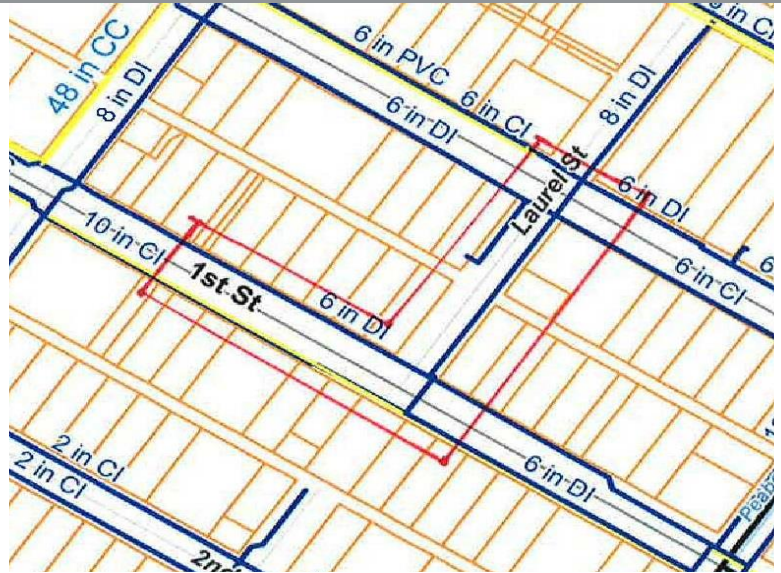
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	79,200	-	-	-	-	-	-
Construction	495,800	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 575,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	11,500	11,500	11,500	11,500	11,500	11,500
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 11,500</b>	<b>\$ 11,500</b>	<b>\$ 11,500</b>	<b>\$ 11,500</b>	<b>\$ 11,500</b>	<b>\$ 11,500</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4335, 48.1190  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Install 960 linear feet of new 12-inch pipe, reconnect existing service lines and sub-mains at street crossings in First Street and Laurel Street to replace existing 6-inch pipelines in both streets. \$384,000 in parking lot for design and construction.

**JUSTIFICATION:**

This project is to increase fire flow capacity for the nearby business. This project was a result of the Water System Plan Update modeling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.428230, 48.105490  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**  
 Install 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. Placed in Parking lot until funding is available \$150,000.

**JUSTIFICATION:**  
 Continued high repair for the cast iron pipes with poor reliability.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# EAST 4TH STREET WATER MAIN

WT0512

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.414874077, 48.107894556  
 PROJECT MANAGER: JEFF BENDER



Maintenance Cost Descriptions:
Estimated life 50 years

**ABOUT THE PROJECT:**  
 Replace 3” asbestos-concrete main on 4th Street between Chambers and Ennis Streets with 6” ductile iron water main, reconnect existing service lines and sub-mains at street crossings.

**JUSTIFICATION:**  
 Replaces asbestos-concrete type main which is prone to high failure rate.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 66,000</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	66,000	-	-	-	-	-
Construction	-	-	355,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 66,000</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,320	8,420	8,420	8,420	8,420
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,320</b>	<b>\$ 8,420</b>	<b>\$ 8,420</b>	<b>\$ 8,420</b>	<b>\$ 8,420</b>

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



# PEABODY RESERVOIR EMERGENCY OVERFLOW BUILDING

WT0515

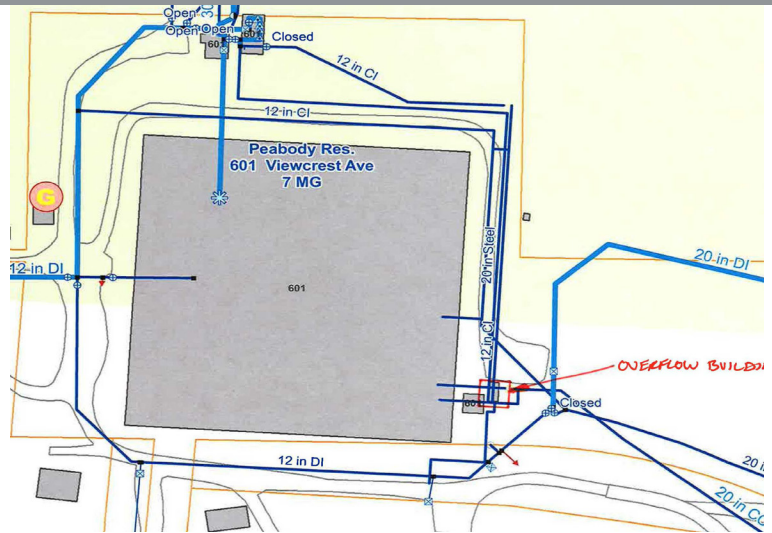
PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.432319164, 48.112278716  
 PROJECT MANAGER: JEFF BENDER

**Maintenance Cost Descriptions:**

Estimated life 50 years

**ABOUT THE PROJECT:**

Replace the existing emergency overflow building with a below grade vault and wier wall with check valve. \$135,000 additional in parking lot for construction.



**JUSTIFICATION:**

Potential point of entry for contaminants.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 135,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	10,000	135,000
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 135,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	200
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4374, 48.1147  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years



**ABOUT THE PROJECT:**

Install 1,315 linear feet of new 10-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. \$641,000 in parking lot of design and construction.

**JUSTIFICATION:**

This project is to increase fire flow capacity for the near by business and improves the capacity of the distribution system. This project was a result of the Water System Plan Update modeling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

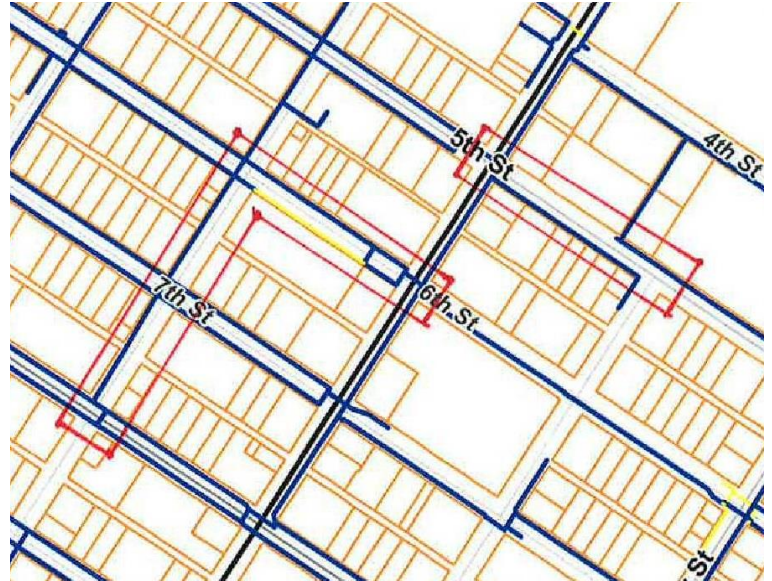
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# 10TH STREET WATER MAIN "I TO N"

WT0518

PROJECT STATUS: PENDING  
 LATITUDE / LONGITUDE:  
 48.126992144, -123.479491711  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**  
 Replace eight water main crossings extending from the south side to the north side on 10th Street; install three new fire hydrants.

**JUSTIFICATION:**  
 This area is scheduled for road re-construction, with the installation of sidewalks, curbing and new pavement. Replacement will prevent the need to cut the new installation when the watermains are replaced. The age of the current piping is beyond the normal age for the structures.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 230,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 230,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

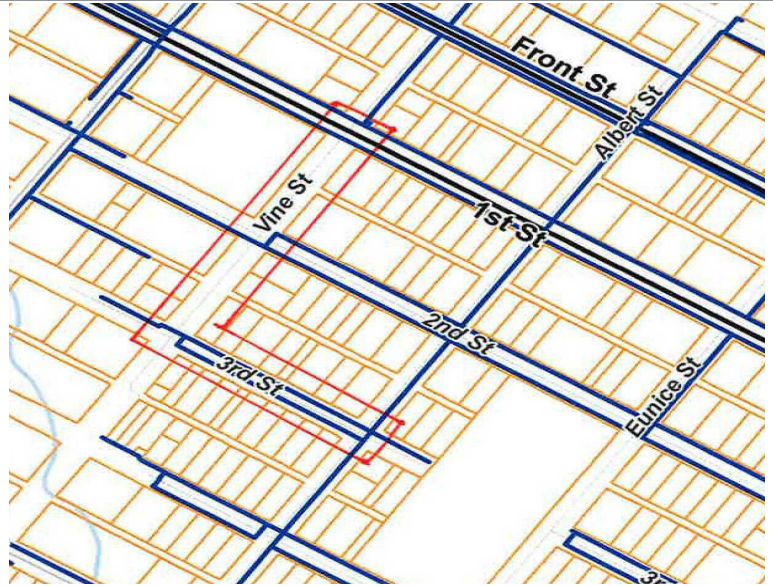
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	230,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 230,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -4150 charges	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.427759409, 48.114239002  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**  
 Install new 6” ductile iron main on Vine Street between 1st and 3rd, and replace 2” mains on 3rd between Albert Street and Vine Street with new 6” ductile iron main. Tie into works on the northwest corner of 3rd and Vine Streets, and set a new fire hydrant.

**JUSTIFICATION:**  
 Poor system reliability, and a hydrant for fire safety needed in the area. Several leaks in the 2” cast iron mains causing costly repairs.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 57,200</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	57,200	-	-	-	-	-
Construction	-	-	311,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 57,200</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

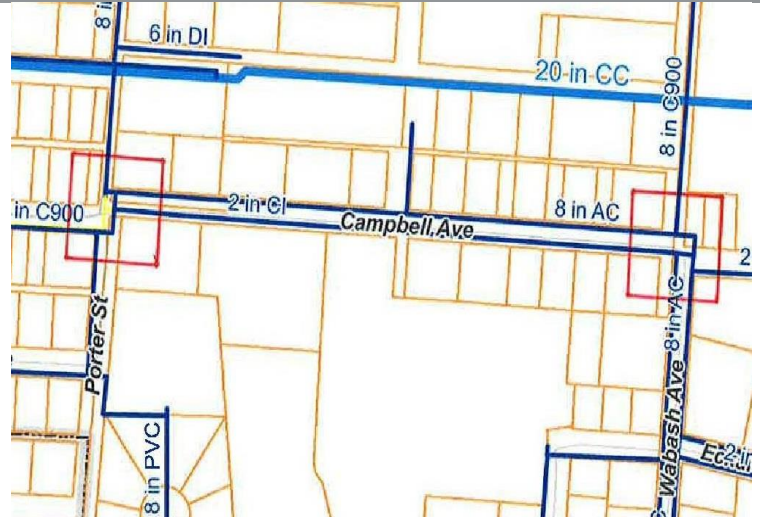
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,144	7,364	7,364	7,364	7,364
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,144</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: -123.4194, 48.0965  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years



**ABOUT THE PROJECT:**

Connect the existing 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. \$300,000 in parking lot for design and construction.

**JUSTIFICATION:**

This project is to increase fire flow capacity for the near by business and improves the distribution system. This project was a result of the Water System Plan Update modeling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 PROJECT MANAGER: TERESA REED-JENNINGS

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Repair Craig Street watermain and asphalt due to a break.

**JUSTIFICATION:**

The roadway was heavily damaged after the watermain break. This repairs and replaces as needed, including the asphalt and stormdrain systems.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ 84,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Stormwater fund	21,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 106,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	106,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 106,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	2,120	2,120	2,120	2,120	2,120	2,120
Other -explain	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 2,120</b>	<b>\$ 2,120</b>	<b>\$ 2,120</b>	<b>\$ 2,120</b>	<b>\$ 2,120</b>	<b>\$ 2,120</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.10150, -123.5546356  
 PROJECT MANAGERS: TERESA REED-JENNINGS/  
 JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Capital costs associated with the City’s acquisition of the second water treatment plant from the National Park Service. In the parking lot at \$300,000.

**JUSTIFICATION:**

Provides the necessary due diligence to analyze the economics and effect a legal transfer of any selected facilities that is in the City’s interest.



FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

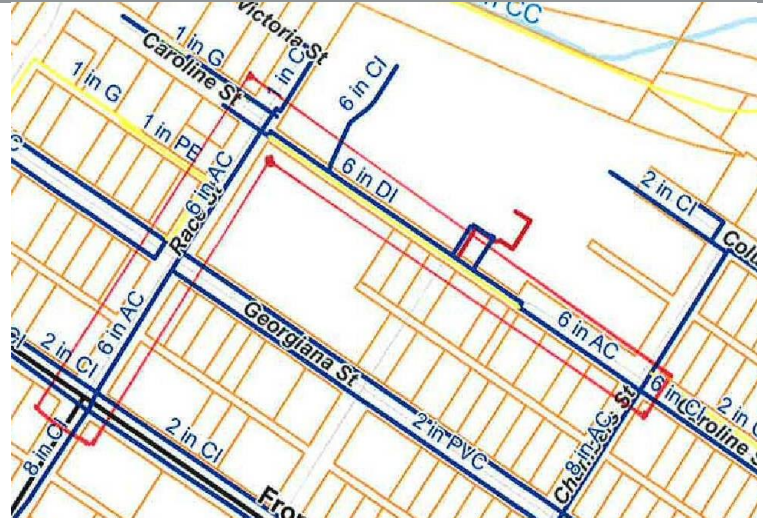
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: -123.4166, 48.1156  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years



**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. The total length of the new pipeline is approximately 1,900 feet. \$760,000 in parking lot for design and construction.

**JUSTIFICATION:**

This project is to increase fire flow capacity for the nearby businesses and hospital. This project was a result of the Water System Plan Update modeling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	120,000
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

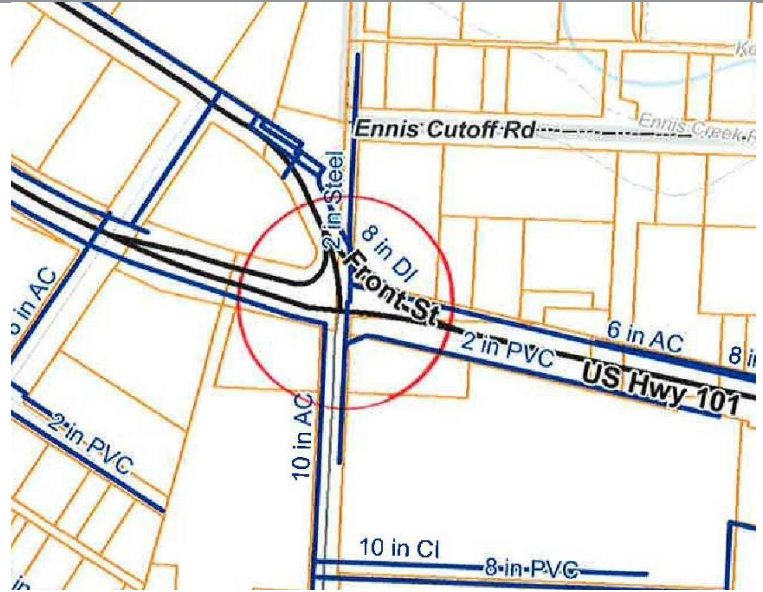
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.





PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4024, 48.1068  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years



**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. \$92,000 in parking lot for design and construction.

**JUSTIFICATION:**

This project is to increase fire flow capacity for the nearby businesses. This project was a result of the Water System Plan Update modeling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

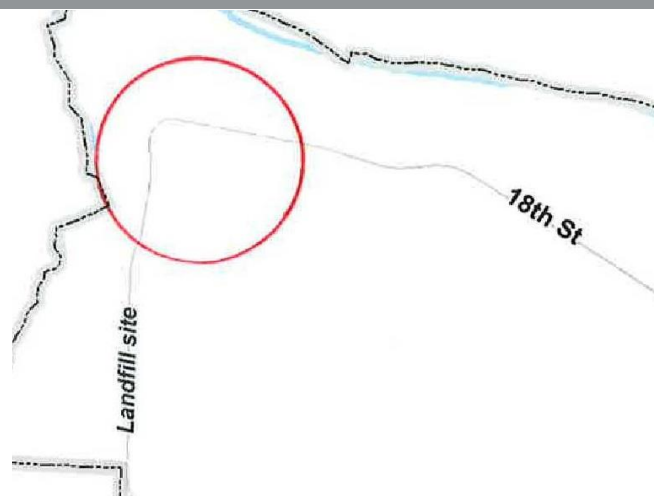
  

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.5177, 48.1317  
 PROJECT MANAGER: JEFF BENDER



Maintenance Cost Descriptions:
Estimated life 50 years

### 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 Port Angeles Water Treatment Plant (PAWTP). This improvement eliminates dead end piping from the PAWTP as well as from west 18th Street. \$480,500 in parking lot for design and construction.

### JUSTIFICATION:

This project is to increase fire flow capacity for the nearby businesses. This project was a result of the Water System Plan Update modeling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

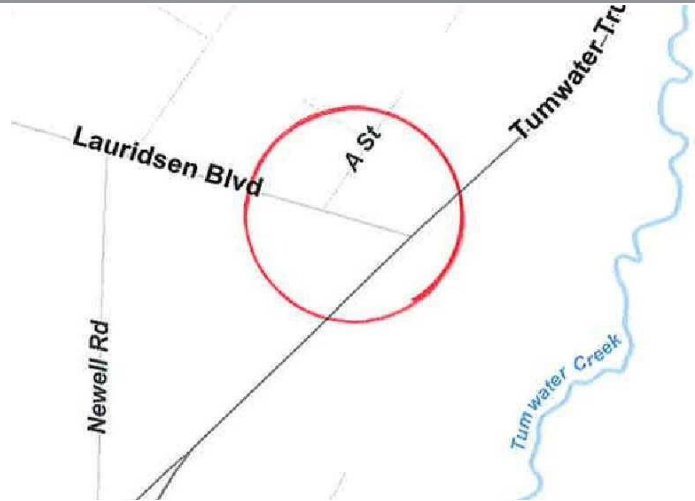
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4597, 48.1101  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Install 1,200 linear feet of new 12-inch pipe in west 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. \$560,000 in parking lot for design and construction.

**JUSTIFICATION:**

This project is to increase fire flow capacity for the nearby businesses. This project was a result of the Water System Plan Update modeling.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

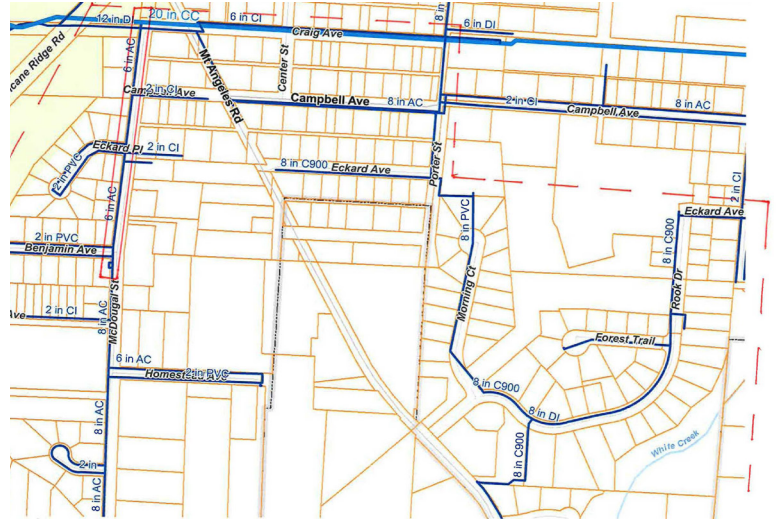
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4248, 48.0973  
 PROJECT MANAGER: JEFF BENDER

<b>Maintenance Cost Descriptions:</b>
Estimated life 50 years

**ABOUT THE PROJECT:**  
 Installation of 1,000 feet of 12-inch pipe, valve station, RTU from Mill Creek pumps, SCADA and telemetry. \$700,000 additional in the parking lot for construction.



**JUSTIFICATION:**  
 This areas meets daily requirements for water flow, but does not meet the fire flow requirements.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

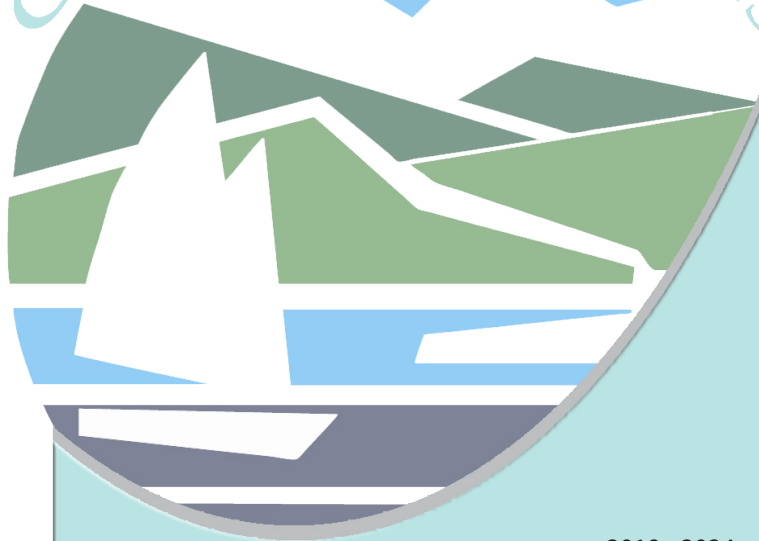
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



CITY OF PORT ANGELES



2019 - 2024  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

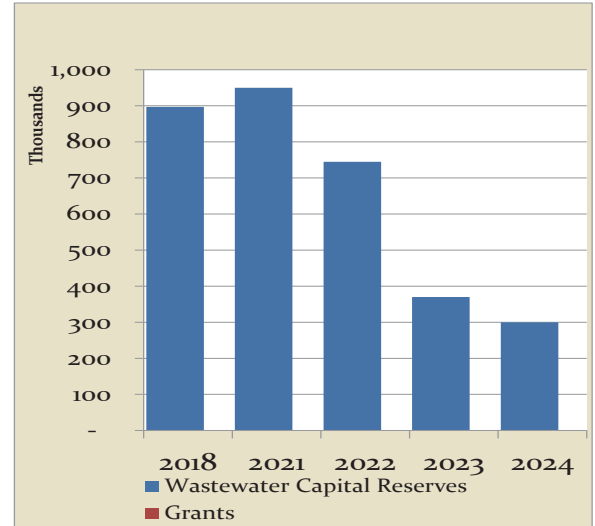


# WASTEWATER



# WASTEWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2019 - 2024  
 MANAGER: TERESA REED-JENNINGS  
 CONTACT: TRJENNING@CITYOFPA.US  
 PHONE: 360-417-4800



## 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	BUDGET 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Capital Reserves	897,000	1,290,000	2,640,000	950,000	745,000	370,000	300,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 897,000</b>	<b>\$ 1,290,000</b>	<b>\$ 2,640,000</b>	<b>\$ 950,000</b>	<b>\$ 745,000</b>	<b>\$ 370,000</b>	<b>\$ 300,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	164,000	65,000	65,000	165,000	15,000	15,000	15,000
Construction	868,000	1,225,000	2,575,000	785,000	730,000	355,000	285,000
<b>TOTAL</b>	<b>\$ 1,032,000</b>	<b>\$ 1,290,000</b>	<b>\$ 2,640,000</b>	<b>\$ 950,000</b>	<b>\$ 745,000</b>	<b>\$ 370,000</b>	<b>\$ 300,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	12,045	24,945	41,070	74,070	85,945	95,257	99,882
Other	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Maintenance projects	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ (7,955)</b>	<b>\$ 4,945</b>	<b>\$ 21,070</b>	<b>\$ 54,070</b>	<b>\$ 65,945</b>	<b>\$ 75,257</b>	<b>\$ 79,882</b>

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

PROJECTS COMPLETED IN 2017		Cost	Budget
WW1008	CSO phase 2	20,227,474	20,733,000
WW0210	Programmable Logic Control (part 2)	89,573	66,000
WW0116	Marine Drive Sewer	159,141	222,000
CAPWW	Misc Pumps for WWTP	53,888	60,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>20,530,076</b>	<b>21,081,000</b>

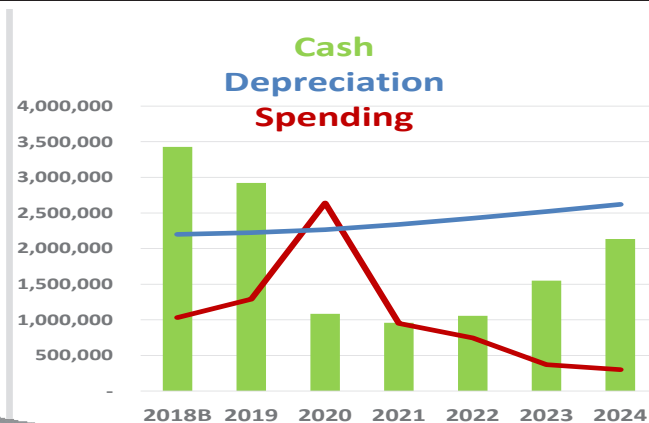
Completed projects are not included in the ongoing project totals for expenditures or revenues.



# WASTEWATER PROJECT LIST & CASH FLOW

PROJECT TITLE	RANK	TOTAL PROJECT	Budget 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
<b>WASTEWATER</b>									
WW0118 Marine Dr Sewer Repair Phase 2	A	155,000	155,000	-	-	-	-	-	-
WW0205 Biosolids Dewatering and Reuse	A	1,495,611	503,000	-	-	-	-	-	-
WW0308 Pump Station #3 Replacement	A	3,492,332	159,000	900,000	1,790,000	500,000	-	-	-
WW0315 Marine Channel Bridge Sewer Crossing	A	90,000	90,000	-	-	-	-	-	-
WW0415 Pump Station #5 Rehabilitation	A	125,000	125,000	-	-	-	-	-	-
WW0618 2019 Neighborhood Sewer Rehab	1	300,000	-	300,000	-	-	-	-	-
WW0815 Laurel Street Sewer Separation	2	275,000	-	25,000	250,000	-	-	-	-
WW0715 Oak Street Sewer Separation	3	275,000	-	25,000	250,000	-	-	-	-
WW0915 Pump Station #6 Improvements	4	40,000	-	40,000	-	-	-	-	-
WW0508 Digester Mixing Improvement WWTP	5	600,000	-	-	50,000	150,000	400,000	-	-
WW0718 2020 Neighborhood Sewer Rehab	6	300,000	-	-	300,000	-	-	-	-
WW0818 2021 Neighborhood Sewer Rehab	7	300,000	-	-	-	300,000	-	-	-
WW0918 2022 Neighborhood Sewer Rehab	8	300,000	-	-	-	-	300,000	-	-
WW0516 WWTP Boiler Replacement	9	115,000	-	-	-	-	45,000	70,000	-
WW1018 2023 Neighborhood Sewer Rehab	10	300,000	-	-	-	-	-	300,000	-
WW1118 2024 Neighborhood Sewer Rehab	11	300,000	-	-	-	-	-	-	300,000
WW0110 Aeration Blower Replacement	PL	550,000	-	-	-	-	-	-	-
WW0216 Washington Street Sewer Lateral	PL	70,000	-	-	-	-	-	-	-
WW0217 Ennis Creek Force Main Removal	PL	250,000	-	-	-	-	-	-	-
WW0518 Francis Street Sewer Trestle Repair	PL	50,000	-	-	-	-	-	-	-
WW0608 Waste Activated Sludge Thickening WWTP	PL	1,500,000	-	-	-	-	-	-	-
WW1115 1st & 2nd Streets Alley Sewer Separation	PL	120,000	-	-	-	-	-	-	-
WW1215 Shane Park Sewer Separation	PL	280,000	-	-	-	-	-	-	-
WW1315 Pine Hill Sewer Separation	PL	275,000	-	-	-	-	-	-	-
<b>TOTAL WASTEWATER FUND</b>		<b>\$ 11,557,943</b>	<b>\$ 1,032,000</b>	<b>\$ 1,290,000</b>	<b>\$ 2,640,000</b>	<b>\$ 950,000</b>	<b>\$ 745,000</b>	<b>\$ 370,000</b>	<b>\$ 300,000</b>

CASH FLOW ANALYSIS	2018B	2019	2020	2021	2022	2023	2024
<b>Beginning Cash Balance</b>	3,696,097	3,427,597	2,921,097	1,084,597	958,097	1,056,597	1,550,097
<b>Funding sources:</b>							
Wastewater Rates	763,500	783,500	803,500	823,500	843,500	863,500	883,500
Grants	-	-	-	-	-	-	-
Bonds/Interest/Other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project Cost plus accruals/deferrals	(1,032,000)	(1,290,000)	(2,640,000)	(950,000)	(745,000)	(370,000)	(300,000)
<b>ENDING CASH</b>	<b>3,427,597</b>	<b>2,921,097</b>	<b>1,084,597</b>	<b>958,097</b>	<b>1,056,597</b>	<b>1,550,097</b>	<b>2,133,597</b>
<b>DEPRECIATION</b>	<b>2,199,192</b>	<b>2,224,136</b>	<b>2,265,206</b>	<b>2,339,275</b>	<b>2,425,220</b>	<b>2,520,477</b>	<b>2,620,359</b>
<b>CASH/DEPRECIATION</b>	<b>1.56</b>	<b>1.31</b>	<b>0.48</b>	<b>0.41</b>	<b>0.44</b>	<b>0.62</b>	<b>0.81</b>



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.402773, 48.111766  
 PROJECT MANAGER: JEFF BENDER



**Maintenance Cost Descriptions:**

Estimated annual savings of \$12,000 per year for reduction of electric usage when the project is taken out of the parking lot. Estimated life 80 years.

**ABOUT THE PROJECT:**

Replace two original 75 HP blowers with 50 HP blowers. The City will keep one existing 75 HP blower for backup. Project cost \$550,000.

**JUSTIFICATION:**

Allows the Wastewater Treatment Plant to have a back up blower and saves energy by reducing horse power.

FUNDING SOURCES	Budget	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE: -123.451051, 48.123552  
 PROJECT MANAGER: JEFF BENDER

*Maintenance Cost Descriptions:*

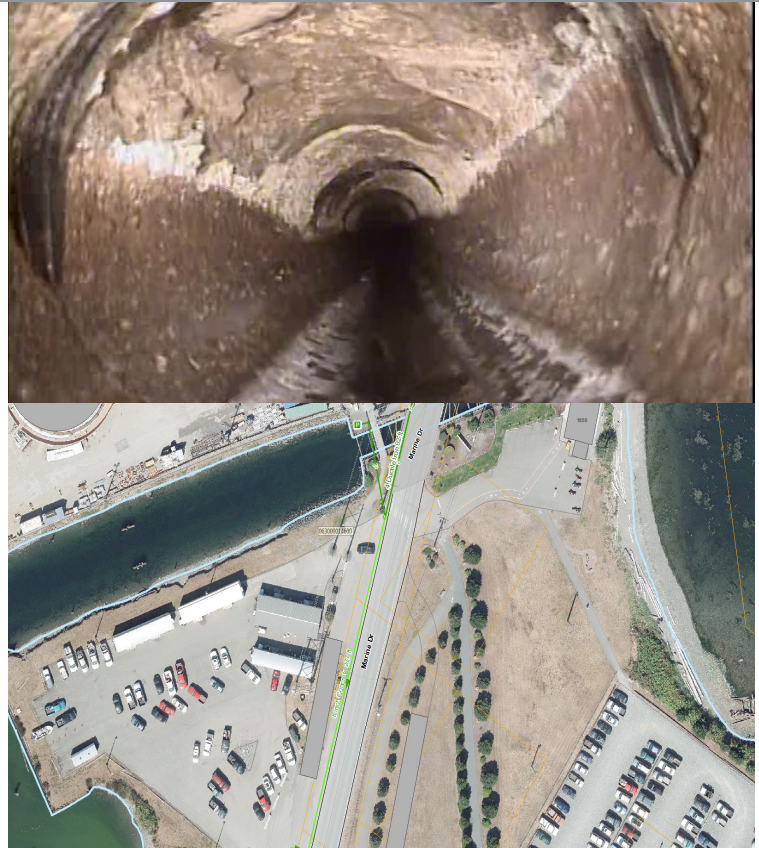
Estimated life 80 years.  
 Reduction of staff time and materials for ongoing repairs.

**ABOUT THE PROJECT:**

Project will replace approximately 277 feet of corroding concrete gravity sewer main near the log channel on Marine Drive with PVC pipe.

**JUSTIFICATION:**

Failure to restore the sewer lines will result in excessive corrosion from hydrogen sulfide gas resulting in eventual pipe collapse.



FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ 20,000	\$ -	\$ -	\$ -	\$ -		
Grants	-	-	-	-	-		
Bonds	-	-	-	-	-		
General Fund	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-		
Other Funds	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	5,000	-	-	-	-		
Construction	150,000	-	-	-	-		
<b>TOTAL</b>	<b>\$ 155,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,938	1,938	1,938	1,938	1,938	1,938
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 1,938</b>	<b>\$ 1,938</b>	<b>\$ 1,938</b>	<b>\$ 1,938</b>	<b>\$ 1,938</b>	<b>\$ 1,938</b>

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



PROJECT STATUS: Construction  
 LATITUDE / LONGITUDE:  
 -123.402773, 48.111766  
 PROJECT MANAGER: JEFF BENDER



**Maintenance Cost Descriptions:**

Estimated life 80 years.  
 Shipping and handling will be reduced annually for the changes being made.

**ABOUT THE PROJECT:**

Installation of new dewatering press and ancillary equipment at the wastewater treatment plant.

**JUSTIFICATION:**

The existing filter press is obsolete and replacement parts are not available. Failure of the press will interrupt the delivery of biosolids to the compost facility and necessitate expensive hauling of WWTP biosolids to receiving facilities out of the area.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ 503,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 503,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	503,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 503,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	11,650	17,937	17,937	17,937	17,937	17,937	17,937
Other	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ (8,350)</b>	<b>\$ (2,063)</b>	<b>\$ (2,063)</b>	<b>\$ (2,063)</b>	<b>\$ (2,063)</b>	<b>\$ (2,063)</b>	<b>\$ (2,063)</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.414916, 48.114604  
 PROJECT MANAGER: JEFF BENDER

*Maintenance Cost Descriptions:*

Estimated life 25 years

**ABOUT THE PROJECT:**

The sewer line in the alley serving 927 Georgiana Street is being abandoned as part of the new construction at the Olympic Memorial Hospital. The proposed sewer lateral will connect the building sewer to the existing gravity sewer on Washington Street. \$70,000 in parking lot.

**JUSTIFICATION:**

Failure to construct the sewer lateral will make the building uninhabitable.

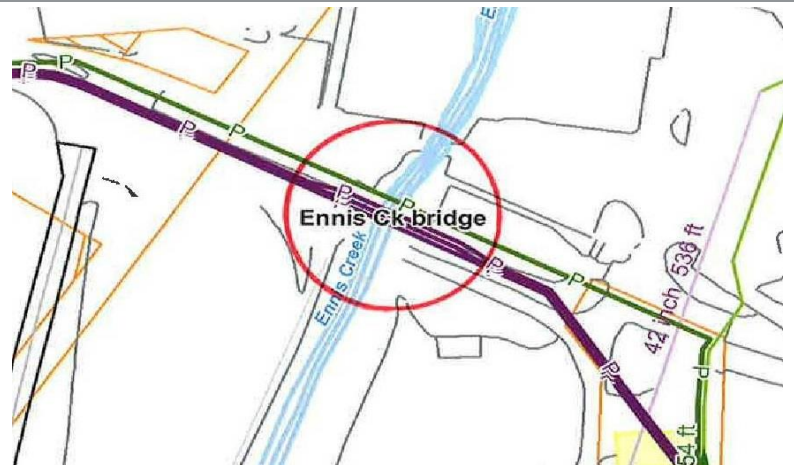


FUNDING SOURCES	Budget	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.4058, 48.1154  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**  
 This project removes the abandoned sewer force main that crosses Ennis Creek. In the parking lot at \$250,000.

**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 Ennis Creek during CSO Phase 1 as part of matching funds.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 -123.43661700, 48.1215208  
 PROJECT MANAGERS: JEFF BENDER/  
 Lucio Baack

*Maintenance Cost Descriptions:*

Estimated life 80 years

**ABOUT THE PROJECT:**

A 3-phase process to construct a new pump station replacing Pump #3 and to replace undersized force mains along Marine Drive. An engineering study of the pump station and force main system prepared in 2011 Phase 1 identified three potential solutions. The preferred and most economical solution combined two new pressure sewers and a modified pump station. The project will be completed in three phases. The first two phases will construct a bypass pressure sewer that will take the pressure off the pump station and will possibly eliminate the system backups that affect the entire length of Marine Drive. The third phase will reconstruct the aging pump station that was constructed in 1969. Additionally, a foul air system will be installed as part of phase 3.



**JUSTIFICATION:**

Failure to replace the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies and sewer backup along Marine Drive.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ 159,000	\$ 900,000	\$ 1,790,000	\$ 500,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 159,000</b>	<b>\$ 900,000</b>	<b>\$ 1,790,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	159,000	-	-	-	-	-	-
Construction	-	900,000	1,790,000	500,000	-	-	-
<b>TOTAL</b>	<b>\$ 159,000</b>	<b>\$ 900,000</b>	<b>\$ 1,790,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	395	2,382	13,632	36,007	42,257	42,257	42,257
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ 395</b>	<b>\$ 2,382</b>	<b>\$ 13,632</b>	<b>\$ 36,007</b>	<b>\$ 42,257</b>	<b>\$ 42,257</b>	<b>\$ 42,257</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 -123.4656, 48.133660  
 PROJECT MANAGER: JEFF BENDER

*Maintenance Cost Descriptions:*

Estimated life 25 years



**ABOUT THE PROJECT:**

Project will reconstruct sewer line attachment at the bridge over the log channel on Marine Drive.

**JUSTIFICATION:**

Failure of the sheet pile retaining wall at the log channel has caused ground movement in the area of the pressure sewer connection at the bridge.

Failure to reconstruct the force main will result in severing the line and loss of service to Ediz Hook.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
NICE funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	90,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,125	1,125	1,125	1,125	1,125	1,125
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 1,125</b>	<b>\$ 1,125</b>	<b>\$ 1,125</b>	<b>\$ 1,125</b>	<b>\$ 1,125</b>	<b>\$ 1,125</b>

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



PROJECT STATUS: Active  
 LATITUDE / LONGITUDE:  
 -123.4303229, 48.1165251  
 PROJECT MANAGERS: JEFF BENDER/  
 Lucio Baack



*Maintenance Cost Descriptions:*

Estimated life 80 years

**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 2 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.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	125,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,563	1,563	1,563	1,563	1,563	1,563
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 1,563</b>	<b>\$ 1,563</b>	<b>\$ 1,563</b>	<b>\$ 1,563</b>	<b>\$ 1,563</b>	<b>\$ 1,563</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.402773, 48.111766  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Replacement of air mixing system in the two digesters with draft tube mixers that utilize a pump system to mix the contents of the digesters.

**JUSTIFICATION:**  
 The current mixing system is inefficient and limits the volume treated to 60% of the digester volume. The new process increases digester efficiency, reduces odors and foam generation, and results in a 67% energy savings.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ 50,000	\$ 150,000	\$ 400,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	50,000	150,000	-	-	-
Construction	-	-	-	-	400,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	625	2,500	7,500	7,500
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 625</b>	<b>\$ 2,500</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.402773, 48.111766  
 PROJECT MANAGER: JEFF BENDER

**Maintenance Cost Descriptions:**

Estimated life 80 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 in a different location. This will require changes to the steam lines to the digesters and will result in lower energy losses in the steam conveyance system. Parking Lot for \$125,000.

**JUSTIFICATION:**

Failure to replace the existing boiler will result in higher maintenance costs as the boiler ages.



FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$ 70,000	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 70,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	45,000	70,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 70,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	563	1,438
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 563</b>	<b>\$ 1,438</b>

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



PROJECT STATUS: Parking Lot  
 LATITUDE / LONGITUDE:  
 -123.426739, 48.107221  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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. \$50,000 in parking lot.

**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.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -		
Grants	-	-	-	-	-		
Bonds	-	-	-	-	-		
General Fund	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-		
Other Funds	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-		
Construction	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# WASTE ACTIVATED SLUDGE THICKENING WWTP WW0608

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: -123.402773, 48.111766  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

## 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 Project 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. Parking Lot \$1,500,000.

## JUSTIFICATION:

Increase in thickness improves the efficiencies of both the digesters and the sludge storage tank.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE: Not Identified  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
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 plan which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ 300,000	\$ -	\$ -	\$ -		
Grants	-	-	-	-	-		
Bonds	-	-	-	-	-		
General Fund	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-		
Other Funds	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	15,000	-	-	-		
Construction	-	285,000	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	3,750	3,750	3,750	3,750	3,750
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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

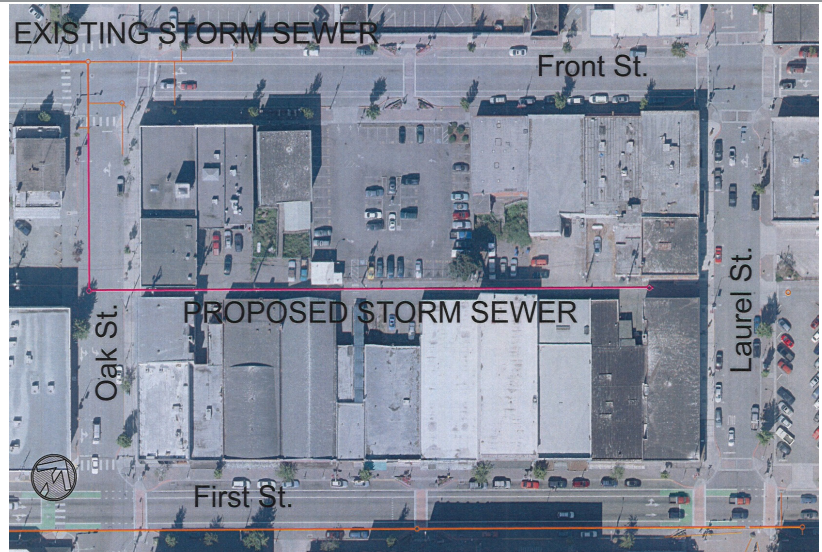


PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.433628, 48.120347  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ 25,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	25,000	-	-	-	-	-
Construction	-	-	250,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	313	3,438	3,438	3,438	3,438
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 313</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>

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



# 2020 NEIGHBORHOOD SEWER REHABILITATION WW0718

PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE: Not Identified  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
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 plan which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ 300,000	\$ -	\$ -		
Grants	-	-	-	-	-		
Bonds	-	-	-	-	-		
General Fund	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-		
Other Funds	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	15,000	-	-		
Construction	-	-	285,000	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	3,750	3,750	3,750	3,750
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.433451017, 48.119151101  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ 25,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	25,000	-	-	-	-	-
Construction	-	-	250,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	313	3,438	3,438	3,438	3,438
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 313</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>

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



# 2021 NEIGHBORHOOD SEWER REHABILITATION WW0818

PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE: Not Identified  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
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 plan which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ 300,000	\$ -		
Grants	-	-	-	-	-		
Bonds	-	-	-	-	-		
General Fund	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-		
Other Funds	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	15,000	-		
Construction	-	-	-	285,000	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,750	3,750	3,750
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



# PUMP STATION #6 IMPROVEMENTS

WW0915

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.4288039, 48.090952600  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**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 and sewer backup into a tributary of Peabody Creek.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	40,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	500	500	500	500	500
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500</b>	<b>\$ 500</b>	<b>\$ 500</b>	<b>\$ 500</b>	<b>\$ 500</b>

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



# 2022 NEIGHBORHOOD SEWER REHABILITATION WW0918

PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE: Not Identified  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
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 plan which increase the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ 300,000		
Grants	-	-	-	-	-		
Bonds	-	-	-	-	-		
General Fund	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-		
Other Funds	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	15,000		
Construction	-	-	-	-	285,000		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	3,750	3,750
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



# 2023 NEIGHBORHOOD SEWER REHABILITATION WW1018

PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE: Not Identified  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
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 plan which increase the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	
Grants	-	-	-	-	-	-	
Bonds	-	-	-	-	-	-	
General Fund	-	-	-	-	-	-	
Donations/Insurance	-	-	-	-	-	-	
Other Funds	-	-	-	-	-	-	
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	15,000	
Construction	-	-	-	-	-	285,000	
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	3,750
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>

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



# FIRST & SECOND STREET ALLEY SEWER SEPARATION WW1115

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.437828447, 48.120447662  
 PROJECT MANAGER: JEFF BENDER

*Maintenance Cost Descriptions:*

Estimated life 25 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 on First Street to prevent stormwater from entering the wastewater system at Pump Station #2. In parking lot \$120,000.



**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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# 2024 NEIGHBORHOOD SEWER REHABILITATION WW1118

PROJECT STATUS: Planning  
 LATITUDE / LONGITUDE: Not Identified  
 PROJECT MANAGER: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
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 plan which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 300,000
Grants	-	-	-	-	-		
Bonds	-	-	-	-	-		
General Fund	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-		
Other Funds	-	-	-	-	-		
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-		15,000
Construction	-	-	-	-	-		285,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: Parking Lot  
 LATITUDE / LONGITUDE:  
 -123.43102713, 48.1219466  
 PROJECT MANAGER: JEFF BENDER



*Maintenance Cost Descriptions:*  
 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 preventing groundwater from entering the wastewater mains under Shane Park. In the parking lot at \$280,000.

**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	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.442811966, 48.120917280  
 PROJECT MANAGER: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years.

**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. Project will restore integrity of existing manholes and pipes, potentially by lining them. Project cost is estimated at \$275,000.

**JUSTIFICATION:**

Minimize surface water intrusion into the wastewater system, to improve system efficiency and capacity.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



CITY OF PORT ANGELES



2019 - 2024  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# COMBINED SEWER OVERFLOW



# CSO FUND CAPITAL FACILITY PLAN

CFP YEAR: 2019 - 2024  
 MANAGER: TERESA REED-JENNINGS  
 CONTACT: TRJENNING@CITYOFPA.US  
 PHONE: 360-417-4800

## CSO FUND GOALS AND OBJECTIVES:

Second phase of a series of projects to implement the Washington State Dept of Ecology mandated combined sewer overflow reduction plan. Includes replacement of pump station #4, Front Street gravity sewer, WWTP modifications, and flow metering improvements. The current contract is in mediation with the contractor due to asbestos questions.

## COMPLETED PROJECTS:

Phase 1 of the combined sewer overflow project was completed and capitalized in 2015 at \$25,708,173.

Phase 2 of the combined sewer overflow project was completed and capitalized in 2017 at \$20,227,474.

This fund is also used as the debt payment fund for the CSO project with rates accumulating into the fund for payment of the CSO loan debt.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater CSO Rates	\$ 2,328,400	\$ 2,641,900	\$ 2,301,900	\$ 2,301,900	\$ 2,301,900	\$ 2,301,900	\$ 2,301,900
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 2,328,400</b>	<b>\$ 2,641,900</b>	<b>\$ 2,301,900</b>	<b>\$ 2,301,900</b>	<b>\$ 2,301,900</b>	<b>\$ 2,301,900</b>	<b>\$ 2,301,900</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	10,000	-	-	-	-	-	-
Construction	16,500	340,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 26,500</b>	<b>\$ 340,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	1,738	2,798	16,398	16,398	16,398	16,398	16,398
Debt payments	2,281,404	2,277,596	2,273,789	2,269,981	2,266,174	2,266,174	2,266,174
<b>TOTAL OTHER COSTS</b>	<b>\$ 2,283,141</b>	<b>\$ 2,280,394</b>	<b>\$ 2,290,187</b>	<b>\$ 2,286,379</b>	<b>\$ 2,282,572</b>	<b>\$ 2,282,572</b>	<b>\$ 2,282,572</b>

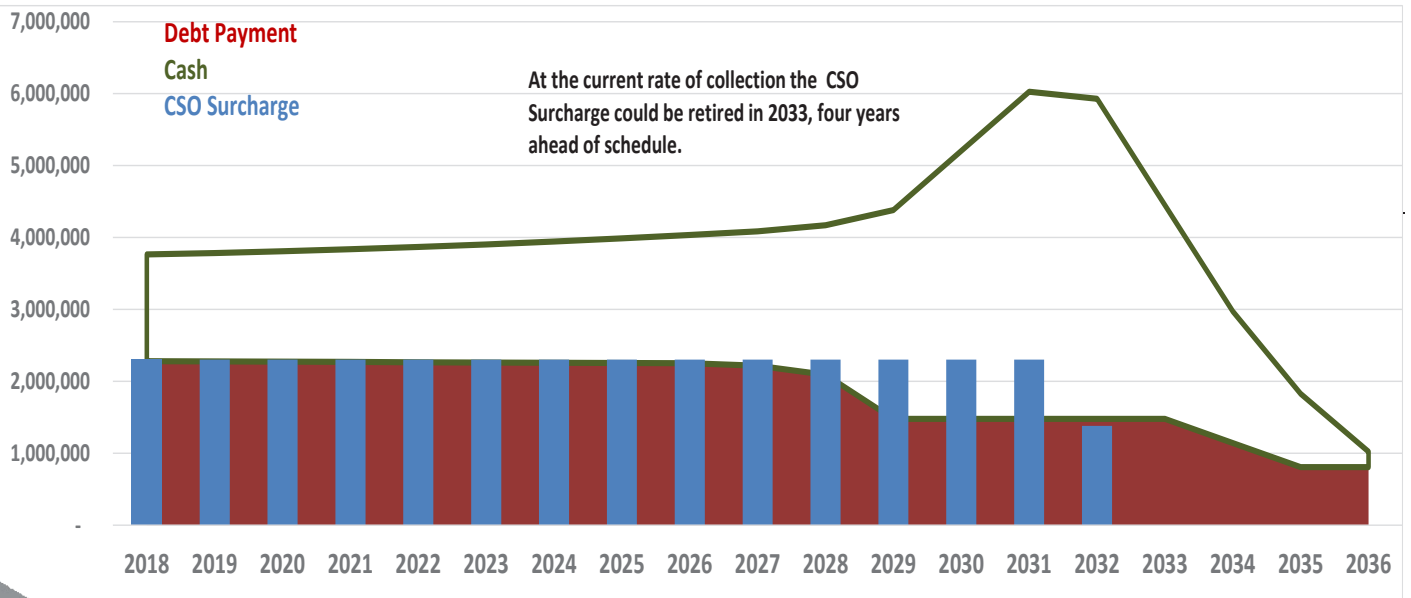
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# COMBINED SEWER OVERFLOW PROJECT LIST & CASH FLOW

PROJECT TITLE	TOTAL PROJECT	2018	2019	2020	2021	2022	2023	2024
<b>COMBINED SEWER OVERFLOW</b>								
WW0316 CSO 6 and 7 Reconstruction	209,949	16,500	150,000	-	-	-	-	-
WW0117 Francis Street Pigging Bypass	200,000	10,000	190,000	-	-	-	-	-
Debt CSO Loan Payments on Debt	25,596,935	2,281,404	2,277,596	2,273,789	2,269,981	2,266,174	2,262,367	2,258,559
	25,596,935	2,307,904	2,617,596	2,273,789	2,269,981	2,266,174	2,262,367	2,258,559

CASH FLOW ANALYSIS	2018	2019	2020	2021	2022	2023	2024
Beginning Cash Balance	1,461,738	1,482,234	1,506,538	1,534,649	1,566,568	1,602,294	1,641,828
<b>Revenues</b>							
CSO fee	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900
Interest Earnings	-	-	-	-	-	-	-
<b>Funding sources:</b>							
Accrual/Deferral effect on payments	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-
Loan Proceeds/Add'l Interest	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
<b>Spending</b>							
Debt Payments (projected)	2,281,404	2,277,596	2,273,789	2,269,981	2,266,174	2,262,367	2,258,559
Project costs	26,500	340,000	-	-	-	-	-
<b>ENDING CASH BALANCE</b>	<b>1,482,234</b>	<b>1,506,538</b>	<b>1,534,649</b>	<b>1,566,568</b>	<b>1,602,294</b>	<b>1,641,828</b>	<b>1,685,168</b>



Cash Balance continues to grow allowing for the surcharge to be discontinued early.

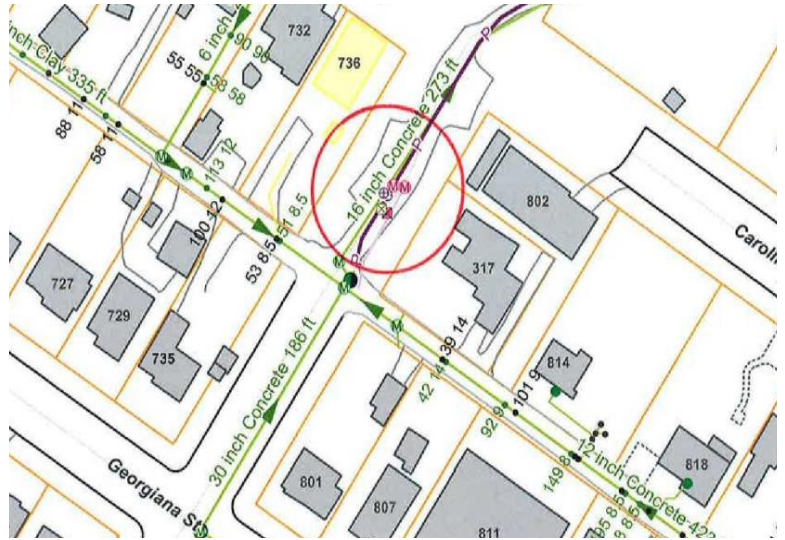


# FRANCIS STREET PIGGING BYPASS

WW0117

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: -123.4186, 48.1162  
 PROJECT MANAGERS: JEFF BENDER

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years



**ABOUT THE PROJECT:**

The project will install the needed bypass piping around the Francis Street pigging port installed with CSO Phase 1.

**JUSTIFICATION:**

This bypass line will allow operations staff to perform the necessary sewer main maintenance on the new 36" in 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 2; however, the existing line could not be located at the bottom of Francis Street Park.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater Reserves	\$ 10,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 10,000</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	10,000	-	-	-	-	-	-
Construction	-	190,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 10,000</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	400	8,000	8,000	8,000	8,000	8,000
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 400</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE:  
 -123.4329353542, 48.121150578  
 PROJECT MANAGERS: JEFF BENDER



<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

### ABOUT THE PROJECT:

The project will construct new combined sewer overflow (CSO) measuring stations at CSO 6, located at the intersection of Oak Street and Railroad Avenue, and CSO 7 located at the intersection of Laurel Street and Railroad Avenue. 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 CSOs is required by the wastewater system NPDES permit, and is the most important performance measurement for the CSO Reduction Program improvements.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Wastewater CSO Reserves	\$ 16,500	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
NICE funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 16,500</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	16,500	150,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 16,500</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	1,738	2,398	8,398	8,398	8,398	8,398	8,398
Other	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ 1,738</b>	<b>\$ 2,398</b>	<b>\$ 8,398</b>	<b>\$ 8,398</b>	<b>\$ 8,398</b>	<b>\$ 8,398</b>	<b>\$ 8,398</b>

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



CITY OF PORT ANGELES



2019 - 2024  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# SOLID WASTE



# SOLID WASTE FUND CAPITAL FACILITY PLAN

CFP YEAR: 2019 - 2024  
 MANAGER: TERESA REED-JENNINGS  
 CONTACT: TRJENNIN@CITYOFPA.US  
 PHONE: 360-417-4800

## 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.

REVENUES	Budget	CAPITAL FACILITIES PLAN					
	2018	2019	2020	2021	2022	2023	2024
Solid Waste Surcharge & Rates	335,000	-	-	-	-	-	-
Grants	750,000	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>1,085,000</b>	-	-	-	-	-	-

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	180,000	-	-	-	-	-	-
Construction	952,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>1,132,000</b>	-	-	-	-	-	-

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation/ amortization	976	8,965	8,965	8,965	8,965	8,965	8,965
Other -	-	-	-	-	-	-	-
- Debt payment	1,196,450	1,193,000	1,194,000	1,194,300	1,193,900	1,192,750	1,192,750
<b>TOTAL OTHER COSTS</b>	<b>1,197,426</b>	<b>1,201,965</b>	<b>1,202,965</b>	<b>1,203,265</b>	<b>1,202,865</b>	<b>1,201,715</b>	<b>1,201,715</b>

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



# SOLID WASTE PROJECT LIST & CASH FLOW

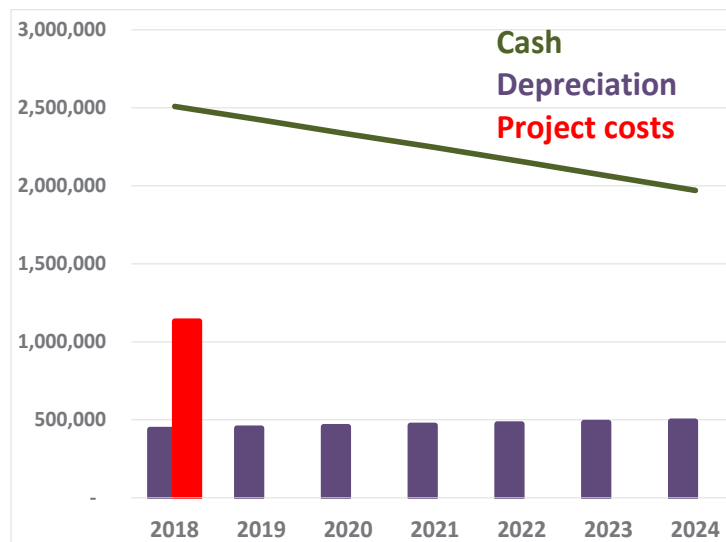
SOLID WASTE	PROJECT TITLE	RANK	TOTAL PROJECT	PRIOR YEARS	2018	CAPITAL FACILITIES PLAN 2019 - 2024					
						2019	2020	2021	2022	2023	2024
SW0118	Metal Recycle Facility Fence	A/PL	117,000	-	47,000	-	-	-	-	-	-
SW0112	Decant Facility at Transfer Station	A	932,554	22,554	910,000	-	-	-	-	-	-
SW0117	Landfill Operating Software	A	80,000	-	80,000	-	-	-	-	-	-
SW0217	Landfill Flare Replacement	A	95,000	-	95,000	-	-	-	-	-	-
SW0218	Landfill Security Fencing	PL	200,000	-	-	-	-	-	-	-	-
			1,424,554	22,554	1,132,000	-	-	-	-	-	-

CASH FLOW ANALYSIS	2018	2019	2020	2021	2022	2023	2024
Beginning Cash Balance	2,542,649	2,508,899	2,421,427	2,332,405	2,245,853	2,155,271	2,063,276
Landfill Surcharge*	971,500	1,008,800	1,008,800	1,008,800	1,008,800	1,008,800	1,008,800
Funding sources:							
Solid Waste Rates	-	50,000	50,000	50,000	50,000	50,000	50,000
Grants	750,000	-	-	-	-	-	-
Bonds (net used & paid)	(666,450)	(1,196,450)	(1,196,250)	(1,192,000)	(1,194,300)	(1,193,900)	(1,192,750)
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Interest Income	43,200	50,178	48,429	46,648	44,917	43,105	41,266
Spending:							
Project Cost	(1,132,000)	-	-	-	-	-	-
Ending Cash Balance	2,508,899	2,421,427	2,332,405	2,245,853	2,155,271	2,063,276	1,970,591
Depreciation	437,260	446,225	455,190	464,155	473,120	482,084	491,049
Cash/Depreciation	5.7	5.4	5.1	4.8	4.6	4.3	4.0

The Landfill cell stabilization project will be fully depreciated (expensed) when completed per State reporting requirements.

The Landfill cell stabilization project was not accepted as complete until early in 2017 by the Department of Ecology. As such it remains an active project during this CFP cycle for close out activities.

\*2018 surcharge budget is under stated by approximately \$270,000, corrected here in 2019 plus 4% increase per the rate table.



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 -123.507901, 48.129035  
 PROJECT MANAGER: Teresa Reed-Jennings

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years



**ABOUT THE PROJECT:**

Design and construct a decant facility to handle street sweeper, wastewater soils, and vector waste discharges. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea by more than doubling the capacity of the City to provide treatment and disposal of vector waste. 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 \$750,000

**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. Additional funding from Stormwater and Wastewater.

REVENUES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Solid Waste Reserves	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	750,000	-	-	-	-	-	-
Grants (unsecured)	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 910,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2017	2019	2020	2021	2022	2023	2024
Design	160,000	-	-	-	-	-	-
Construction	750,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 910,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2017	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	976	1,015	1,015	1,015	1,015	1,015	1,015
Other - Surcharge	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>976</b>	<b>1,015</b>	<b>1,015</b>	<b>1,015</b>	<b>1,015</b>	<b>1,015</b>	<b>1,015</b>

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



PROJECT STATUS: Active  
 LATITUDE / LONGITUDE: -123.507901, 48.129035  
 PROJECT MANAGER: Teresa Reed-Jennings

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**  
 Replacement of the Unitec billing system at the landfill.

**JUSTIFICATION:**  
 The current system will become obsolete due to age of the system.

REVENUES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Solid Waste Reserves	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds use of excess bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	80,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	3,200	3,200	3,200	3,200	3,200	3,200
Other - Surcharge	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>3,200</b>	<b>3,200</b>	<b>3,200</b>	<b>3,200</b>	<b>3,200</b>	<b>3,200</b>

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



# METAL RECYCLE FACILITY FENCE

SW0118

PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE:  
 -123.507901, 48.129035  
 PROJECT MANAGER: Teresa Reed-Jennings



*Maintenance Cost Descriptions:*

### ABOUT THE PROJECT:

The purpose of the Metal Recycle Facility Fence project is to provide security to the Metal Recycle Facility and the Moderate Risk Waste Facility located at the Port Angeles Regional Transfer Station. This work shall consist of furnishing and installing a 6 foot tall chain link fence type 3 with barbwire arms as specified.

### JUSTIFICATION:

To prevent trespass, and theft of recycled metal.

REVENUES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Solid Waste Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds 216 Bonds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design & Financing costs	-	-	-	-	-	-	-
Construction	47,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 47,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Surcharge	-	-	-	-	-	-	-
- Debt payment	1,196,450	1,193,000	1,194,000	1,194,300	1,193,900	1,192,750	1,192,750
- Interest	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>1,196,450</b>	<b>1,193,000</b>	<b>1,194,000</b>	<b>1,194,300</b>	<b>1,193,900</b>	<b>1,192,750</b>	<b>1,192,750</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.130691, -123.517638  
 PROJECT MANAGER: Teresa Reed-Jennings

**Maintenance Cost Descriptions:**

Estimated life 20 years

**ABOUT THE PROJECT:**

Location: Port Angeles Landfill, North of Existing 351 Landfill Cell, 3501 W 18th St. EPG Companies Inc. provided a quote is for a standard landfill gas flare with many of the same features as the existing gas flare, and appropriately sized for the reduction in Methane production. Depending on how much of the existing Flare facility is repurposed for construction of the new facility.

**JUSTIFICATION:**

2016 Flare monitoring data indicates the existing flare is operating near the low end of the manufacturer’s design range (40%), and will continue to operate only as long as there is sufficient methane concentration (estimated 30%) to maintain a flame (estimated at 1 to 5 years).



REVENUES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Solid Waste Reserves	\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds use of excess bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 95,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	20,000	-	-	-	-	-	-
Construction	75,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 95,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	4,750	4,750	4,750	4,750	4,750	4,750
Other - Surcharge	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>4,750</b>	<b>4,750</b>	<b>4,750</b>	<b>4,750</b>	<b>4,750</b>	<b>4,750</b>

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



PROJECT STATUS: Parking Lot  
 LATITUDE / LONGITUDE:  
 -123.518855, 48.127506  
 PROJECT MANAGER: Teresa Reed-Jennings



**Maintenance Cost Descriptions:**  
 Estimated life 25 years.

**ABOUT THE PROJECT:**

The purpose of the Fence is to provide security to the Port Angeles Regional Transfer Station. This work shall consist of furnishing and installing a 14 foot tall chain link fence type three with barbwire arms as specified. Funds in the parking lot \$200,000.

**JUSTIFICATION:**

To prevent trespass, and theft of recycled metal.

REVENUES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Solid Waste Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds use of excess bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Surcharge	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# STORMWATER



# STORMWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2019 - 2024  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4800

**STORMWATER FUND GOALS AND OBJECTIVES:**  
 To build and manage stormwater drainage within the City.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN				
		2019	2020	2021	2022	2023
Capital Reserves	632,000	100,000	925,000	135,000	1,000,000	103,000
Grants	-	500,000	-	-	-	-
Bonds	-	-	-	-	-	-
General Fund	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	72,000
Other Funds	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 632,000</b>	<b>\$ 600,000</b>	<b>\$ 925,000</b>	<b>\$ 135,000</b>	<b>\$ 1,000,000</b>	<b>\$ 175,000</b>

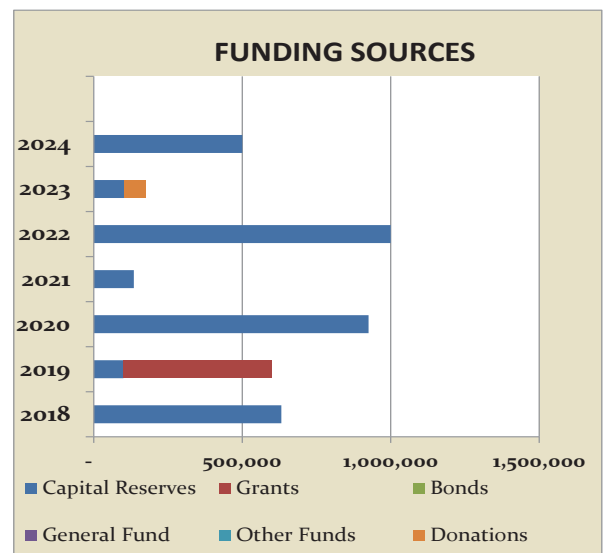
EXPENDITURES	2018	2019	2020	2021	2022	2023
Design	97,000	-	-	135,000	-	175,000
Construction	535,000	600,000	925,000	-	1,000,000	-
<b>TOTAL</b>	<b>\$ 632,000</b>	<b>\$ 600,000</b>	<b>\$ 925,000</b>	<b>\$ 135,000</b>	<b>\$ 1,000,000</b>	<b>\$ 175,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-
Supplies	-	-	-	-	-	-
Communications	-	-	-	-	-	-
Depreciation	99	7,999	14,563	14,563	16,250	28,750
Other	500	450,500	500	1,500	1,500	1,500
<b>TOTAL OTHER COSTS</b>	<b>\$ 599</b>	<b>\$ 458,499</b>	<b>\$ 15,063</b>	<b>\$ 16,063</b>	<b>\$ 17,750</b>	<b>\$ 30,250</b>

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

PROJECTS COMPLETED IN 2017	ACTUAL
Not applicable	
<b>TOTAL COMPLETED PROJECTS</b>	<b>-</b>

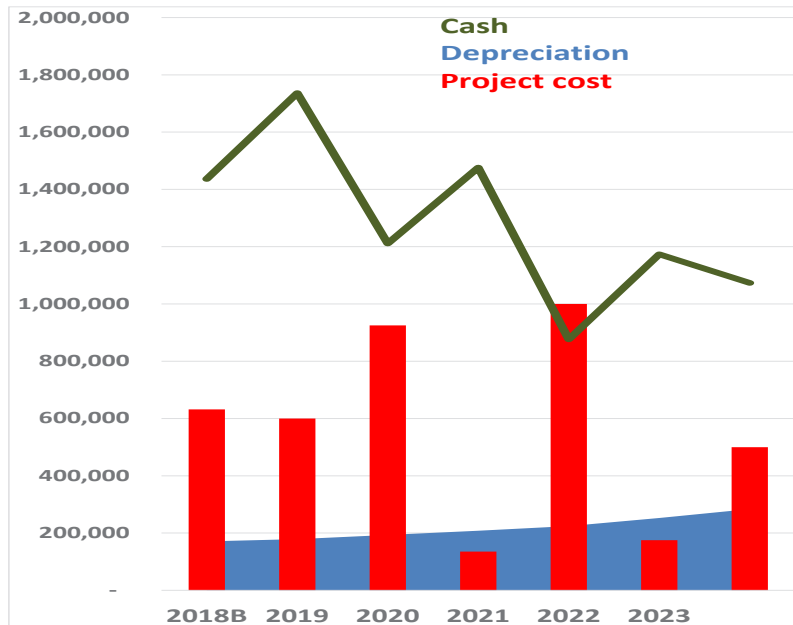
Completed projects are not included in the ongoing project totals for expenditures or revenues.



# STORMWATER PROJECT LIST & CASH FLOW

PROJECT TITLE	RANK	PROJECT	Budget 2018	CAPITAL FACILITIES PLAN						
				2019	2020	2021	2022	2023	2024	
DR0213	A	H' Street Stormwater Outfall	510,000	-	-	-	-	-	-	
DR0215	A	Francis Street Outfall Repair	35,000	-	-	-	-	-	-	
DR0404	1	Canyon Edge & Ahlvers Stormwater	2,424,950	-	925,000	-	-	-	-	
DR0117	2	Peabody Creek Water Quality Project	620,000	600,000	-	-	-	-	-	
DR0115	3	Liberty Street Stormwater Improvement	3,135,000	-	-	135,000	1,000,000	-	-	
DR0304	4	Laurel Street and US 101 Stormwater	575,000	-	-	-	-	75,000	500,000	
DR0804	5	Lincoln Park/Big Boy Pond Study	100,000	-	-	-	-	100,000	-	
DR0112	PL	Valley Creek Culvert and Outfall	800,000	-	-	-	-	-	-	
			8,199,950	632,000	600,000	925,000	135,000	1,000,000	175,000	500,000

CASH FLOW ANALYSIS	2018B	2019	2020	2021	2022	2023	2024
Beginning Cash Balance	1,668,305	1,436,305	1,736,305	1,211,305	1,476,305	876,305	1,173,305
<b>Funding sources:</b>							
Utilities Reserves*	400,000	400,000	400,000	400,000	400,000	400,000	400,000
Grants	-	500,000	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	72,000	-
Cash Receipt/Paid timing	-	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(632,000)	(600,000)	(925,000)	(135,000)	(1,000,000)	(175,000)	(500,000)
Ending Cash Balance	1,436,305	1,736,305	1,211,305	1,476,305	876,305	1,173,305	1,073,305
Depreciation	170,658	178,658	193,220	207,783	224,033	252,783	283,720
	8.42	9.72	6.27	7.11	3.91	4.64	3.78
<b>Operating (based on 2018 budget plus 2.5% annually)</b>							
Operating Cash	1,012,913	1,375,317	1,253,629	1,546,996	1,803,545	2,023,380	2,205,584
Revenue	2,126,600	2,126,600	2,126,600	2,126,600	2,126,600	2,126,600	2,126,600
Expenses (2.5% CPI)	(1,363,696)	(1,397,788)	(1,432,733)	(1,468,551)	(1,505,265)	(1,542,896)	(1,581,469)
Direct Operating Expense	(500)	(450,500)	(500)	(1,500)	(1,500)	(1,500)	(1,500)
Trfs for capital	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)
	1,375,317	1,253,629	1,546,996	1,803,545	2,023,380	2,205,584	2,349,215



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 -123.439159, 48.121783  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Not Applicable

**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. In the parking lot at \$800,000.

**JUSTIFICATION:**

The low elevation causes sand and gravel to collect in the culvert, which significantly reduces culvert capacity. Debris is currently removed manually, which was estimated to cost \$105,000 in 2012.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.414558, 48.106788  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Existing stormlines near Liberty Street are undersized, project will increase the capacity of stormwater drainage at Liberty Street. Project limits from Liberty Street to Washington Street. (Parking Lot, additional \$2.0 million).

**JUSTIFICATION:**  
 To prevent and help mitigate any flooding issues.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -		135,000	\$ 1,000,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>135,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2,021	2022	2023	2024
Design	-	-		135,000	-	-	-
Construction	-	-	-		1,000,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>135,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	1,688	14,188	14,188
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,688</b>	<b>\$ 14,188</b>	<b>\$ 14,188</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.4327318, 48.11271  
 PROJECT MANAGER: JONATHAN BOEHME



FILTERRA UNITS (EXAMPLE)

*Maintenance Cost Descriptions:*

Estimated life 80 years  
 No depreciation for this item, used to record transfer expense.

**ABOUT THE PROJECT:**

Installation of water quality devices along Peabody Street. Funded by a Washington State Department of Ecology Grant.

**JUSTIFICATION:**

Removal of pollutants such as fecal coliform from the Peabody Creek Watershed.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 20,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	500,000	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	20,000	-	-	-	-	-	-
Construction	-	600,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	250	7,750	7,750	7,750	7,750	7,750
Other -explained on individual sheets	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 250</b>	<b>\$ 7,750</b>	<b>\$ 7,750</b>	<b>\$ 7,750</b>	<b>\$ 7,750</b>	<b>\$ 7,750</b>

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



PROJECT STATUS: Active  
 LATITUDE / LONGITUDE:  
 -123.464129, 48127391  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Replace an existing 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 will be evaluated to determine the preferred route.

**JUSTIFICATION:**

Decrease flooding and reducing maintenance and repair costs.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 510,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	10,000	-	-	-	-	-	-
Construction	500,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 510,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	6,375	6,375	6,375	6,375	6,375	6,375
Other - annual maintenance/inspe	500	500	500	500	500	500	500
<b>TOTAL OTHER COSTS</b>	<b>\$ 500</b>	<b>\$ 6,875</b>	<b>\$ 6,875</b>	<b>\$ 6,875</b>	<b>\$ 6,875</b>	<b>\$ 6,875</b>	<b>\$ 6,875</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.418302, 48.116354  
 PROJECT MANAGER: JONATHAN BOEHME



*Maintenance Cost Descriptions:*

Estimated life 80 years

**ABOUT THE PROJECT:**

Existing outfall is almost submerged under beach sediments and should be upgraded to meet current WDFW design standards. Rather than a pipe extending into the tidelands, current standards require energy dissipation, which will be located on the rip-rap bank. Rehabilitation of this outfall will restore flow capacity, so that outfall capacity matches pipe capacity. The upgrade in system capacity is needed to enable upstream connections.

**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 outfall events.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

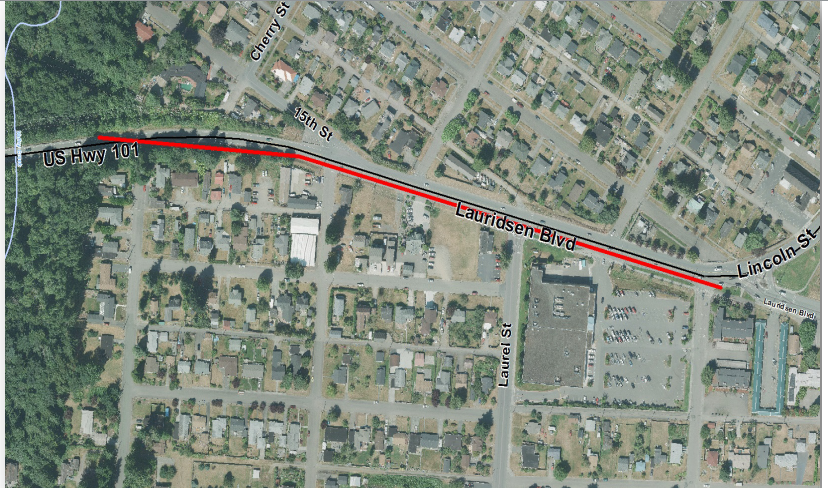
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	35,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	438	438	438	438	438	438
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 -123.442875, 48.197153  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
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.

**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	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -			\$ -	\$ -	\$ 3,000	\$ 500,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
PRD funds (310Cap)	-	-	-	-	-	72,000	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ 500,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-		-	-	-	75,000	-
Construction	-					-	500,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ 500,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	938
Other -explain	-	-	-	1,000	1,000	1,000	1,000
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,938</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE:  
 -123.434775, 48.894499  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
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. This is a two part project with an initial phase to alleviate the most severe conditions with the second phase in the parking lot at \$1.425 million.

**JUSTIFICATION:**

Flooding during large storms overtops stormwater system.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 67,000	\$ -	\$ 925,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 67,000</b>	<b>\$ -</b>	<b>\$ 925,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	67,000	-	-	-	-	-	-
Construction	-	-	925,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 67,000</b>	<b>\$ -</b>	<b>\$ 925,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	99	937	-	-	-	-	-
Other - annual maintenance	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ 99</b>	<b>\$ 937</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: -123.47487, 48.1155294  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Design and implement a solution to flooding in the Big Boy Pond at Lincoln Park.

**JUSTIFICATION:**

Prevent flooding in the fairground and areas west of Stevens Middle School.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	100,000	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	1,250
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,250</b>

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



PROJECT STATUS: TRANSFER TO TR0414  
 LATITUDE / LONGITUDE: -123.431675, 48.11791  
 PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*  
 No depreciation for this item, used to record transfer expense.

**ABOUT THE PROJECT:**

Funded by the Stormwater rates, but included in the Transportation Plan (TIB), this grant represents the Stormwater commitment to fund TR0414 by matching the grant.

**JUSTIFICATION:**

The culvert could fail with a high potential for property damage and loss of a portion of Lincoln Street.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -Transfer to Street Project	-	450,000	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# EQUIPMENT SERVICES



# EQUIPMENT SERVICES CAPITAL FACILITY PLAN

CFP YEAR: 2019 - 2024  
 MANAGERS: JAMES BURKE/BRIAN COBURN  
 CONTACTS: JBURKE@CITYOFPA.US  
 BCOBURN@CITYOFPA.US  
 PHONE: 360-417-4800

## EQUIPMENT SERVICES FUND GOALS AND OBJECTIVES:

Replacement of vehicles and operating cost associated with those vehicles.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN 2019 - 2024					
		2019	2020	2021	2022	2023	2024
Utilities	581,200	561,200	561,200	561,200	561,200	561,200	561,200
General Fund	442,600	442,600	452,600	462,600	472,600	482,600	492,600
Interest & Vehicles Sales	-	-	-	-	-	-	-
Internal Service Funds	2,000	2,000	2,000	2,000	2,000	2,000	2,000
<b>TOTAL</b>	<b>\$ 1,025,800</b>	<b>\$ 1,005,800</b>	<b>\$ 1,015,800</b>	<b>\$ 1,025,800</b>	<b>\$ 1,035,800</b>	<b>\$ 1,045,800</b>	<b>\$ 1,055,800</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Other Equipment/Generators	-	-	-	-	-	-	-
Purchase of Vehicles	1,354,200	1,218,400	1,021,500	641,000	1,029,900	1,087,300	1,272,701
<b>TOTAL</b>	<b>\$ 1,354,200</b>	<b>\$ 1,218,400</b>	<b>\$ 1,021,500</b>	<b>\$ 641,000</b>	<b>\$ 1,029,900</b>	<b>\$ 1,087,300</b>	<b>\$ 1,272,701</b>

MAINTENANCE	2018	2019	2020	2021	2022	2023	2024
Fuel	293,600	293,600	293,600	293,600	293,600	293,600	293,600
Parts & Repair	1,161,000	1,161,000	1,161,000	1,161,000	1,161,000	1,161,000	1,161,000
Equipment Rental	56,300	56,200	56,200	56,200	56,200	56,200	56,200
<b>TOTAL MAINTENANCE</b>	<b>1,510,900</b>	<b>1,510,800</b>	<b>1,510,800</b>	<b>1,510,800</b>	<b>1,510,800</b>	<b>1,510,800</b>	<b>1,510,800</b>

PROJECT EXPENDITURE LISTING BY YEAR EQUIPMENT SERVICES	Budget 2018	PROJECTED SPENDING					
		2019	2020	2021	2022	2023	2024
Finance	-	-	21,200	-	-	-	34,800
Community Development	-	-	-	-	-	-	1
Police	148,500	151,200	154,200	157,200	160,200	162,900	162,900
Fire & Medic 1	213,300	33,000	43,700	-	47,500	585,000	222,800
Parks & Recreation	247,500	91,000	-	79,900	30,700	92,400	41,400
Engineering	-	-	-	-	-	-	58,200
Light Ops	283,200	312,000	-	43,200	63,300	75,600	56,000
Water	-	42,000	159,000	38,900	-	140,000	40,300
Wastewater	-	62,400	-	-	-	31,400	-
Solid Waste	353,900	45,800	394,300	-	425,700	-	388,600
Stormwater	20,000	-	-	-	-	-	-
Conservation	-	-	-	-	-	-	-
Equipment Services	78,800	-	-	68,000	275,000	-	37,900
Information Services	-	-	-	-	-	-	39,200
Streets	9,000	481,000	249,100	253,800	27,500	-	190,600
<b>TOTAL EXPENDITURES PROJECTED</b>	<b>1,354,200</b>	<b>1,218,400</b>	<b>1,021,500</b>	<b>641,000</b>	<b>1,029,900</b>	<b>1,087,300</b>	<b>1,272,701</b>

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

CASH FLOW ANALYSIS	Budget 2018	2019	2020	2021	2022	2023	2024
Beginning Cash Balance	4,220,552	3,892,152	3,679,552	3,673,852	4,058,652	4,064,552	4,023,052
Vehicle purchases	(1,354,200)	(1,218,400)	(1,021,500)	(641,000)	(1,029,900)	(1,087,300)	(1,272,701)
Funding sources:							
Utilities Reserves	581,200	561,200	561,200	561,200	561,200	561,200	561,200
General Fund	442,600	442,600	452,600	462,600	472,600	482,600	492,600
Sales, Interest & Grants	-	-	-	-	-	-	-
Internal Service Funds	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	3,892,152	3,679,552	3,673,852	4,058,652	4,064,552	4,023,052	3,806,151



# EQUIPMENT SERVICES REPLACEMENT LIST

2018		
DEPARTMENT/ VEHICLE	Replaces	Budgeted 2018
<b>***POLICE***</b>		
POLICE CRUISER	6102	49,500
POLICE CRUISER	6103	49,500
POLICE CRUISER	6105	49,500
<b>*** FIRE DEPT ***</b>		
FORD TAURUS W/1/2 TON PICKUP	5202	40,000
FORD AMBULANCE	6	173,300
<b>***EQUIPMENT SERVICES***</b>		
PONTIAC VIBE	5425	38,800
Corp Fuel Pump REPLACEMENT	NA	25,000
EQ SERVICES WELDER REPLACEMENT	NA	15,000
<b>***STREET***</b>		
HERB SPRAY SYSTEM	NA	9,000
<b>***PARKS***</b>		
NEW HOLLAND TRACTOR	1884	45,000
SENIOR CENTER BUS	1861	86,000
GROUNDMASTER MOWER	5331	76,500
UTILITY TRUCK WITH VAN	1856	40,000
<b>***SOLID WASTE***</b>		
PETERBUILT GARBAGE TRUCK	5801	353,900
<b>***STORMWATER***</b>		
VACTOR SUCTION HOOD	1241	20,000
<b>***ELECTRIC***</b>		
FLATBED TRUCK	143	197,500
DODGE RAM	138	68,700
HYD WINCH W/CAPSTAN	1650	17,000
<b>TOTAL 2018</b>		<b>1,354,200</b>

2019		
DEPARTMENT/ VEHICLE	Relaces	Proposed 2019
<b>***POLICE***</b>		
POLICE CRUISER	6104	50,400
POLICE CRUISER	911	50,400
POLICE CRUISER	1111	50,400
<b>*** FIRE DEPT ***</b>		
GMC ENVOY	4201	33,000
<b>***WATER***</b>		
AIR COMPRESSOR	1776	26,000
Hydraulic Winch	Add on	16,000
<b>***WASTEWATER***</b>		
3500 TRUCK	1652	62,400
<b>***STREET***</b>		
6-8 YD DUMP TRUCK	1579	156,000
10 YD ROLL OFF DUMP TRUCK	1501	325,000
<b>***PARKS***</b>		
SAVANA VAN	4400	41,600
GMC SIERRA 3500 PU	4327	49,400
<b>***SOLID WASTE***</b>		
2500 W/LIFTGATE	4501	45,800
<b>***ELECTRIC***</b>		
MANLIFT TRUCK	155	275,600
PICKUP TRUCK	6902	36,400
<b>TOTAL</b>		<b>1,218,400</b>



# 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.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities	4520	30,000	10,000	10,000	10,000	10,000	10,000	10,000
	General Fund	4520	-	-	-	-	-	-	-
	Sale of Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 30,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>

EXPENDITURES									
	Other Equipment & Attachments		-	-	-	-	-	-	-
	Planned Use of Reserves		-	-	21,200	-	-	-	34,800
<b>TOTAL</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 34,800</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	4,100	4,100	4,100	4,100	4,100	4,100	4,100
	Parts & Repair	4521	8,800	8,800	8,800	8,800	8,800	8,800	8,800
	Equipment Rental	4533	300	300	300	300	300	300	300
<b>TOTAL MAINTENANCE</b>			<b>13,200</b>	<b>13,200</b>	<b>13,200</b>	<b>13,200</b>	<b>13,200</b>	<b>13,200</b>	<b>13,200</b>

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	Replacement Cost	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
194	GMC SONOMA PICKUP	1994	2020	20,000	26	-	-	21,200	-	-	-	-
4401	GMC CANYON	2004	2024	30,000	20	-	-	-	-	-	-	34,800
4402	GMC CANYON	2004	2029	30,000	25	-	-	-	-	-	-	-
				<b>80,000</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 34,800</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	47,714	77,714	87,714	76,514	86,514	96,514	106,514
Contributions	30,000	10,000	10,000	10,000	10,000	10,000	10,000
Interest & sale of vehicles							
Reserves Used	-	-	(21,200)	-	-	-	(34,800)
<b>Projected year end Cash</b>	<b>77,714</b>	<b>87,714</b>	<b>76,514</b>	<b>86,514</b>	<b>96,514</b>	<b>106,514</b>	<b>81,714</b>

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.



**ABOUT THE PROJECT:**

Replacement schedule and anticipated operating costs for the Code Enforcement Officer and the Planning Department.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities Transfer truck to Stormwater from CD	4520	-	-	-	-	-	-	-
	General Fund	4520	3,000	3,000	3,000	3,000	3,000	3,000	3,000
	Sale/purchase of internal Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>

EXPENDITURES									
	Other Equipment & Attachments		-	-	-	-	-	-	-
	Replacement of Vehicles		-	-	-	-	-	(40)	-
<b>TOTAL</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (40)</b>	<b>\$ -</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	1,300	1,300	1,300	1,300	1,300	1,300	1,300
	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
<b>TOTAL MAINTENANCE</b>		<b>12264</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
8451	FORD F150	2008	2028	32,000	20	-	-	-	-	-	(40)	-
7451	GMC Sierra	2007	2027	32,000	20	-	-	-	-	-	-	-
						<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (40)</b>	<b>\$ -</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	55,525	58,525	61,525	64,525	67,525	70,525	73,565
Contributions	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Interest & Sale of Vehicles Reserves Used	-	-	-	-	-	40	-
Projected year end Cash	58,525	61,525	64,525	67,525	70,525	73,565	76,565

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 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
Utilities		4520	-	-	-	-	-	-	-
General Fund		4520	125,000	125,000	135,000	145,000	155,000	165,000	175,000
Sale of Vehicles		395-XXXX	-	-	-	-	-	-	-
Internal Service Funds/Grants		4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 135,000</b>	<b>\$ 145,000</b>	<b>\$ 155,000</b>	<b>\$ 165,000</b>	<b>\$ 175,000</b>

EXPENDITURES									
Other Equipment & Attachments			-	-	-	-	-	-	-
Replacement of Vehicles			148,500	151,200	154,200	157,200	160,200	162,900	162,900
<b>TOTAL</b>			<b>\$ 148,500</b>	<b>\$ 151,200</b>	<b>\$ 154,200</b>	<b>\$ 157,200</b>	<b>\$ 160,200</b>	<b>\$ 162,900</b>	<b>\$ 162,900</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
Fuel		3210	53,200	53,200	53,200	53,200	53,200	53,200	53,200
Parts & Repair		4521	141,100	141,100	141,100	141,100	141,100	141,100	141,100
Equipment Rental		4533	2,700	2,700	2,700	2,700	2,700	2,700	2,700
<b>TOTAL MAINTENANCE</b>			<b>197,000</b>	<b>197,000</b>	<b>197,000</b>	<b>197,000</b>	<b>197,000</b>	<b>197,000</b>	<b>197,000</b>

#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE COST	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
1710	Dodge Charger	2017	2017	61,053	11	-	-	-	-	-	-	-
910	FORD EXPEDITION	2009	2021	48,500	12	-	-	-	52,400	-	-	-
911	FORD CROWN VICTORIA	2005	2019	48,500	14	-	50,400	-	-	-	-	-
913	DODGE CHARGER	2009	2025	48,500	16	-	-	-	-	-	-	-
1010	DODGE CHARGER	2010	2024	48,500	14	-	-	-	-	-	-	54,300
1011	DODGE CHARGER	2010	2024	48,500	14	-	-	-	-	-	-	54,300
1012	DODGE CHARGER	2010	2024	48,500	14	-	-	-	-	-	-	54,300
1110	DODGE CHARGER	2011	2022	48,500	11	-	-	-	-	53,400	-	-
1111	FORD CROWN VICTORIA	2005	2019	48,500	14	-	50,400	-	-	-	-	-
1112	FORD CROWN VICTORIA	2005	2021	48,500	16	-	-	-	52,400	-	-	-
1210	FORD CROWN VICTORIA	2007	2022	48,500	15	-	-	-	-	53,400	-	-
1211	FORD CROWN VICTORIA	2007	2021	48,500	14	-	-	-	52,400	-	-	-
1310	FORD CROWN VICTORIA	2007	2022	48,500	15	-	-	-	-	53,400	-	-
1311	CHEVROLET CAPRICE	2011	2023	48,500	12	-	-	-	-	-	54,300	-
1312	CHEVROLET CAPRICE	2011	2023	48,500	12	-	-	-	-	-	54,300	-
1313	DODGE CHARGER	2013	2025	48,500	12	-	-	-	-	-	-	-
1314	CHEVROLET TAHOE	2014	2026	48,500	12	-	-	-	-	-	-	-
1410	DODGE CHARGER	2013	2025	48,500	12	-	-	-	-	-	-	-
1411	FORD CROWN VICTORIA	2005	2020	48,500	15	-	-	51,400	-	-	-	-
1412	DODGE CHARGER	2014	2025	48,500	11	-	-	-	-	-	-	-
1510	GMC TAHOE	2014	2027	48,500	13	-	-	-	-	-	-	-
1511	DODGE CHARGER	2012	2026	48,500	14	-	-	-	-	-	-	-
1512	DODGE CHARGER	2011	2027	48,500	16	-	-	-	-	-	-	-
1513	DODGE CHARGER	2011	2027	48,500	16	-	-	-	-	-	-	-
1514	Radar Trailer	2009	2028	48,500	19	-	-	-	-	-	-	-
1612	DODGE CHARGER	2016	2028	48,500	12	-	-	-	-	-	-	-
1613	DODGE CHARGER	2016	2028	48,500	12	-	-	-	-	-	-	-
4102	FORD CROWN VICTORIA	2004	2014	48,500	10	-	-	-	-	-	-	-
4103	FORD CROWN VICTORIA	2004	2020	48,500	16	-	-	51,400	-	-	-	-
5107	FORD CROWN VICTORIA	2005	2020	48,500	15	-	-	51,400	-	-	-	-
6101	VOLUNTEER PICKUP	2006	2023	48,500	17	-	-	-	-	-	54,300	-
6102	CHEVROLET IMPALA	2006	2018	48,500	12	49,500	-	-	-	-	-	-
6103	CHEVROLET IMPALA	2006	2018	48,500	12	49,500	-	-	-	-	-	-
6104	FORD CROWN VICTORIA	2007	2019	48,500	12	-	50,400	-	-	-	-	-
6105	FORD CROWN VICTORIA	2007	2018	48,500	11	49,500	-	-	-	-	-	-
35	Police Cruiser											
	OPNET VEHICLE (no replacement)					-	-	-	-	-	-	-
				1,710,053		\$ 148,500	\$ 151,200	\$ 154,200	\$ 157,200	\$ 160,200	\$ 162,900	\$ 162,900

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	436,279	412,779	386,579	367,379	355,179	349,979	352,079
CONTRIBUTIONS	125,000	125,000	135,000	145,000	155,000	165,000	175,000
Interest Earned							
Use of replacement funds	(148,500)	(151,200)	(154,200)	(157,200)	(160,200)	(162,900)	(162,900)
Projected year end Cash	412,779	386,579	367,379	355,179	349,979	352,079	364,179



# FIRE & MEDIC 1 VEHICLE REPLACEMENT SCHEDULE

## DIVISIONS - 6010, 6020, 6025, 6030, 6040

### ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Fire Department.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities	4520	46,100	46,100	46,100	46,100	46,100	46,100	46,100
	General Fund	4520	92,800	92,800	92,800	92,800	92,800	92,800	92,800
	Sale of Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 138,900</b>	<b>\$ 138,900</b>	<b>\$ 138,900</b>	<b>\$ 138,900</b>	<b>\$ 138,900</b>	<b>\$ 138,900</b>	<b>\$ 138,900</b>

EXPENDITURES									
	Other Equipment & Attachments		-	-	-	-	-	-	-
	Replacement of Vehicles		213,300	33,000	43,700	-	47,500	585,000	222,800
<b>TOTAL</b>			<b>\$ 213,300</b>	<b>\$ 33,000</b>	<b>\$ 43,700</b>	<b>\$ -</b>	<b>\$ 47,500</b>	<b>\$ 585,000</b>	<b>\$ 222,800</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	22,066	22,066	22,066	22,066	22,066	22,066	22,066
	Parts & Repair	4521	93,000	93,000	93,000	93,000	93,000	93,000	93,000
	Equipment Rental	4533	500	500	500	500	500	500	500
<b>TOTAL MAINTENANCE</b>			<b>115,566</b>	<b>115,566</b>	<b>115,566</b>	<b>115,566</b>	<b>115,566</b>	<b>115,566</b>	<b>115,566</b>

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
<b>FIRE DEPARTMENT</b>												
3	PIERCE PUMPER	1999	2023	450,000	24	-	-	-	-	-	585,000	-
4201	GMC ENVOY	2004	2019	30,000	15	-	33,000	-	-	-	-	-
4200	GMC 4X4	2004	2020	38,000	16	-	-	43,700	-	-	-	-
5202	FORD TAURUS SEDAN	2005	2018	30,000	13	40,000	-	-	-	-	-	-
6201	PIERCE AERIAL/PUMPER	2006	2036	1,200,000	30	-	-	-	-	-	-	-
7203	4X4 TRUCK	2007	2022	38,000	15	-	-	-	-	47,500	-	-
920	AIR TRUCK -do not replace	2009		165,000		-	-	-	-	-	-	-
NEW	NEW PUMPER	2017	2041	300,000	24	-	-	-	-	-	-	-
1020	PIERCE FIRE PUMPER	2010	2034	450,000	24	-	-	-	-	-	-	-
<b>MEDIC 1</b>												
6	FORD AMBULANCE	2000	2018	165,000	18	173,300	-	-	-	-	-	-
1420	FORD AMBULANCE	2015	2033	165,000	18	-	-	-	-	-	-	-
7201	FORD E350 AMBULANCE	2006	2024	165,000	18	-	-	-	-	-	-	222,800
						<b>\$ 213,300</b>	<b>\$ 33,000</b>	<b>\$ 43,700</b>	<b>\$ -</b>	<b>\$ 47,500</b>	<b>\$ 585,000</b>	<b>\$ 222,800</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	619,552	545,152	651,052	746,252	885,152	976,552	530,452
Contributions	138,900	138,900	138,900	138,900	138,900	138,900	138,900
Interest & Vehicle Sales							
Reserves Used	(213,300)	(33,000)	(43,700)	-	(47,500)	(585,000)	(222,800)
Projected year end Cash	545,152	651,052	746,252	885,152	976,552	530,452	446,552

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. The expectation is that in 30 years a bond or other financing source will be used.

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.



# 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 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities	4520	-	-	-	-	-	-	-
	General Fund	4520	4,100	4,100	4,100	4,100	4,100	4,100	4,100
	Sale of Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 4,100</b>	<b>\$ 4,100</b>	<b>\$ 4,100</b>	<b>\$ 4,100</b>	<b>\$ 4,100</b>	<b>\$ 4,100</b>	<b>\$ 4,100</b>

EXPENDITURES									
	Other Equipment		-	-	-	-	-	-	-
	Replacement of Vehicles		-	-	-	-	-	-	58,200
<b>TOTAL</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58,200</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	2,500	2,500	2,500	2,500	2,500	2,500	2,500
	Parts & Repair	4521	5,800	5,800	5,800	5,800	5,800	5,800	5,800
	Equipment Rental	4533	1,800	1,800	1,800	1,800	1,800	1,800	1,800
<b>TOTAL MAINTENANCE</b>			<b>10,100</b>	<b>10,100</b>	<b>10,100</b>	<b>10,100</b>	<b>10,100</b>	<b>10,100</b>	<b>10,100</b>

#	REPLACEMENT DETAIL		REPLACE	Replacement Cost	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
4300	GMC SIERRA	2004	2024	26,000	20	-	-	-	-	-	-	29,100
4301	GMC SIERRA	2004	2024	26,000	20	-	-	-	-	-	-	29,100
5302	GMC SAVANA PU	2005	2025	40,000	20	-	-	-	-	-	-	-
						<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58,200</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
<b>BEGINNING CASH</b>	65,495	69,595	73,695	77,795	81,895	85,995	90,095
Contributions	4,100	4,100	4,100	4,100	4,100	4,100	4,100
Interest & Vehicle Sales							
Reserves Used	-	-	-	-	-	-	(58,200)
<b>Projected year end Cash</b>	<b>69,595</b>	<b>73,695</b>	<b>77,795</b>	<b>81,895</b>	<b>85,995</b>	<b>90,095</b>	<b>35,995</b>



# 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 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities	4520	-	-	-	-	-	-	-
	General Fund	4520	63,700	63,700	63,700	63,700	63,700	63,700	63,700
	Sale of Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 63,700</b>	<b>\$ 63,700</b>	<b>\$ 63,700</b>	<b>\$ 63,700</b>	<b>\$ 63,700</b>	<b>\$ 63,700</b>	<b>\$ 63,700</b>

EXPENDITURES									
	Other Equipment & Attachments		-	-	-	-	-	-	-
	Replacement of Vehicles		247,500	91,000	-	79,900	30,700	92,400	41,400
<b>TOTAL</b>			<b>\$ 247,500</b>	<b>\$ 91,000</b>	<b>\$ -</b>	<b>\$ 79,900</b>	<b>\$ 30,700</b>	<b>\$ 92,400</b>	<b>\$ 41,400</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	36,900	36,900	36,900	36,900	36,900	36,900	36,900
	Parts & Repair	4521	133,000	133,000	133,000	133,000	133,000	133,000	133,000
	Equipment Rental	4533	9,100	9,100	9,100	9,100	9,100	9,100	9,100
<b>TOTAL MAINTENANCE</b>			<b>179,000</b>	<b>179,000</b>	<b>179,000</b>	<b>179,000</b>	<b>179,000</b>	<b>179,000</b>	<b>179,000</b>

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
1630	SENIOR CENTER Bus	2017	2032	61,024	15	86,000	-	-	-	-	-	-
	CEMETERY											
1230	GRASSHOPPER MOWER 725DR/3746	2012	2027	17,611	15	-	-	-	-	-	-	-
1235	JCB BACKHOE	2012	2037	105,000	25	-	-	-	-	-	-	-
1430	JOHN DEERE GATOR TS	2014	2029	10,404	15	-	-	-	-	-	-	-
1887	DODGE 1T TRUCK 4X4 W/SNOW BOSS	1999	2021	55,000	22	-	-	-	59,400	-	-	-
	PARKS OPERATIONS											
152	GMC BUCKET TRUCK	2017	2042	92,154	25	-	-	-	-	-	-	-
181	TRAILER	1985	2025	2,500	40	-	-	-	-	-	-	-
182	TRAILER	1980	2015	2,500	35	-	-	-	-	-	-	-
183	SANI UTILITY TRAILER	1970	2005	2,500	35	-	-	-	-	-	-	-
1231	GROUNDMASTER MOWER 3280D	2012	2027	22,902	15	-	-	-	-	-	-	-
1232	GROUNDMASTER MOWER 3280D BLO	2012	2027	28,035	15	-	-	-	-	-	-	-
1233	TORO MOWER	2012	2027	25,225	15	-	-	-	-	-	-	-
1234	JOHN DEERE FIELD RAKE	2012	2027	10,653	15	-	-	-	-	-	-	-
1330	GMC 1 TON FLATBED TRUCK	2013	2033	31,414	20	-	-	-	-	-	-	-
1331	FORD F450 FLATBED TRUCK	2014	2029	46,131	15	-	-	-	-	-	-	-
1431	TORO TURF SWEEPER	2014	2034	32,559	20	-	-	-	-	-	-	-
1531	JOHN DEERE FIELD RAKE	2015	2030	13,473	15	-	-	-	-	-	-	-
1811	JOHN DEERE FIELD RAKE	1997	2017	-	20	-	-	-	-	-	-	-
1630	GMC Chev Truck	2017	2037	29,146	20	-	-	-	-	-	-	-
1631	Ford Bucket Lift Truck	2018	2038	93,223	20	-	-	-	-	-	-	-
1734	Ford 3/4T Truck	2017	2037	17,795	20	-	-	-	-	-	-	-
1856	DODGE RAM 3/4TON TRUCK	2001	2018	39,150	17	40,000	-	-	-	-	-	-
1884	FORD NEWHOLLAND TRACTOR	2002	2032	25,153	30	45,000	-	-	-	-	-	-
1888	GRASSHOPPER MOWER	2001	2021	19,000	20	-	-	-	20,500	-	-	-
1890-01	UNIVERSAL EQUIPMENT TRAILER (SM)	1994	2034	-	40	-	-	-	-	-	-	-
4327	GMC SIERRA 3500 PU	2004	2019	47,500	15	-	49,400	-	-	-	-	-
4328	GMC SIERRA 3500 PU	2004	2023	47,500	19	-	-	-	-	-	53,200	-
4700	GMC SIERRA 4X4 1500	2004	2024	37,000	20	-	-	-	-	-	-	41,400
5330	KUBOTA TRACTOR	2005	2025	35,000	20	-	-	-	-	-	-	-
5331	GROUNDMASTER MOWER	2005	2018	75,000	13	-	-	-	-	-	-	-
5333	10000# TRAILER	2005	2030	2,936	25	-	-	-	-	-	-	-
5335	FORD F450 w/DUMP	2006	2026	80,000	20	-	-	-	-	-	-	-
6321	JOHN DEERE GATOR TS	2006	2026	6,054	20	-	-	-	-	-	-	-
6323	GMC .75T SIERRA TRUCK	2006	2023	35,000	17	-	-	-	-	-	39,200	-
6324	FORD F450 w/DUMP	2007	2027	35,583	20	-	-	-	-	-	-	-
6325	PAINT SPRAYER- WALK BEHIND	2006	2026	2,980	20	-	-	-	-	-	-	-
6451	FORD F250 TRUCK	2007	2027	40,000	20	-	-	-	-	-	-	-
7321	TORO AERATOR W/TINES	2007	2022	27,919	15	-	-	-	-	30,700	-	-
1730	Field Rake	2017	2032	40,000	15	-	-	-	-	-	-	-
NEW	Greens Mower	2017	2027	27,919	10	76,500	-	-	-	-	-	-
7322	TOP DRESSER	2007	2027	21,918	20	-	-	-	-	-	-	-
8321	EAGLE 6X10 TRAILER	2008	2043	2,500	35	-	-	-	-	-	-	-
	FACILITIES											
5332	GMC SAVANA VAN	2005	2025	40,000	20	-	-	-	-	-	-	-
4400	GMC SAVANA VAN	2004	2019	40,000	15	-	41,600	-	-	-	-	-
4326	SCISSOR LIFT (VERN BURTON)	2004	2034	10,245	30	-	-	-	-	-	-	-
<b>TOTAL</b>						<b>\$ 247,500</b>	<b>\$ 91,000</b>	<b>\$ -</b>	<b>\$ 79,900</b>	<b>\$ 30,700</b>	<b>\$ 92,400</b>	<b>\$ 41,400</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	304,372	120,572	93,272	156,972	140,772	173,772	145,072
Contributions	63,700	63,700	63,700	63,700	63,700	63,700	63,700
Interest & sale of vehicles	-	-	-	-	-	-	-
Reserves Used	(247,500)	(91,000)	-	(79,900)	(30,700)	(92,400)	(41,400)
<b>Projected year end Cash</b>	<b>120,572</b>	<b>93,272</b>	<b>156,972</b>	<b>140,772</b>	<b>173,772</b>	<b>145,072</b>	<b>167,372</b>

Maintenance items can vary substantially based on the cost of fuel and or parts.



# STREETS VEHICLE REPLACEMENT SCHEDULE DIVISION - 7230

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Streets operations vehicles.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
Utilities		4520	-	-	-	-	-	-	-
General Fund		4520	154,000	154,000	154,000	154,000	154,000	154,000	154,000
Sale of Vehicles		4520	-	-	-	-	-	-	-
Internal Service Funds		4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 154,000</b>	<b>\$ 154,000</b>	<b>\$ 154,000</b>	<b>\$ 154,000</b>	<b>\$ 154,000</b>	<b>\$ 154,000</b>	<b>\$ 154,000</b>

EXPENDITURES								
Other Equipment			-	-	-	-	-	-
Replacement of Vehicles			9,000	481,000	249,100	253,800	27,500	190,600
<b>TOTAL</b>			<b>\$ 9,000</b>	<b>\$ 481,000</b>	<b>\$ 249,100</b>	<b>\$ 253,800</b>	<b>\$ 27,500</b>	<b>\$ 190,600</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
Fuel		3210	42,800	42,800	42,800	42,800	42,800	42,800	42,800
Parts & Repair		4521	231,900	231,900	231,900	231,900	231,900	231,900	231,900
Equipment Rental		4533	19,700	19,700	19,700	19,700	19,700	19,700	19,700
<b>TOTAL MAINTENANCE</b>		<b>12264</b>	<b>294,400</b>	<b>294,400</b>	<b>294,400</b>	<b>294,400</b>	<b>294,400</b>	<b>294,400</b>	<b>294,400</b>

#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	2018	2019	2020	2021	2022	2023	2024
940	MELT POT	2009	2029	12,000	20	-	-	-	-	-	-	-
1040	HYDRO SEEDER	2010	2025	13,500	15	-	-	-	-	-	-	-
1041	WATER TANK TRAILER	2000	2030	12,061	30	-	-	-	-	-	-	-
1042	TRAFFIC BOARD	2010	2030	16,065	20	-	-	-	-	-	-	-
1240	FREIGHTLINER AIR SWEEPER	2012	2032	224,834	20	-	-	-	-	-	-	-
1242	EXCAVATOR TRAILER	2012	2032	4,350	20	-	-	-	-	-	-	-
1243	EXCAVATOR	2012	2032	110,431	20	-	-	-	-	-	-	-
1340	FORD F450 FLATBED	2013	2028	43,317	15	-	-	-	-	-	-	-
1341	CRACK SEALER	2013	2038	60,867	25	-	-	-	-	-	-	-
1440	JOHN DEERE GRADER 14'	2008	2033	156,519	25	-	-	-	-	-	-	-
1441	BITIMOUS APPLICATOR	2015	2035	21,572	20	-	-	-	-	-	-	-
1501	STREET FLUSHER	1992	2017	73,111	25	-	-	-	Surplus	-	-	-
1506	NEW HOLLAND BOOM TRUCK	2001	2021	75,000	20	-	-	-	81,000	-	-	-
1540	ELGIN SWEEPER	2015	2035	110,183	20	-	-	-	-	-	-	-
1568	FREIGHTLINER W/PATCH BOX	2001	2021	160,000	20	-	-	-	172,800	-	-	-
1576	LINCOLN TILTBED TRAILER	1994	2024	20,198	30	-	-	-	-	-	-	22,600
1579	FORD 6-8 YD DUMP	1990	2019	150,000	29	-	156,000	-	-	-	-	-
1597	BOMAG ASPHALT ROLLER	1993	2022	25,000	29	-	-	-	-	27,500	-	-
1598	INGERSOL RAND COMPRESSOR	1993	2020	20,000	27	-	-	21,200	-	-	-	-
1599	TRAILER	1985	2025	4,000	40	-	-	-	-	-	-	-
1603	FREIGHTLINER DUMP TRUCK	2001	2020	150,000	19	-	-	159,000	-	-	-	-
1790	INTERNATIONAL 2YD DUMP	2004	2024	150,000	20	-	-	-	-	-	-	168,000
4701	GMC SIERRA	2004	2020	65,000	16	-	-	68,900	-	-	-	-
5505	ASPHALT HEATER	2005	2015	-	10	Surplus	-	-	-	-	-	-
6501	GMC CANYON PU 4X4	2006	2026	38,000	20	-	-	-	-	-	-	-
6502	FORD F550 DUMP TRUCK	2006	2026	75,000	20	-	-	-	-	-	-	-
6503	MESSAGE BOARD (7505)	2006	2031	9,310	25	-	-	-	-	-	-	-
6504	PUCKET ASPHALT PAVER	2006	2026	37,867	20	-	-	-	-	-	-	-
7501	MONROE SAND SPREADER	2007	2017	14,978	10	-	-	-	-	-	-	-
7503	FORD F450 BOX TRUCK	2007	2027	75,000	20	-	-	-	-	-	-	-
7505	FORD FLATBED	2008	2028	75,000	20	-	-	-	-	-	-	-
8501	PF DECKOVER TILT TRAILER	2008	2033	7,218	25	-	-	-	-	-	-	-
NEW	HERB SPRAY ATTACH.	2018	2028	9,000	10	9,000	-	-	-	-	-	-
NEW	10 YD ROLLOFF DUMP TRUCK	2018	2033	-	15	-	325,000	-	-	-	-	-
NEW	TRAFFIC CRASH ATTENUATOR	2016	2036	30,000	20	-	-	-	-	-	-	-
						<b>\$ 9,000</b>	<b>\$ 481,000</b>	<b>\$ 249,100</b>	<b>\$ 253,800</b>	<b>\$ 27,500</b>	<b>\$ -</b>	<b>\$ 190,600</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
Cash Balance	868,002	1,013,002	686,002	590,902	491,102	617,602	771,602
Contributions	154,000	154,000	154,000	154,000	154,000	154,000	154,000
Interest & Sales							
Reserves Used	(9,000)	(481,000)	(249,100)	(253,800)	(27,500)	-	(190,600)
<b>Projected year end Cash</b>	<b>1,013,002</b>	<b>686,002</b>	<b>590,902</b>	<b>491,102</b>	<b>617,602</b>	<b>771,602</b>	<b>735,002</b>

Surplus boom truck #1360 in Water and Street flusher in 2017 to purchase a 10 yd dump for use by all divisions.



# 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 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
Utilities		4520	125,000	125,000	125,000	125,000	125,000	125,000	125,000
General Fund		4520	-	-	-	-	-	-	-
Sale of Vehicles		4520	-	-	-	-	-	-	-
Internal Service Funds		4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>

EXPENDITURES									
Other Equipment			-	-	-	-	-	-	-
Replacement of Vehicles			283,200	312,000	-	43,200	63,300	75,600	56,000
<b>TOTAL</b>			<b>\$ 283,200</b>	<b>\$ 312,000</b>	<b>\$ -</b>	<b>\$ 43,200</b>	<b>\$ 63,300</b>	<b>\$ 75,600</b>	<b>\$ 56,000</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
Fuel		3210	32,600	32,600	32,600	32,600	32,600	32,600	32,600
Parts & Repair		4521	151,900	151,900	151,900	151,900	151,900	151,900	151,900
Equipment Rental		4533	7,900	7,900	7,900	7,900	7,900	7,900	7,900
<b>TOTAL MAINTENANCE</b>			<b>192,400</b>	<b>192,400</b>	<b>192,400</b>	<b>192,400</b>	<b>192,400</b>	<b>192,400</b>	<b>192,400</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024	
138	DODGE RAM TRUCK	2001	2018	66,800	17	68,700	-	-	-	-	-	-	
139	DODGE RAM TRUCK	2001	2017	-	16	-	-	-	-	-	-	-	
140	SINGLE REEL TRAILER	2000	2025	25,000	25	-	-	-	-	-	-	-	
143	FREIGHTLINER FLATBED TRUCK W/BOOM	1993	2018	175,000	25	197,500	-	-	-	-	-	-	
148	CATERPILLAR FORKLIFT	1987	2022	30,000	35	-	-	-	-	33,000	-	-	
155	FREIGHTLINER/VERSALIFT MANLIFT TRUC	1999	2019	265,000	20	-	275,600	-	-	-	-	-	
158	BRUSH CHIPPER	2000	2025	29,741	25	-	-	-	-	-	-	-	
159	BUTLER 3-REEL WIRE TRAILER	1989	2029	17,501	40	-	-	-	-	-	-	-	
160	TENSIONER	1991	2026	25,000	35	-	-	-	-	-	-	-	
950	FORD 1 TON W/UTILITY BOX	2009	2027	65,000	18	-	-	-	-	18	-	-	
951	REEL TRAILER	2009	2034	8,500	25	-	-	-	-	-	-	-	
1150	DIGGER DERRICK	2011	2036	275,000	25	-	-	-	-	-	-	-	
1151	MANLIFT	2011	2036	265,000	25	-	-	-	-	-	-	-	
1350	FORD F550 4X4 W/DUMP BED	2013	2038	80,000	25	-	-	-	-	-	-	-	
1351	CHEV VAN 3/4 TON	2014	2029	45,000	15	-	-	-	-	-	-	-	
1352	FORD TRUCK W/BUCKET LIFT	2014	2034	150,000	20	-	-	-	-	-	-	-	
1450	GMC FLATBED 1 TON 4X4	2015	2035	51,126	20	-	-	-	-	-	-	-	
1550	FREIGHTLINER w/BUCKET LIFT	2016	2041	265,300	25	-	-	-	-	-	-	-	
1650	Ford F450 flatbed	2017	2037	66,295	20	-	-	-	-	-	-	-	
1650a	Hyd Winch with Capstan	2018	2038	17,000	20	17,000	-	-	-	-	-	-	
4900	GMC SAVANA	2004	2023	40,000	19	-	-	-	-	-	44,800	-	
4901	FORKLIFT	2004	2024	50,000	20	-	-	-	-	-	-	56,000	
4902	POLELIFT TRAILER	2004	2029	7,000	25	-	-	-	-	-	-	-	
5427	SIDEWALK SWEEPER	2004	2029	-	25	-	-	-	-	-	-	-	
5903	BOBCAT EXCAVATOR	2005	2025	50,000	20	-	-	-	-	-	-	-	
5904	SMALL TRAILER	2005	2030	5,000	25	-	-	-	-	-	-	-	
6901	GMC SAVANA VAN	2006	2021	40,000	15	-	-	-	43,200	-	-	-	
6902	CHEVY SILVERADO PU	2006	2019	35,000	13	-	36,400	-	-	-	-	-	
7901	STUMP GRINDER	2007	2022	-	15	-	-	-	-	-	-	-	
<b>Electric Engineers</b>													
133	CHEVY BLAZER	2004	2022	27,500	18	-	-	-	-	30,300	-	-	
135	CHEVY BLAZER	2004	2023	27,500	19	-	-	-	-	-	30,800	-	
						<b>690</b>	<b>\$ 283,200</b>	<b>\$ 312,000</b>	<b>\$ -</b>	<b>\$ 43,200</b>	<b>\$ 63,300</b>	<b>\$ 75,600</b>	<b>\$ 56,000</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	416,699	258,499	71,499	196,499	278,299	339,999	389,399
Contributions	125,000	125,000	125,000	125,000	125,000	125,000	125,000
Interest & Vehicle Sales							
Reserves Used	(283,200)	(312,000)	-	(43,200)	(63,300)	(75,600)	(56,000)
Projected year end Cash	258,499	71,499	196,499	278,299	339,999	389,399	458,399



# WATER VEHICLE REPLACEMENT SCHEDULE

## DIVISION - 7380

### ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Water Operations.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities	4520	60,000	60,000	60,000	60,000	60,000	60,000	60,000
	General Fund	4520	-	-	-	-	-	-	-
	Sale of Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>

EXPENDITURES									
	Other Equipment		-	-	-	-	-	-	-
	Replacement of Vehicles		-	42,000	159,000	38,900	-	140,000	40,300
<b>TOTAL</b>			<b>\$ -</b>	<b>\$ 42,000</b>	<b>\$ 159,000</b>	<b>\$ 38,900</b>	<b>\$ -</b>	<b>\$ 140,000</b>	<b>\$ 40,300</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	15,300	15,300	15,300	15,300	15,300	15,300	15,300
	Parts & Repair	4521	61,200	61,200	61,200	61,200	61,200	61,200	61,200
	Equipment Rental	4533	3,700	3,700	3,700	3,700	3,700	3,700	3,700
<b>TOTAL MAINTENANCE</b>			<b>80,200</b>	<b>80,200</b>	<b>80,200</b>	<b>80,200</b>	<b>80,200</b>	<b>80,200</b>	<b>80,200</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
360	GENERATOR TRAILER MOUNTED	2003	2033	50,000	30	-	-	-	-	-	-
1060	GENIE PERSONAL LIFT (WTP)	2010	2040	12,000	30	-	-	-	-	-	-
1260	FORD W/UTILITY BOX	2012	2029	65,000	17	-	-	-	-	-	-
1360	STL TRUCK FLATBED W/CRANE	2005	2030	-	25	-	-	-	-	-	-
1460	GMC .5 TON 4x4	2014	2026	28,000	12	-	-	-	-	-	-
1756	JOHN DEERE BACKHOE LOADER	1991	2023	125,000	32	-	-	-	-	140,000	-
1761	APTECH GENERATOR	1997	2027	65,000	30	-	-	-	-	-	-
1776	AIR COMPRESSOR	1985	2019	25,000	34	-	26,000	-	-	-	-
1782	GMC 5-8 CY DUMP TRUCK	1993	2020	150,000	27	-	159,000	-	-	-	-
4329	YAMAHA	2004	2034	5,500	30	-	-	-	-	-	-
5704	FORD F550 DUMP	2006	2026	80,000	20	-	-	-	-	-	-
5705	FORD F550	2006	2026	65,000	20	-	-	-	-	-	-
6322	GMC CANYON TRUCK 4X2	2006	2026	36,000	20	-	-	-	-	-	-
6701	GMC CANYON TRUCK 4X2	2006	2024	36,000	18	-	-	-	-	-	40,300
6702	GMC CANYON TRUCK 4X2	2006	2021	36,000	15	-	-	38,900	-	-	-
NEW	HYDRAULIC WINCH (ON #1260)	2018	2034	16,000	16	-	16,000	-	-	-	-
1241	50% VACTOR TRUCK	2012	2027	260,000	15	-	-	-	-	-	-
7452	GMC TRUCK	2007	7472	27,000	20	-	-	-	-	-	-
					<b>\$ -</b>	<b>\$ 42,000</b>	<b>\$ 159,000</b>	<b>\$ 38,900</b>	<b>\$ -</b>	<b>\$ 140,000</b>	<b>\$ 40,300</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	413,495	473,495	491,495	392,495	413,595	473,595	393,595
Contributions	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Interest & Vehicle Sales	-	-	-	-	-	-	-
Reserves Used	-	(42,000)	(159,000)	(38,900)	-	(140,000)	(40,300)
<b>Projected year end Cash</b>	<b>473,495</b>	<b>491,495</b>	<b>392,495</b>	<b>413,595</b>	<b>473,595</b>	<b>393,595</b>	<b>413,295</b>

\*Surplus 1360 for 10 yd to purchase 10 yd dump in Streets.



# WASTEWATER VEHICLE REPLACEMENT SCHEDULE DIVISION - 7480

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Wastewater division.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
Utilities		4520	57,000	57,000	57,000	57,000	57,000	57,000	57,000
General Fund		4520	-	-	-	-	-	-	-
Sale of Vehicles		4520	-	-	-	-	-	-	-
Internal Service Funds		4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 57,000</b>	<b>\$ 57,000</b>	<b>\$ 57,000</b>	<b>\$ 57,000</b>	<b>\$ 57,000</b>	<b>\$ 57,000</b>	<b>\$ 57,000</b>

EXPENDITURES									
Other Equipment			-	-	-	-	-	-	-
Replacement of Vehicles			-	62,400	-	-	-	31,400	-
<b>TOTAL</b>			<b>\$ -</b>	<b>\$ 62,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,400</b>	<b>\$ -</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
Fuel		3210	12,800	12,800	12,800	12,800	12,800	12,800	12,800
Parts & Repair		4521	53,400	53,400	53,400	53,400	53,400	53,400	53,400
Equipment Rental		4533	2,000	2,000	2,000	2,000	2,000	2,000	2,000
<b>TOTAL MAINTENANCE</b>			<b>68,200</b>	<b>68,200</b>	<b>68,200</b>	<b>68,200</b>	<b>68,200</b>	<b>68,200</b>	<b>68,200</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
1077	GORMAN PUMP	2003	2028	20,000	25	-	-	-	-	-	-	-
1370	TAYLOR DUNN CART (WWTP)	2013	2038	13,000	25	-	-	-	-	-	-	-
1571	PETERBILT ROLLOFF TRUCK		20	255,000	20	-	-	-	-	-	-	-
1600	CUMMINS 60KW GENERATOR	2002	2027	50,000	25	-	-	-	-	-	-	-
1616	FORD F350	2002	2027	65,000	25	-	-	-	-	-	-	-
1770	VACTOR TRUCK	2017	2037	498,869	20	-	-	-	-	-	-	-
1652	DODGE 3500	2001	2019	60,000	18	-	62,400	-	-	-	-	-
4600	GMC 4X4 SIERRA 1500	2004	2023	28,000	19	-	-	-	-	-	31,400	-
5601	TV VAN W/ SPECIAL EQUIP	2005	2030	40,000	25	-	-	-	-	-	-	-
5601A	COMPUTER FOR TV VAN	2016	2026	11,100	10	-	-	-	-	-	-	-
5703	GMC TRUCK PU 1/2T 4x4	2005	2025	31,500	20	-	-	-	-	-	-	-
6601	GODWIN HS100GP PUMP	2006	2036	28,000	30	-	-	-	-	-	-	-
7601	GMC CANYON CREW CAB	2007	2027	37,000	20	-	-	-	-	-	-	-
						<b>\$ -</b>	<b>\$ 62,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,400</b>	<b>\$ -</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	52,046	109,046	103,646	160,646	217,646	274,646	300,246
Contributions	57,000	57,000	57,000	57,000	57,000	57,000	57,000
Interest & Vehicle Sales							
Reserves Used	-	(62,400)	-	-	-	(31,400)	-
Projected year end Cash	109,046	103,646	160,646	217,646	274,646	300,246	357,246



# 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 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
Utilities	4520	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
General Fund	4520	-	-	-	-	-	-	-	-
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		353,900	45,800	394,300	-	425,700	-	388,600	
<b>TOTAL</b>		<b>\$ 353,900</b>	<b>\$ 45,800</b>	<b>\$ 394,300</b>	<b>\$ -</b>	<b>\$ 425,700</b>	<b>\$ -</b>	<b>\$ 388,600</b>	

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
Fuel	3210	54,700	54,700	54,700	54,700	54,700	54,700	54,700	54,700
Parts & Repair	4521	223,300	223,300	223,300	223,300	223,300	223,300	223,300	223,300
Equipment Rental	4533	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600
<b>TOTAL MAINTENANCE</b>			<b>281,600</b>	<b>281,600</b>	<b>281,600</b>	<b>281,600</b>	<b>281,600</b>	<b>281,600</b>	<b>281,600</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	2018	2019	2020	2021	2022	2023	2024
1480	CAT LOADER	2006	2026	87,398	20	-	-	-	-	-	-	-
1896	KUBOTA	2000	2025	20,898	25	-	-	-	-	-	-	-
5802	TOYOTA PRIUS	2005	2020	25,000	15	-	-	26,500	-	-	-	-
1080	GARBAGE TRUCK	2010	2020	347,000	10	-	-	367,800	-	-	-	-
1081	GARBAGE TRUCK	2010	2022	347,000	12	-	-	-	-	381,700	-	-
1580	GARBAGE TRUCK	2015	2024	347,000	9	-	-	-	-	-	-	388,600
1945	FORD RANGER PICKUP	2002	2022	40,000	20	-	-	-	-	44,000	-	-
4501	GMC SIERRA 2500 w/Liftgate	2004	2019	44,000	15	-	45,800	-	-	-	-	-
5801	PETERBILT GARBAGE	2005	2018	347,000	13	353,900	-	-	-	-	-	-
5800	PETERBILT GARBAGE	2005				-						
1680	PETERBILT GARBAGE	2016	2026	331,864	10	-	-	-	-	-	-	-
						<b>\$ 353,900</b>	<b>\$ 45,800</b>	<b>\$ 394,300</b>	<b>\$ -</b>	<b>\$ 425,700</b>	<b>\$ -</b>	<b>\$ 388,600</b>

CASH FLOW	2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	615,222	411,322	515,522	271,222	421,222	145,522	295,522
Contributions	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Interest & Vehicle Sales							
Reserves Used	(353,900)	(45,800)	(394,300)	-	(425,700)	-	(388,600)
Projected year end Cash	411,322	515,522	271,222	421,222	145,522	295,522	56,922



# STORMWATER VEHICLE REPLACEMENT SCHEDULE DIVISION - 7412

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Stormwater Operations.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities	4520	51,000	51,000	51,000	51,000	51,000	51,000	51,000
	General Fund	4520	-	-	-	-	-	-	-
	Sale/purchase of internal Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 51,000</b>	<b>\$ 51,000</b>	<b>\$ 51,000</b>	<b>\$ 51,000</b>	<b>\$ 51,000</b>	<b>\$ 51,000</b>	<b>\$ 51,000</b>

EXPENDITURES									
	Other Equipment		-	-	-	-	-	-	-
	Replacement of Vehicles		20,000	-	-	-	-	-	-
<b>TOTAL</b>			<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	7,500	7,500	7,500	7,500	7,500	7,500	7,500
	Parts & Repair	4521	12,900	12,900	12,900	12,900	12,900	12,900	12,900
	Equipment Rental	4533	4,900	4,900	4,900	4,900	4,900	4,900	4,900
<b>TOTAL MAINTENANCE</b>			<b>25,300</b>	<b>25,300</b>	<b>25,300</b>	<b>25,300</b>	<b>25,300</b>	<b>25,300</b>	<b>25,300</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
5504	FORD F450 - BOX	2006	2026	65,000	20	-	-	-	-	-	-	-
1241	VACTOR TRUCK 50%	2012	2027	260,000	15	-	-	-	-	-	-	-
	SUCTION HOOD (VACTOR)		2020	20,000	15	20,000	-	-	-	-	-	-
						<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	84,732	115,732	166,732	217,732	268,732	319,732	370,732
Contributions	51,000	51,000	51,000	51,000	51,000	51,000	51,000
Interest & Vehicle Sales							
Reserves Used	(20,000)	-	-	-	-	-	-
Projected year end Cash	115,732	166,732	217,732	268,732	319,732	370,732	421,732



# CONSERVATION VEHICLE REPLACEMENT SCHEDULE

## DIVISION - 7121

### ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Conservation Fund.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
			2019	2020	2021	2022	2023	2024
Utilities	4520	2,800	2,800	2,800	2,800	2,800	2,800	2,800
General Fund	4520	-	-	-	-	-	-	-
Sale of Vehicles	4520	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SC</b>	<b>18080</b>	<b>\$ 2,800</b>	<b>\$ 2,800</b>	<b>\$ 2,800</b>	<b>\$ 2,800</b>	<b>\$ 2,800</b>	<b>\$ 2,800</b>	<b>\$ 2,800</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	-	-	-	-
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
Fuel	3210	500	500	500	500	500	500	500
Parts & Repair	4521	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Equipment Rental	4533	100	100	100	100	100	100	100
		2,200	2,200	2,200	2,200	2,200	2,200	2,200

Maintenance items can vary substantially based on the cost of fuel and/or parts.

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
GMC SAVANA	2006	2026	35,000	20	-	-	-	-	-	-	-
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	15,237	18,037	20,837	23,637	26,437	29,237	32,037
Contributions	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Reserves Used	-	-	-	-	-	-	-
<b>Projected year end Cash</b>	<b>18,037</b>	<b>20,837</b>	<b>23,637</b>	<b>26,437</b>	<b>29,237</b>	<b>32,037</b>	<b>34,837</b>



# EQUIPMENT SERVICES VEHICLE REPLACEMENT SCHEDULE DIVISION - 7630

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for Equipment Services.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities Rental of vehicles	4520	59,300	59,300	59,300	59,300	59,300	59,300	59,300
	General Fund Rental of vehicles	4520	-	-	-	-	-	-	-
	Sale of Vehicles	395-xxxx	-	-	-	-	-	-	-
	Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 59,300</b>	<b>\$ 59,300</b>	<b>\$ 59,300</b>	<b>\$ 59,300</b>	<b>\$ 59,300</b>	<b>\$ 59,300</b>	<b>\$ 59,300</b>

EXPENDITURES									
	Other Equipment		-	-	-	-	-	-	-
	Replacement of Vehicles		78,800	-	-	68,000	275,000	-	37,900
<b>TOTAL</b>			<b>\$ 78,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 68,000</b>	<b>\$ 275,000</b>	<b>\$ -</b>	<b>\$ 37,900</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	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	100	-	-	-	-	-	-
<b>TOTAL MAINTENANCE</b>			<b>46,300</b>	<b>46,200</b>	<b>46,200</b>	<b>46,200</b>	<b>46,200</b>	<b>46,200</b>	<b>46,200</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

REPLACEMENT DETAIL	Vehicle Year	REPLACE	PURCHASE PRICE	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
NEW Corp Fuel Pump and Fuel Line	2018	2038	25,000	20	25,000						
15 GMC 1/2T TRUCK **	**Do Not Replace				-	-	-	-	-	-	-
1246 DODGE 1 TON w/SER BODY	1999	2022	75,000	23	-	-	-	-	82,500	-	-
1247 CAT FORK LIFT V50D	1991	2021	28,000	30	-	-	-	30,200	-	-	-
1248 LINCOLN/WELDER	1994	2024	6,894	30	15,000	-	-	-	-	-	7,700
1490 HYUNDAI SEDAN	2014	2024	27,000	10	-	-	-	-	-	-	30,200
1569 CATERPILLAR WHL LOADER	1988	2022	175,000	34	-	-	-	-	192,500	-	-
1570 CASE LOADER BACKHOE	1995	2025	85,000	30	-	-	-	-	-	-	-
1581 10 YD DUMP TRUCK	1995	2025	150,000	30	-	-	-	-	-	-	-
1762 WELLS SMALL TRAILER	1995	2025	5,500	30	-	-	-	-	-	-	-
5425 PONTIAC VIBE	2004	2018	38,000	14	38,800	-	-	-	-	-	-
5602 DODGE CARAVAN	2006	2021	35,000	15	-	-	-	37,800	-	-	-
7421 SELMA TRAILER	2007	2032	10,000	25	-	-	-	-	-	-	-
NEW VENTILATION SYSTEM	2017	2037	30,000	20	-	-	-	-	-	-	-
1690 GENERATOR	2017	2042	50,000	25	-	-	-	-	-	-	-
					<b>\$ 78,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 68,000</b>	<b>\$ 275,000</b>	<b>\$ -</b>	<b>\$ 37,900</b>

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	15,237	18,037	20,837	23,637	26,437	29,237	32,037
Contributions	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Reserves Used	-	-	-	-	-	-	-
Projected year end Cash	18,037	20,837	23,637	26,437	29,237	32,037	34,837



# IT VEHICLE REPLACEMENT SCHEDULE

## DIVISION - 2081

### ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for Information Technologies.

FUNDING SOURCES		EXPENSE OBJECT	BUDGET 2018	CAPITAL FACILITIES PLAN					
				2019	2020	2021	2022	2023	2024
	Utilities	4520	-	-	-	-	-	-	-
	General Fund	4520	-	-	-	-	-	-	-
	Sale of Vehicles	4520	-	-	-	-	-	-	-
	Internal Service Funds	4520	2,000	2,000	2,000	2,000	2,000	2,000	2,000
<b>TOTAL FUNDING SOURCES</b>			<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>

EXPENDITURES									
	Other Equipment		-	-	-	-	-	-	-
	Replacement of Vehicles		-	-	-	-	-	-	39,200
<b>TOTAL</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 39,200</b>

MAINTENANCE		EXPENSE OBJECT	2018	2019	2020	2021	2022	2023	2024
	Fuel	3210	200	200	200	200	200	200	200
	Parts & Repair	4521	1,100	1,100	1,100	1,100	1,100	1,100	1,100
	Equipment Rental	4533	100	100	100	100	100	100	100
<b>TOTAL MAINTENANCE</b>			<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>

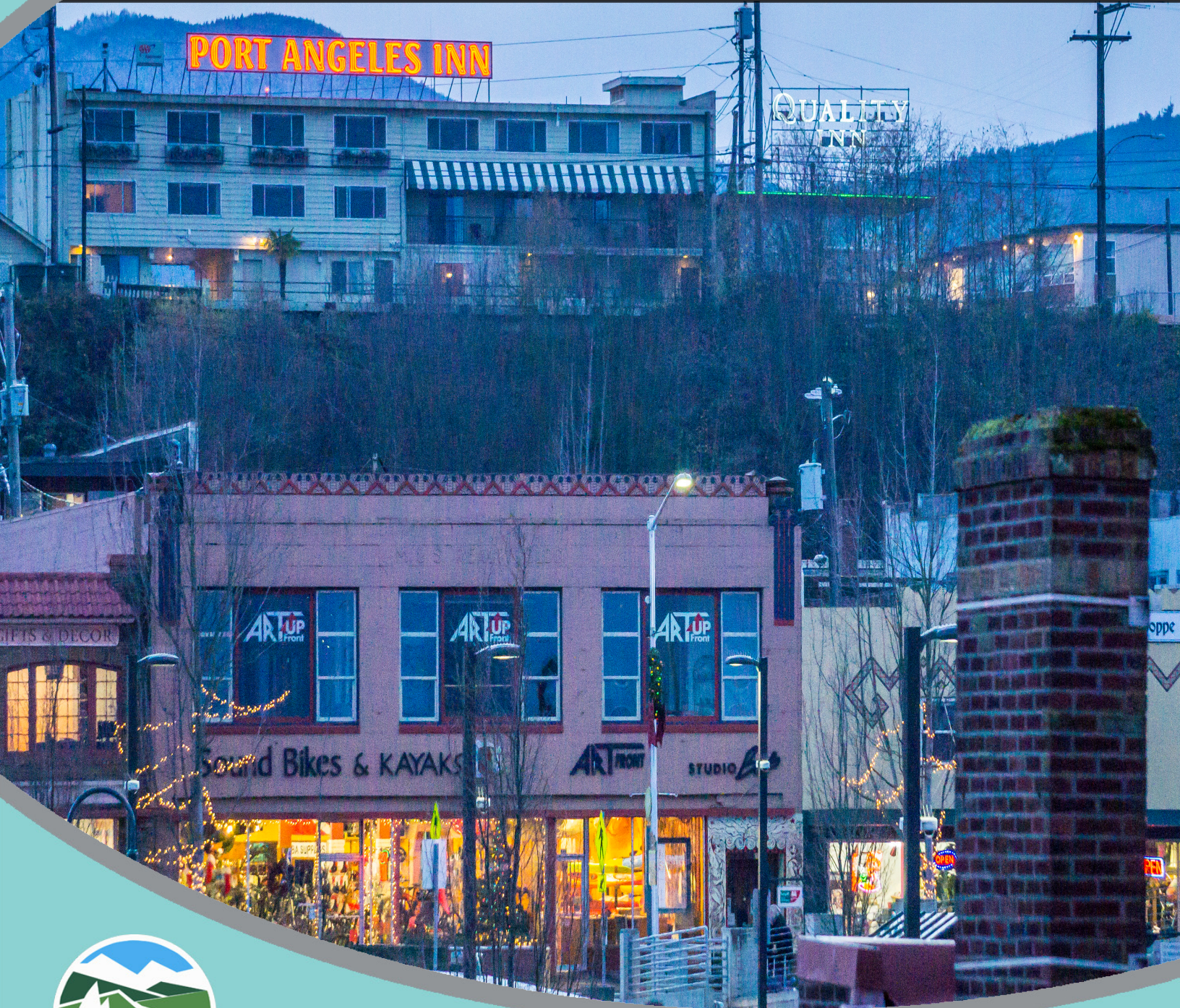
Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	Budget 2018	2019	2020	2021	2022	2023	2024
8101	HYUNDAI VAN	1999	2024	35,000	25	-	-	-	-	-	-	39,200
						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,200

CASH FLOW	Budget 2018	2019	2020	2021	2022	2023	2024
BEGINNING CASH	21,784	23,784	25,784	27,784	29,784	31,784	33,784
Contributions	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Interest & Vehicle Sales							
Reserves Used	-	-	-	-	-	-	(39,200)
Projected year end Cash	23,784	25,784	27,784	29,784	31,784	33,784	(3,416)



# INFORMATION TECHNOLOGY



# INFORMATION TECHNOLOGY PROJECTS

CFP YEAR: 2019 - 2024  
 MANAGER: DAN MCKEEN  
 CONTACT: DMCKEEN@CITYOFPA.US  
 PHONE: 360-417-4500

## 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	Budget	CAPITAL FACILITY PLAN					
	2018	2019	2020	2021	2022	2023	2024
Utilities Reserves	325,520	291,500	342,300	629,000	185,000	111,000	-
Grants	-	107,500	12,500	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	69,980	102,300	120,200	221,000	65,000	39,000	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 395,500</b>	<b>\$ 501,300</b>	<b>\$ 475,000</b>	<b>\$ 850,000</b>	<b>\$ 250,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>

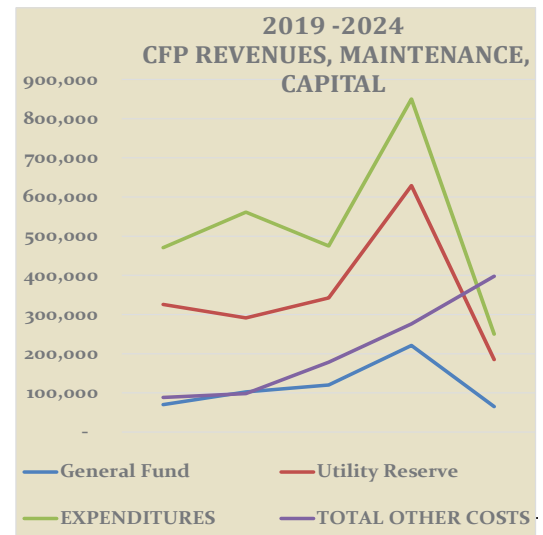
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	4,000	-	-	-	-	-
Construction	470,500	557,300	475,000	850,000	250,000	150,000	-
<b>TOTAL</b>	<b>\$ 470,500</b>	<b>\$ 561,300</b>	<b>\$ 475,000</b>	<b>\$ 850,000</b>	<b>\$ 250,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>

OTHER OPERTING COSTS	2018	2019	2020	2021	2022	2023	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	22,156	92,227	172,413	240,270	361,698	411,698	433,127
Other	66,200	6,000	6,000	36,000	36,000	36,000	36,000
<b>TOTAL OTHER COSTS</b>	<b>88,356</b>	<b>98,227</b>	<b>178,413</b>	<b>276,270</b>	<b>397,698</b>	<b>447,698</b>	<b>469,127</b>

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

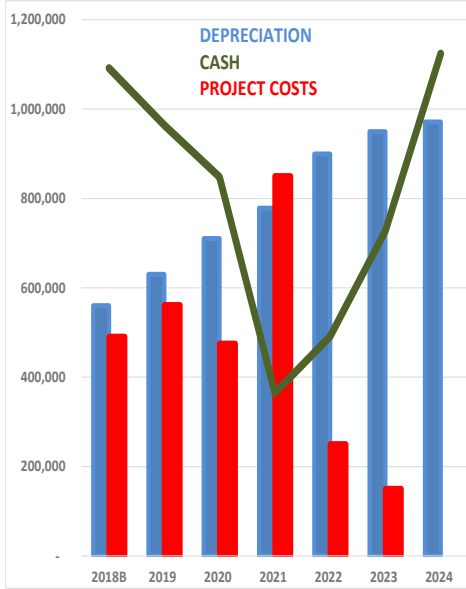
PROJECTS COMPLETED IN 2017	CAPITALIZED	Budget
Voice and Data Equipment	295,493	265,000
Electric SCADA & Server	141,499	136,900
WIFI	12,883	12,500
iSeries Redundancy	227,173	250,000
2017 Server Replacements	54,500	150,000
Phone system capacity upgrade	271,958	275,000
<b>TOTAL COMPLETED PROJECTS</b>	<b>1,003,506</b>	<b>1,089,400</b>

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



# IT PROJECT LIST & CASH FLOW

PROJECT EXPENDITURE LISTING BY YEAR INFORMATION SERVICES			PROJECT TOTAL	Budget 2018	CAPITAL FACILITIES PLAN					
RANK					2019	2020	2021	2022	2023	2024
IT0418	Electric Building Connectivity	A	50,000	50,000	-	-	-	-	-	-
IT0214	Records Management System	A	290,589	135,500	-	-	-	-	-	-
IT0317	Phone System 911 Interface	A	45,000	45,000	-	-	-	-	-	-
IT0918	Internal Network Segmentation & VLAN Configuration	A	40,000	40,000	-	-	-	-	-	-
IT0118	Redundant 15KVA Power Module	A	20,000	20,000	-	-	-	-	-	-
IT0218	Click2Gov3 / Fusion	1	15,000	15,000	-	-	-	-	-	-
IT0217	SCADA Server Replacements	2	90,000	90,000	-	-	-	-	-	-
IT0816	Facility and Class Management Scheduling	3	23,800	17,500	6,300	-	-	-	-	-
IT0416	Cemetery Software	4	62,500	62,500	-	-	-	-	-	-
IT1216	SCADA Virtual Desktop Infrastructure	5	7,500	7,500	-	-	-	-	-	-
IT1016	Remote Access	6	7,500	7,500	-	-	-	-	-	-
IT1118	IT Audit	7	50,000	-	50,000	-	-	-	-	-
IT0716	ERP Road Map	8	62,500	-	62,500	-	-	-	-	-
IT0517	EOC Operational Support	9	175,000	-	150,000	25,000	-	-	-	-
IT0417	Fire EOC Data/Communication Center	10	65,000	-	65,000	-	-	-	-	-
IT0618	Server Replacements	11	387,500	-	87,500	-	150,000	-	150,000	-
IT1018	UPS Replacement- Disaster Recovery DataCenter	12	60,000	-	60,000	-	-	-	-	-
IT0318	Remote Host	13	80,000	-	80,000	-	-	-	-	-
IT0714	Data Backup Systems Replacement	14	450,000	-	-	450,000	-	-	-	-
IT0514	Data Storage Array Systems	15	700,000	-	-	-	700,000	-	-	-
IT0518	iSeries Backup system and servers	16	250,000	-	-	-	-	250,000	-	-
IT0117	Server Replacements	PL	450,000	-	-	-	-	-	-	-
IT0216	Business License System	PL	125,000	-	-	-	-	-	-	-
IT0617	SunGard Executime Scheduling Module	PL	75,000	-	-	-	-	-	-	-
IT1213	Enterprise Information System Upgrade or Replace	PL	3,200,000	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES PROJECTED</b>			<b>6,781,889</b>	<b>490,500</b>	<b>561,300</b>	<b>475,000</b>	<b>850,000</b>	<b>250,000</b>	<b>150,000</b>	<b>-</b>



CASH FLOW ANALYSIS		CAPITAL FACILITIES PLAN						
	2018B	2019	2020	2021	2022	2023	2024	
Beginning Cash Balance	1,242,782	1,091,482	964,182	848,182	364,682	491,182	727,682	
<b>Funding sources:</b>								
Utilities Reserves	266,300	255,000	265,000	275,000	275,000	275,000	275,000	
Grants	-	107,500	12,500	-	-	-	-	
Use of existing reserves in IT	28,100	-	-	-	-	-	-	
General Fund	38,600	65,000	75,000	85,000	95,000	105,000	115,000	
Interest/Donations	-	-	-	-	-	-	-	
Other Funds	6,200	6,500	6,500	6,500	6,500	6,500	6,500	
Project Costs	(490,500)	(561,300)	(475,000)	(850,000)	(250,000)	(150,000)	-	
	1,091,482	964,182	848,182	364,682	491,182	727,682	1,124,182	
<b>Comparison to prior spending</b>								
5 Year average from Utilities	456,389	448,939	444,259	438,644	412,646	403,898	394,889	
Decrease in Utility contribution	(190,089)	(193,939)	(179,259)	(163,644)	(137,646)	(128,898)	(119,889)	
5 yr average from General fund	139,712	138,934	134,721	129,666	127,607	127,186	126,836	
Decrease in GF contribution	(101,112)	(73,934)	(59,721)	(44,666)	(32,607)	(22,186)	(11,836)	
Depreciation amount	560,067	630,138	710,324	778,181	899,609	949,609	971,038	
Cash coverage to depreciation	1.95	1.53	1.19	0.47	0.55	0.77	1.16	

\*\$68,000 savings IT0114 not needed; \$20,000 savings (\$10,000 each IT0317 and IT0118)



PROJECT STATUS: PARKING LOT  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Replacement of physical servers for stand-alone applications or multi-server virtual clusters, based on a five to seven year life expectancy. In the parking lot at \$450,000.

**JUSTIFICATION:**

Creation of a replacement plan for all 150 servers currently being maintained in the IT inventory.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Ent. MS OS Support	-	-	-	-	-	-	-
Ent. MS Office Support	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
Software Licensing for Office/OS	-	-	-	-	-	-	-
<b>TOTAL MAINTENANCE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: COMPLETED  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Upgrade of current critical power infrastructure for primary data center. Upgrade consists of adding one 15kw power module to two primary UPS systems for emergency failover rollover capabilities.

**JUSTIFICATION:**

Addition allows for automatic failover power capabilities within the data center without impacting power consumption utilized by critical data systems. Failure would result in loss of access, HW/SW and/or data due to uncontrolled outage.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2021	2023	2024
Utilities Reserves	\$ 14,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	5,200	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	20,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	2,857	2,857	2,857	2,857	2,857	2,857
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>2,857</b>	<b>2,857</b>	<b>2,857</b>	<b>2,857</b>	<b>2,857</b>	<b>2,857</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JENNIFER VENEKLASEN

<i>Maintenance Cost Descriptions:</i>
Estimated life 8 years

**ABOUT THE PROJECT:**

Project involves a citywide evaluation of type and quantity of electronic and physical records and develop a plan to re-catalog and implement 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 citywide 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 be 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	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ 100,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	35,180	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 135,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design/Study	-	-	-	-	-	-	-
Construction	135,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 135,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	22,156	41,513	41,513	41,513	41,513	41,513	41,513
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>22,156</b>	<b>41,513</b>	<b>41,513</b>	<b>41,513</b>	<b>41,513</b>	<b>41,513</b>	<b>41,513</b>

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



PROJECT STATUS: PARKING LOT  
 LOCATION: CITY HALL  
 PROJECT MANAGER: NATHAN WEST

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years
Maintenance per year \$0

**ABOUT THE PROJECT:**

The FIS Occupation Licensing system is used as the basis for processing the City’s business license applications and renewals. This project will analyze the City License process and recommend a commercial off the shelf system, if one exist that better meets the City requirements. Enhancements include a web interface to provide customers with the online convenience, including electronic renewals. There is no cost sharing with utilities as the activity is 100% governmental. In the parking lot at \$125,000.

**JUSTIFICATION:**

Efficiency for customers and staff.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

Maintenance Cost Descriptions:
Estimated life 7 years
Maintenance per year \$6,000

**ABOUT THE PROJECT:**

Server hardware replacements and operating system upgrades for virtual host systems for each one of the three SCADA environments.

**JUSTIFICATION:**

Currently, PAWTP server is 12 years old, Electrical & WWTP are 6 years old, approaching/past their 6-7 year life cycle. Additionally, two of the three servers reside in open hostile environments exposed to chemicals, temperature, humidity changes, airborne particulates decreasing their lifecycle and reliability to monitor/report SCADA information, alerts and critical events. Replacement servers will be part of an emergency failover multi-host cluster redundancy. This will allow for greater system, software and data redundancy across multiple platforms and physical locations not currently available.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	90,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Maintenance	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	12,857	12,857	12,857	12,857	12,857	12,857
Other -explain	-	6,000	6,000	6,000	6,000	6,000	6,000
<b>Total Maintenance</b>	<b>-</b>	<b>18,857</b>	<b>18,857</b>	<b>18,857</b>	<b>18,857</b>	<b>18,857</b>	<b>18,857</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: LINDA KHERIATY

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Installation of Click2gov3 and Fusion to enable building permit filing online, balance searches for utilities and a multitude of other functionality to customers.

**JUSTIFICATION:**

Installation of Paymentus - which allows automated phone payments and payments online does not require validation, this will allow customers to see how much they owe, research the status of permits and other functions providing the customer the ability to look up account inquiries without having to interact with a person at City Hall. This also allows for the auto application of payments to utility and permit customers' accounts.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	7,500	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	15,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	2,143	2,143	2,143	2,143	2,143	2,143
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>2,143</b>	<b>2,143</b>	<b>2,143</b>	<b>2,143</b>	<b>2,143</b>	<b>2,143</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

Maintenance Cost Descriptions:
Estimated life 10 years
Maintenance per year \$0

**ABOUT THE PROJECT:**

Replacement of the hardware and software upgrade of the E911 PSALI PBX interface server that reports 911 calls location information to PenCom.

**JUSTIFICATION:**

The current system is currently 7 years old and pass its 6-7 year lifecycle. The PSALI server relays location information and phone numbers from the city PBX phone system to the local telephone provider and is then relayed to the 911 dispatch center. It is required by federal regulation that all private PBX systems must have this capability for information transfer. Replacement of the existing system is required and the city has experienced one complete failure within the last 12 months. New system will be a complete new hardware server, communication interface and software upgrade.

FUNDING SOURCES	Budget	CAPITAL FACILITY PLAN					
	2018	2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ 33,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	11,700	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	45,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	6,429	6,429	6,429	6,429	6,429	6,429
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>6,429</b>	<b>6,429</b>	<b>6,429</b>	<b>6,429</b>	<b>6,429</b>	<b>6,429</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Communication and site leasing for emergency planning and secondary data back up appliance for regional disaster and local area failure.

**JUSTIFICATION:**

Current DR backup system located less that 50 miles away from City Hall. WA state archives requires a location greater than 50 miles away, with minimal diaster risks to ensure data can be recovered for electronic records management compliance.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 59,200	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	20,800	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	3,000	-	-	-	-	-
Construction	-	77,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	11,429	11,429	11,429	11,429	11,429
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>11,429</b>	<b>11,429</b>	<b>11,429</b>	<b>11,429</b>	<b>11,429</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: CITY HALL  
 PROJECT MANAGER: ELIZABETH STRAIT

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 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.

**JUSTIFICATION:**

Efficiency for staff and customers.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	62,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 62,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	8,929	8,929	8,929	8,929	8,929	8,929
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>8,929</b>	<b>8,929</b>	<b>8,929</b>	<b>8,929</b>	<b>8,929</b>	<b>8,929</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years
Maintenance per year \$30,000

**ABOUT THE PROJECT:**

Upgrading and modifications to existing Fire data/communication center room for fire suppression/environmental controls.

**JUSTIFICATION:**

The current communication room located at the fire department has been expanded to allow for EOC communication equipment, emergency phone system communications and data servers localized operation within the building. With the planned addition of significant hardware/software assets, controlled heating/cooling and fire suppression capabilities are required. Additional emergency power and battery backup capabilities will need to be provided.

FUNDING SOURCES	Budget	CAPITAL FACILITY PLAN					
	2018	2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 24,100	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	32,500	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	8,400	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 65,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	65,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 65,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	9,286	9,286	9,286	9,286	9,286
Other - software fees	-	-	-	30,000	30,000	30,000	30,000
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>9,286</b>	<b>39,286</b>	<b>39,286</b>	<b>39,286</b>	<b>39,286</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: TBD  
 PROJECT MANAGER: ELIZABETH STRAIT

Maintenance Cost Descriptions:
Estimated life 10 years
Maintenance per year \$30,000

**ABOUT THE PROJECT:**

Move electric inventory to new location in the first quarter of 2018. This includes the cost of new fiber connections, computers and phone systems.

**JUSTIFICATION:**

The current location at the Port Industrial park needs the space for a new company.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Electric Utilities	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	50,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	7,143	7,143	7,143	7,143	7,143	7,143
Other -time tracking savings	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>7,143</b>	<b>7,143</b>	<b>7,143</b>	<b>7,143</b>	<b>7,143</b>	<b>7,143</b>

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



PROJECT STATUS: PARKING LOT  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
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 was 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 affected the said units such as load and I/O accesses. Due to current environmental issues, speed performance and hard drive failures, current recommendation for replacement plan is 6 years. Replacement will consist of the same redundancy capabilities and multi-layer fail-over requirements as well as faster drives and expansion to meet further growth.

FUNDING SOURCES	Budget	CAPITAL FACILITY PLAN					
	2018	2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ 518,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	182,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	700,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	100,000	100,000	100,000
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**

Upgrading, modifications and purchase of EOC operational equipment in support of said activities to include backup communications, secondary pathways.

**JUSTIFICATION:**

The current facility does not have adequate redundant telecommunication capabilities in support of an operational EOC if the city’s primary system fails. Additionally, there are no secondary pathways for network communications, internet access or with adequate speed for multi-users. Upgrade will consist of moving the emergency standby phone switch and equipment to the Fire Department as well as all communication assets. Upgrade of satellite phones and quantity as well as backup internet access. Upgrade and expansion of computing capabilities to directly support city operations in critical events to include servers/ laptops.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 55,500	\$ 9,300	\$ -	\$ -	\$ -	\$ -
Grants	-	75,000	12,500	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	19,500	3,200	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	150,000	25,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	21,429	25,000	25,000	25,000	25,000
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>21,429</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>

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



PROJECT STATUS: INACTIVE  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Replacement of physical servers for stand alone applications or multi-server virtual clusters, based on a five to seven year life expectancy.

**JUSTIFICATION:**

Creation of a scheduled replacement plan for SQL server replacements based on a 7 year cycle instead our current operation based on failure. Critical servers will be based on a 5 year replacement plan. Critical servers examples are FS<sub>1</sub>, PW<sub>1</sub>, and virtual cluster servers due to their utilization and performance needs. When CFP IT0314 & IT0414 are completed to create a secondary active-active server environment for capabilities, the cost per year for future replacement are doubled.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ 185,000		
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	65,000		
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	250,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	50,000	50,000
Other - software fees	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50,000</b>	<b>50,000</b>

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



PROJECT STATUS: PARKING LOT  
 LOCATION: CITY HALL  
 PROJECT MANAGER: LINDA KHERIATY

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**

Enhancement of current supported Executime payroll timekeeping software with a scheduling module, in the parking lot at \$30,000.

**JUSTIFICATION:**

The current Executime system works directly with the City’s SunGard Enterprise Software system. The enhancement will allow for Payroll/HR and supervisors to allow for employee scheduling dependent upon shifts to be incorporated directly. This will allow for employees to enter time accordingly based on their scheduled shifts. This function is not currently available for staff.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# SERVER REPLACEMENTS

IT0618

PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

Maintenance Cost Descriptions:
Estimated life 7 years
Maintenance per year \$6,000

## ABOUT THE PROJECT:

Replacement of physical servers for stand alone applications or multi-server virtual clusters, based on a five to seven year life expectancy. Server replacements are staggered so a few servers are replaced every two years that are 5-7 years old.

## JUSTIFICATION:

Creation of a scheduled replacement plan for SQL server replacements based on a 5-7 year cycle instead our current operation based on failure. Critical servers will be based on a 5 year replacement plan. Critical servers examples are FS1, PW1, and virtual cluster servers due to their utilization and performance needs.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 64,750	\$ -	\$ 111,000	\$ -	\$ 111,000	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	22,750	-	39,000	-	39,000	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 87,500</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	87,500	-	150,000	-	150,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 87,500</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	12,500	12,500	33,929	33,929	55,357
Other - software fees	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>12,500</b>	<b>12,500</b>	<b>33,929</b>	<b>33,929</b>	<b>55,357</b>

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



PROJECT STATUS: PRE-PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
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 backups approximately 150+ different systems and types on various schedules.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ 333,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	117,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	450,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	64,286	64,286	64,286	64,286
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>64,286</b>	<b>64,286</b>	<b>64,286</b>	<b>64,286</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: CITY MANAGER’S OFFICE

<i>Maintenance Cost Descriptions:</i>
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 the paperless options, electronic automation of workflow, identifying improvements of interfaces between modules, integration and wire transfers of data. Focus on the next four years and whether the system is currently meeting needs.

**JUSTIFICATION:**

Increased organizational efficiency and improved productivity.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 46,250	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	16,250	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 62,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	62,500	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 62,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	8,929	8,929	8,929	8,929	8,929
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>8,929</b>	<b>8,929</b>	<b>8,929</b>	<b>8,929</b>	<b>8,929</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**

Procure and implement an automated online scheduling system for use of City Facilities.

**JUSTIFICATION:**

Increased organizational efficiency and improved productivity.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 4,700	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	1,600	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 6,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	17,500	6,300	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 17,500</b>	<b>\$ 6,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	2,500	3,400	3,400	3,400	3,400	3,400
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>2,500</b>	<b>3,400</b>	<b>3,400</b>	<b>3,400</b>	<b>3,400</b>	<b>3,400</b>

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



# INTERNAL NETWORK SEGMENTATION & VLAN IT0918

PROJECT STATUS: ACTIVE  
 LOCATION: CITY HALL  
 PROJECT MANAGER: ELIZABETH STRAIT

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

## ABOUT THE PROJECT:

Design and configuration of internal VLAN (virtual local area network) assignments for departmental traffic to help improve network communication performance. Traffic will be also be both site internal and external pathways between locations.

## JUSTIFICATION:

Implementation of traffic prioritization and quality of service (QOS) for internal departments will allow us to separate network traffic based on applications and need. Additional data isolation and security features will also be made available with programmed separation. Additional VLAN segmentation to allow for Wave to provide a single VLAN interface and all other internal VLAN segmentation and traffic isolation is done internally allowing for communication cost savings.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2021	2023	2024
Utilities Reserves	\$ 29,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	10,400	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	20,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	5,714	5,714	5,714	5,714	5,714	5,714
Other - software fees	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>5,714</b>	<b>5,714</b>	<b>5,714</b>	<b>5,714</b>	<b>5,714</b>	<b>5,714</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: ELIZABETH STRAIT

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Remote access to the City network servers. This project includes development of a Remote Access/Mobility Policy to support departmental needs to access the City network, SCADA system, and provide the ability of City staff to access email, files, and other information from locations other than City Hall.

**JUSTIFICATION:**

Increased efficiency, faster response to requests for information, and ability to access data while in the field.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	7,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 7,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,071	1,071	1,071	1,071	1,071	1,071
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>

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



# UPS REPLACEMENT - DISASTER RECOVERY DATA CENTER

IT1018

PROJECT STATUS: PLANNING  
LOCATION: CORP YARD  
PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

## ABOUT THE PROJECT:

Replacement of current uninterrupted power supply/conditioner/battery backup for critical servers/systems residing at current disaster redundancy datacenter located at Corporation Yard.

## JUSTIFICATION:

Current residing UPS is over 10 years old and has exceeded its life cycle expectancy. Current system supports power needs and emergency power needs for critical redundancy systems for city resources. Unplanned failure of said equipment would be detrimental to both the systems it supports and the data they retain that may become unrecoverable.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	1,000	-	-	-	-	-
Construction	-	59,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	8,571	8,571	8,571	8,571	8,571
Other - software/license fees	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>8,571</b>	<b>8,571</b>	<b>8,571</b>	<b>8,571</b>	<b>8,571</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: CITY HALL  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Working with outside consultants, and Information Technology employees develop best practices documents for the City of Port Angeles' IT Team as part of the City's work plan

**JUSTIFICATION:**

The City has been operating under the same or similar processing and structure for over 20 years. This will allow the City to leverage expert knowledge to streamline programs and processes.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ 37,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	13,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	50,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	7,143	7,143	7,143	7,143	7,143
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>7,143</b>	<b>7,143</b>	<b>7,143</b>	<b>7,143</b>	<b>7,143</b>

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



PROJECT STATUS: PARKING LOT  
 LOCATION: CITY HALL  
 PROJECT MANAGER: ELIZABETH STRAIT

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**

Replace or upgrade the SunGard software system used for financial, community development and utility tracking and reporting. Parking Lot \$3,200,000.

**JUSTIFICATION:**

SunGard is the current financial enterprise software system utilized by City staff for tracking and reporting. 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. Our current vendor could discontinue maintenance, so to be proactive, we should research an enterprise wide system. This replacement system should be all encompassing, involving all departments, including integration into other software types and platforms.

FUNDING SOURCES	Budget	CAPITAL FACILITY PLAN					
	2018	2019	2020	2021	2021	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: CITY HALL  
 PROJECT MANAGER: UNASSIGNED

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 years

**ABOUT THE PROJECT:**

Create an external security VDI server, an internal VDI connection server, secure firewall pathing, active directory authentication, and secure VDI desktop pool. Secure access will be created to authorize active directory individuals both internally and externally to their respective SCADA network infrastructure. This will be phase one -starting with the Wastewater Treatment Plant.

**JUSTIFICATION:**

Provides remote accessibility for the Wastewater Treatment plant, for internal and external servers based on security monitoring systems.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	7,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 7,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,071	1,071	1,071	1,071	1,071	1,071
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>-</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>	<b>1,071</b>

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



# TRANSPORTATION IMPROVEMENT PLAN



# TRANSPORTATION IMPROVEMENT PLAN

CFP YEAR: 2019 - 2024  
 MANAGER: NATHAN WEST/JONATHAN BOEHME  
 CONTACT: NWEST@CITYOFPA.US  
 PHONE: 360-457-0411

## TRANSPORTATION GOALS AND OBJECTIVES:

The goal of the Transportation Capital Facility 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.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	175,000	125,000	887,500	375,000	125,000	125,000	125,000
Grants	2,618,700	487,000	12,537,500	725,000	1,075,000	-	-
Transportation District	505,000	345,000	1,850,000	690,000	880,000	735,000	750,000
General Capital Reserves	265,700	190,000	-	255,000	195,000	-	-
Donations/Insurance/LID	110,000	-	-	-	-	-	-
Other Funds	855,200	-	25,000	375,000	-	-	-
<b>TOTAL</b>	<b>\$ 4,529,600</b>	<b>\$ 1,147,000</b>	<b>\$ 15,300,000</b>	<b>\$ 2,420,000</b>	<b>\$ 2,275,000</b>	<b>\$ 860,000</b>	<b>\$ 875,000</b>

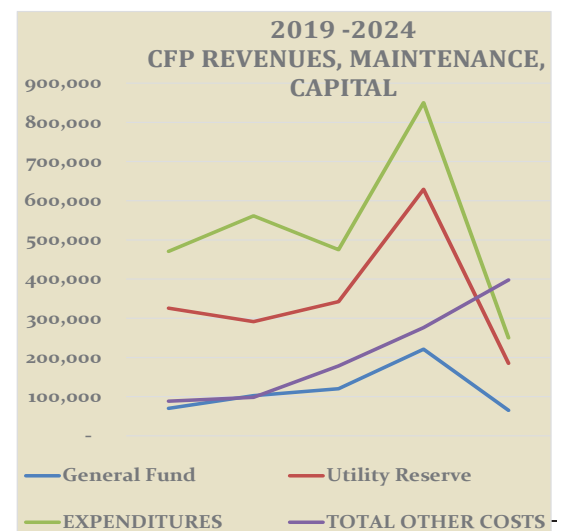
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	1,004,700	362,000	25,000	70,000	-	10,000	-
Construction	3,960,000	785,000	6,275,000	2,350,000	2,275,000	850,000	875,000
<b>TOTAL</b>	<b>\$ 4,964,700</b>	<b>\$ 1,147,000</b>	<b>\$ 6,300,000</b>	<b>\$ 2,420,000</b>	<b>\$ 2,275,000</b>	<b>\$ 860,000</b>	<b>\$ 875,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	4,049	66,225	80,563	271,813	302,063	323,000	333,750
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>4,049</b>	<b>66,225</b>	<b>80,563</b>	<b>271,813</b>	<b>302,063</b>	<b>323,000</b>	<b>333,750</b>

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

PROJECTS COMPLETED IN 2017	CAPITALIZED	Budget
Voice and Data Equipment	295,493	265,000
Electric SCADA & Server	141,499	136,900
WIFI	12,883	12,500
iSeries Redundancy	227,173	250,000
2017 Server Replacements	54,500	150,000
Phone system capacity upgrade	271,958	275,000
<b>TOTAL COMPLETED PROJECTS</b>	<b>1,003,506</b>	<b>1,089,400</b>

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 PROJECT LIST & CASH FLOW

				TRANSPORATION IMPROVEMENT PLAN						
TRANSPORTATION DISTRICT PROJECT TITLE		PRIORITY	TOTAL PROJECT	BUDGET 2018	2019	2020	2021	2022	2023	2024
TR0111	Marine Drive Channel Bridge	A	677,935	635,200	-	-	-	-	-	-
TR0114	Hill Street-Olympic Discovery Trail	A	1,681,628	45,600	-	-	-	-	-	-
TR0118	8th Street Protective Screen	A	1,000,000	1,000,000	-	-	-	-	-	-
TR0209	Race Complete Street - Design	A	11,451,457	327,200	-	9,000,000	-	-	-	-
TR0216	Tumwater Street Bridge joint	A	237,028	223,900	-	-	-	-	-	-
TR0909	Wayfinding & ODT Signage	A	212,013	211,500	-	-	-	-	-	-
TR1100	10th Street Reconstruction	A	1,800,000	1,800,000	-	-	-	-	-	-
TR0414	Peabody Creek/Lincoln St Culvert Repair	1	3,446,300	446,300	-	3,000,000	-	-	-	-
TR0416	1St/2nd/Valley/Oak Green Alley	2	470,000	20,000	-	450,000	-	-	-	-
TR1299	Park Avenue Chip Seal	3	130,000	130,000	-	-	-	-	-	-
TR0405	Alley Paving Revolving Funding	4	875,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000
TR1516	Peabody Street Chip Seal Ph1	5	125,000	-	125,000	-	-	-	-	-
TR0215	Peabody Street Chip Seal Ph3	6	200,000	-	200,000	-	-	-	-	-
TR0315	Peabody Street Chip Seal Ph2	7	125,000	-	125,000	-	-	-	-	-
TR0515	Lauridsen Blvd Overlay	8	1,220,000	-	20,000	1,200,000	-	-	-	-
TR0218	Lincoln Street Safety	9	700,000	-	100,000	600,000	-	-	-	-
TR1216	5th and Liberty Solar Speed Display	10	50,000	-	50,000	-	-	-	-	-
TR0314	Ennis Creek Culvert Replacement	11	525,000	-	125,000	400,000	-	-	-	-
TR0715	16th Street LID	12	1,060,000	-	160,000	-	900,000	-	-	-
TR1416	Hamilton School Walking Routes	13	215,000	-	15,000	-	200,000	-	-	-
TR1215	City Hall East Parking Lot LID	14	602,000	-	102,000	-	-	500,000	-	-
TR0217	Lauridsen Blvd Traffic Calming	15	300,000	-	-	300,000	-	-	-	-
TR0517	6th/7th Alley (Francis to Washington)	16	200,000	-	-	200,000	-	-	-	-
TR0101	Laurel Street Stairs Replacement	17	400,000	-	-	25,000	375,000	-	-	-
TR0115	N Street (5th to 15th) - Chip Seal	18	300,000	-	-	-	300,000	-	-	-
TR0418	Front St Alleys	19	250,000	-	-	-	250,000	-	-	-
TR0615	Golf Course Road Chip Seal	20	200,000	-	-	-	200,000	-	-	-
TR0618	Stevens Middle School Walking Routes	21	650,000	-	-	-	50,000	600,000	-	-
TR0318	8th/10th Street Bike Lanes	22	400,000	-	-	-	20,000	380,000	-	-
TR0616	ADA - Francis Street	23	300,000	-	-	-	-	300,000	-	-
TR0316	8th Street (C to I) Chip Seal	24	300,000	-	-	-	-	300,000	-	-
TR0417	Ennis Street Pavement Repair	25	70,000	-	-	-	-	70,000	-	-
TR0915	Park Avenue Paving Overlay	26	375,000	-	-	-	-	-	375,000	-
TR0518	I Street (5th to 16th) Chipseal	27	300,000	-	-	-	-	-	300,000	-
TR1116	School Area Speed Signs (Near Franklin)	28	50,000	-	-	-	-	-	50,000	-
TR0716	ADA - Peabody Street	29	310,000	-	-	-	-	-	10,000	300,000
TR0117	Liberty Street Reconstruction	30	450,000	-	-	-	-	-	-	450,000
TR0818	Railroad Ave Overlay	PL 31	200,000	-	-	-	-	-	-	-
TR0499	Laurel St/Ahlfers Road Overlay	PL 32	400,000	-	-	-	-	-	-	-
TR0113	Waterfront Redevelopment	PL 33	8,100,000	-	-	-	-	-	-	-
TR0816	ADA - Cherry Street	PL 34	300,000	-	-	-	-	-	-	-
TR0815	Old Mill Road Paving	PL 35	375,000	-	-	-	-	-	-	-
TR1015	Cherry Street Area Chip Seal	PL 36	750,000	-	-	-	-	-	-	-
TR1016	18th Street Bike Accessibility	PL 37	700,000	-	-	-	-	-	-	-
TR0916	ADA - Oak & Laurel Streets	PL 38	300,000	-	-	-	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	PL 39	725,000	-	-	-	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	PL 40	3,000,000	-	-	-	-	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	PL 41	1,950,016	-	-	-	-	-	-	-
TR0212	Caroline Street Slide Repair	PL 42	375,000	-	-	-	-	-	-	-
TR0104	2nd and Valley Pavement Restoration	PL 43	550,000	-	-	-	-	-	-	-
TR1009	1st, Front & Race Street Nodes	PL 44	433,632	-	-	-	-	-	-	-
TR0516	Nancy Lane Pavement	PL 45	200,000	-	-	-	-	-	-	-
TR0506	Valley Creek Trail Loop	PL 46	100,000	-	-	-	-	-	-	-
TR0308	O Street Improvements	PL 47	1,500,000	-	-	-	-	-	-	-
TR0599	Hill Street Intersection	PL 48	485,000	-	-	-	-	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	PL 49	6,000,000	-	-	-	-	-	-	-
TR0208	Alternate Cross Town Route Study	PL 50	220,000	-	-	-	-	-	-	-
TR0718	Public View Points	PL 51	75,000	-	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement- Phase II	PL 52	200,000	-	-	-	-	-	-	-
TR1316	Traffic Control	PL 53	300,000	-	-	-	-	-	-	-
TR1018	Zig Zag at Oak Street	PL 55	500,000	-	-	-	-	-	-	-
TR0317	Chase Street Vicinity Chipseal	PL 54	320,000	-	-	-	-	-	-	-
			59,717,009	4,964,700	1,147,000	15,300,000	2,420,000	2,275,000	860,000	875,000

Note: TBD = Transportation Benefit District  
 PL = Parking Lot;  
 A = Currently Active



# TRANSPORTATION PROJECT LIST & CASH FLOW

CASH FLOW ANALYSIS	2018	2019	2020	2021	2022	2023	2024
Beginning Cash Balance	1,271,055	1,030,955	1,351,055	356,155	266,255	46,355	166,455
<b>Funding sources:</b>							
Utilities Reserves	175,000	125,000	887,500	375,000	125,000	125,000	125,000
Grants	2,618,700	487,000	12,537,500	725,000	1,075,000	-	-
<b>Adjustments for Cash Timing</b>							
General Fund	265,700	155,100	155,100	155,100	155,100	155,100	155,100
Donations/Insurance	110,000	-	-	-	-	-	-
REET	855,200	-	25,000	375,000	-	-	-
.2% Trans Tax	700,000	700,000	700,000	700,000	700,000	700,000	700,000
Project Costs	(4,964,700)	(1,147,000)	(15,300,000)	(2,420,000)	(2,275,000)	(860,000)	(875,000)
Year End Cash Available	1,030,955	1,351,055	356,155	266,255	46,355	166,455	271,555

Note: The City committed to maintaining the average investment in Streets after the TBD was voted in, this amounts to \$125,000 per year. Each year the General fund is inputting more.

Projected Depreciation	1,065,125	1,131,351	1,211,914	1,483,727	1,785,790	2,108,790	2,442,540
Cash to depreciation ratio	97%	119%	29%	18%	3%	8%	11%

Gain/Use of Capital funds is showing the increase or decrease of reserves set aside for capital projects, this amount nets to investment from the General Fund of \$155,100 annually. In 2018 the 8th Street Bridge project will require \$98,000 which was not included in the original CFP or Budget. This funding was required from the General Fund as an unplanned expenditure, causing the General Fund average amount to increase, as a result it is excluded from the average calculation.



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.118644252, -123.43373539  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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 2020 with construction in 2021.

**JUSTIFICATION:**

The condition of the stairs is poor, causing costly maintenance and repairs.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET	-	-	25,000	375,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 375,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	375,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 375,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	313	5,000	5,000	5,000
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>313</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.120352320, -123.440580368  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Reconstruction of Valley Street from 1st Street to 6th Street to correct structural failure of the roadway and culvert. Placed in parking lot ~ \$550,000.

**JUSTIFICATION:**

The roadway has experienced structural failure along the east side as well as the culvert and under the roadway.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# MARINE DRIVE CHANNEL BRIDGE (RESTORATIVE) TR0111

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.133683229, -123.465569972  
 PROJECT MANAGER: JONATHAN BOEHME



**Maintenance Cost Descriptions:**

Estimated life 80 years

**ABOUT THE PROJECT:**

Repair the bridge approach and abutments from the Marine Channel Bridge and restore failing pavement through the Nippon Mill area. STP and TIB grant funding will be sought for this project. Additionally the need to examine lease documents for the existing mill site exists with potential offset in General Fund costs for that area.

**JUSTIFICATION:**

The bridge and adjacent roadway was inspected and determined that it is failing.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	546,600	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	37,700	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET Fund	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 584,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ 45,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	589,600	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 635,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	375	7,940	7,940	7,940	7,940	7,940	7,940
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>375</b>	<b>7,940</b>	<b>7,940</b>	<b>7,940</b>	<b>7,940</b>	<b>7,940</b>	<b>7,940</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.121773286, -123.434915540  
 PROJECT MANAGERS: NATHAN WEST/BENJAMIN BRAUDRICK

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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. \$8.1 million will go to the parking lot until funding is identified.

**JUSTIFICATION:**

Per the Comprehensive plan presentation, this will provide a beautiful entrance to our City, along with improved beaches and walking trails.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds (REET)	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# HILL STREET-OLYMPIC DISCOVERY TRAIL (PEDESTRIAN/BIKE)

TR0114

PROJECT STATUS: PLANNING/DESIGN  
 LATITUDE / LONGITUDE: 48.12958793, -123.466565608  
 PROJECT MANAGERS: NATHAN WEST/JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

## ABOUT THE PROJECT:

This project would complete 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 would follow the old railroad grade. This would include portions of Marine Drive to Crown Park and a new trailhead and parking area. Construction portion is estimated at \$3 million. \$45,600 planned spending on design in 2018.

## JUSTIFICATION:

Pedestrians and bicyclists have a very narrow shoulder to travel on when using the ODT along Hill Street. This project will safely get them off of the road and travel on a designated portion of the trail instead of the current roadside.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	36,600	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	29,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 65,600</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ 45,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 45,600</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	2,043	570	570	570	570	570	570
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>2,043</b>	<b>570</b>	<b>570</b>	<b>570</b>	<b>570</b>	<b>570</b>	<b>570</b>

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



# N STREET (5TH TO 15TH) - CHIP SEAL (RESTORATIVE)

TR0115

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.127353072, -123.483517169  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

### ABOUT THE PROJECT:

This project involves the chip sealing of N Street from 5th Street to 15th 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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	300,000	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

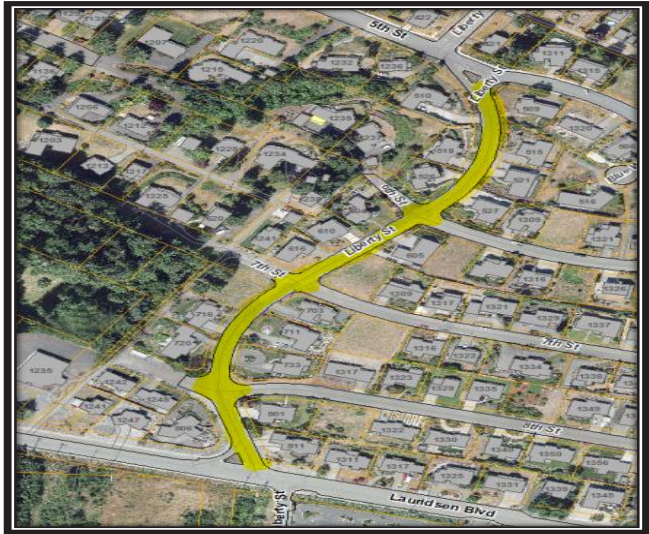
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	300,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,750	3,750	3,750
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,750</b>	<b>3,750</b>	<b>3,750</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1050932, -123.4151604  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Reconstruction of Liberty Street from 5th Street to Lauridsen Blvd to correct structural failure of the roadway. Replace base, asphalt, update drainage.

**JUSTIFICATION:**  
 The roadway has experienced structural failure.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	450,000
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	450,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.1154574, -123.4495984  
 PROJECT MANAGER: JONATHAN BOEHME/  
 TERESA REED-JENNINGS



<i>Maintenance Cost Descriptions:</i>
Estimated life 60 years

**ABOUT THE PROJECT:**

Install approximately 3,000 feet of suicide deterrent fencing on the 8th Street Bridges crossing Valley Creek and Tumwater Creek.

**JUSTIFICATION:**

Recent installations have shown the utilization of deterrents, such as safety fences and nets, is an effective form of suicide intervention. The community has requested the City design and install a permanent solution to deter suicide attempts from both 8th Street bridges while maintaining the structural integrity of the superstructures.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State of Washington	350,000	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
Capital Reserves/GF Funds	98,000	-	-	-	-	-	-
Donations/Insurance	110,000	-	-	-	-	-	-
REET 1 & 2	442,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	900,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	16,667	16,667	16,667	16,667	16,667	16,667
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OPERATING COSTS</b>	<b>\$ -</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>

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



PROJECT STATUS: PARKING LOT  
LATITUDE / LONGITUDE: 48.103560747, -123.420002460  
PROJECT MANAGERS: NATHAN WEST/JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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 placed in parking lot for design costs only. In 2014-2015 the WTIP study spent \$64,072 in preliminary review of the project which was expensed in 2015.

**JUSTIFICATION:**

The following issues have been identified as areas of critical concern that justify the need for additional crosstown 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.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# RACE COMPLETE STREET-DESIGN (CIVIC IMPROVEMENT)

TR0209

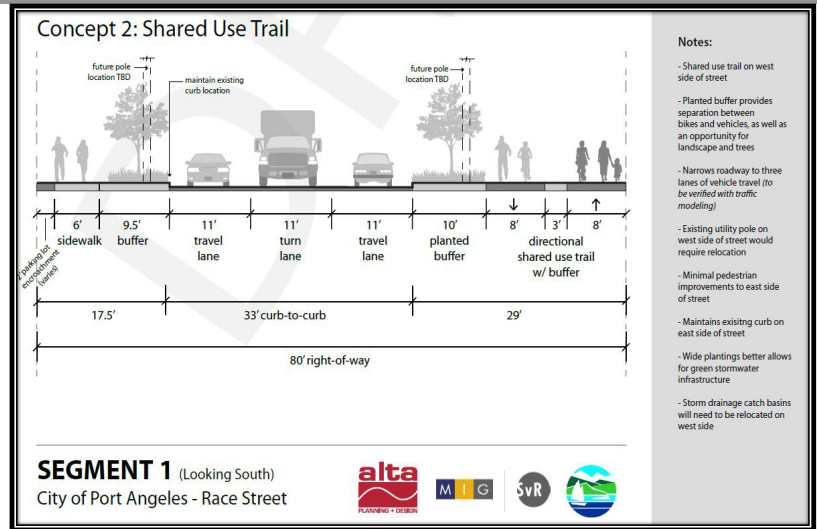
PROJECT STATUS: PLANNING/DESIGN  
 LATITUDE / LONGITUDE:  
 48.109905298, -123.421770572  
 PROJECT MANAGERS:  
 NATHAN WEST/JONATHAN BOEHME

**Maintenance Cost Descriptions:**

Estimated life 80 years

**ABOUT THE PROJECT:**

Installation of bike lanes, pedestrian safety enhancements, landscaping and pavement restoration along Race Street from First Street to Mt. Angeles Road, eliminating street parking on Race Street. Placed in Parking Lot until funding is identified at \$2.0 million. Grant approved by council on 10/20/2015, which changed the CFP spending and contributions slightly.



**JUSTIFICATION:**

Phase 1 of a 2 phase project to link Olympic National Park Visitor Center to the Waterfront and Olympic Discovery Trail. To make it easier for cyclists to travel from downtown to the Olympic National Park.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	280,500	-	7,650,000	-	-	-	-
Transportation District	-	-	1,350,000	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET #1	(16,200)	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 264,300</b>	<b>\$ -</b>	<b>\$9,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ 327,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 327,200</b>	<b>\$ -</b>	<b>\$9,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	1,553	4,090	4,090	116,590	116,590	116,590	116,590
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>1,553</b>	<b>4,090</b>	<b>4,090</b>	<b>116,590</b>	<b>116,590</b>	<b>116,590</b>	<b>116,590</b>

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



# CAROLINE STREET SLIDE REPAIR (RESTORATIVE)

TR0212

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 48.115164554, -123.411934595  
 PROJECT MANAGER: JONATHAN BOEHME



**Maintenance Cost Descriptions:**

Estimated life 80 years

**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. Placed in parking lot until funding is identified ~ \$375,000.

**JUSTIFICATION:**

Heavy rains caused the slope instability. Continued slope failure from natural processes will ultimately make the roadway unusable. Funding has not been identified.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# PEABODY STREET (AHLVERS RD TO PARK AVE) CHIP SEAL (PRESERVATION)

TR0215

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.097408306, -123.437672853  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

### ABOUT THE PROJECT:

This project involves the chip sealing of Peabody Street from Ahlvers Road to Park Avenue. Design will be done in house. Estimated at \$200,000.

### 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 which cost less to maintain.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	200,000	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	200,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	2,500	2,500	2,500	2,500	2,500
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>

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



PROJECT STATUS: CONSTRUCTION  
 LATITUDE / LONGITUDE:  
 48.122428, -123.446958  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 The expansion joints on the Tumwater Street Bridge will be repaired and the bridge deck resurfaced.

**JUSTIFICATION:**  
 Water is leaking through the expansion joints and could lead to failure of prestressed girders. Also, vehicles driving over the uneven surface are increasing impact loading on the bridge.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET#1 Fund	175,400	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 175,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	223,900	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 223,900</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	71	2,799	2,799	2,799	2,799	2,799	2,799
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>71</b>	<b>2,799</b>	<b>2,799</b>	<b>2,799</b>	<b>2,799</b>	<b>2,799</b>	<b>2,799</b>

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



# LAURIDSEN BLVD TRAFFIC CALMING (SAFETY)

TR0217

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1061944, -123.4341184  
 PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 80 years

### ABOUT THE PROJECT:

Construct traffic calming chicanes and curb bump outs to calm the speed of traffic and allow easier pedestrian crossing of Lauridsen between Lincoln and Race. Project dependent on obtaining grant funding.

### JUSTIFICATION:

Lauridsen Blvd is a wide street which allows vehicles to comfortably travel at high rates of speed, narrowing lanes and adding curb bump outs will slow traffic and allow pedestrians to more easily cross the street.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	200,000	-	-	-	-
Transportation District	-	-	100,000	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	300,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	3,750	3,750	3,750	3,750
Other -explain	-	-	-	-	-	-	-
<b>TOTAL MAINTENANCE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,750</b>	<b>3,750</b>	<b>3,750</b>	<b>3,750</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1164491, -123.434495  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Install pedestrian and traffic safety treatments on Lincoln Street between 2nd and 8th Streets to improve safety. Key elements will include curb extensions, median refuge islands, pedestrian activated becons, and lane channelization.

**JUSTIFICATION:**

A significant number of collisions involving pedestrians have occurred in this corridor.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	100,000	500,000	-	-	-	-
Transportation District	-	-	100,000	-	-	-	-
General Fund Reserves	-	-	-	-	-	-	-
Street Vacations	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ 100,000	\$ -	\$ -	-	-	-
Construction	-	-	600,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,250	8,750	8,750	8,750	8,750
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>1,250</b>	<b>8,750</b>	<b>8,750</b>	<b>8,750</b>	<b>8,750</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.126666162, -123.492413519  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Pave, add curbs, gutters, drainage, and utilities to the current gravel road. Right-of-way would need to be purchased at approximately \$490,000. Parking Lot \$1,500,000.

**JUSTIFICATION:**

This is an incomplete arterial road by City Standards.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance/LID	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.107727493, -123.398896696  
 PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 80 years

**ABOUT THE PROJECT:**

Replacement of the comprised dual 7’ diameter concrete culverts carrying Ennis Creek under Ennis Creek Cutoff Road (approximate RM 0.6) with a fish passable culvert/bridge. State grant funding is proposed.

**JUSTIFICATION:**

The Ennis Creek double culvert is the downstream-most fish passage barrier for the 7+ square mile watershed. The removal of the barrier will allow fish passage for about 5.4 miles of fish habitat. This project was identified as a high priority for the restoration of Ennis Creek in the Ennis Creek and 2010 Estuary Restoration Conceptual Plan, that was prepared by a technical team, headed by the Lower Elwha Klallam Tribe (LEKT) and Rayonier Properties. The LEKT has shown strong support for the project over many years. Ennis Creek supports coho salmon, steelhead and cutthroat, and historically, a small run of fall chum salmon. The project has been submitted to the North Olympic Peninsula Lead Entity Group (NOPE) for a Salmon Recovery Funding Board (SRFB) Grant.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	125,000	400,000	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	400,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,563	6,563	6,563	6,563	6,563
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>1,563</b>	<b>6,563</b>	<b>6,563</b>	<b>6,563</b>	<b>6,563</b>

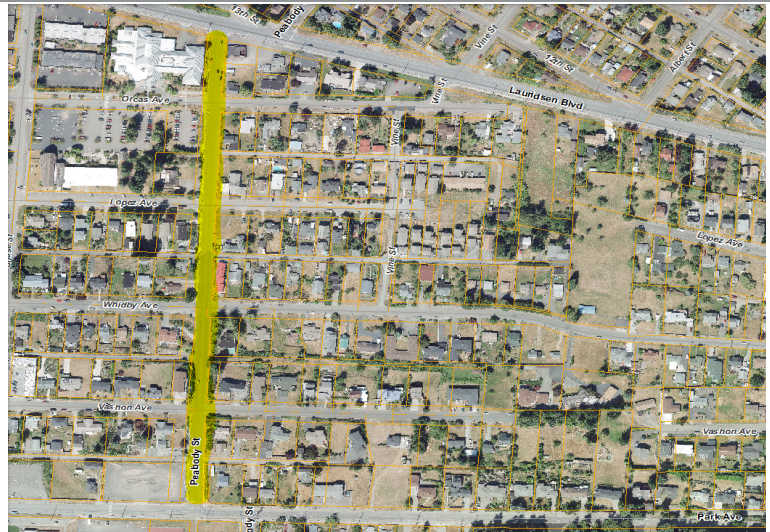
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# PEABODY STREET CHIP SEAL - PARK AVE TO LAURIDSEN BLVD (PRESERVATION)

TR0315

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.104002083, -123.438370228  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 This project involves the chip sealing of Peabody Street from Park Avenue to Lauridsen Boulevard. Design will be done in house. Project cost \$125,000.

**JUSTIFICATION:**  
 The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	125,000	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

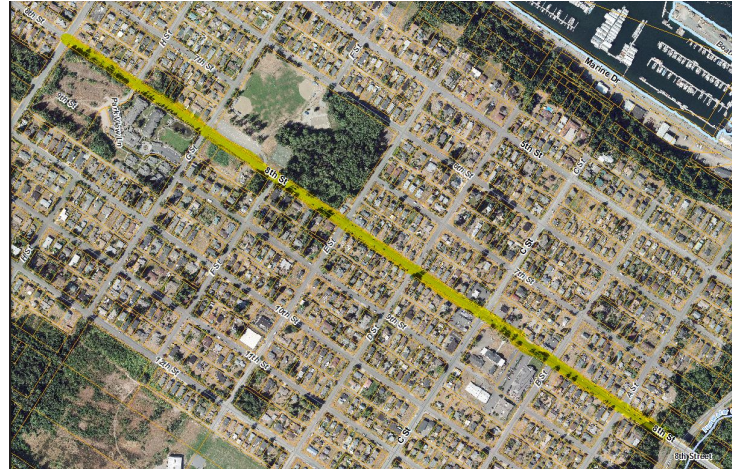
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	125,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,563	1,563	1,563	1,563	1,563
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>1,563</b>	<b>1,563</b>	<b>1,563</b>	<b>1,563</b>	<b>1,563</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.123064, -123.463908  
 PROJECT MANAGER: JONATHAN BOEHME



Maintenance Cost Descriptions:
Estimated life 80 years

**ABOUT THE PROJECT:**  
 The project involves the chip sealing of 8th Street from C to I 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 preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than streets in poor conditions.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	300,000	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Street Fund	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	300,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	3,750	3,750
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,750</b>	<b>3,750</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.1126732, -123.433784  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

The project involves the chip sealing of Chase Street and crossing streets between 4th and 8th streets. Estimated at \$320,000 Placed in the Parking lot until funding is available.

**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 streets in poor condition.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL MAINTENANCE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1218317, -123.4671465  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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.

**JUSTIFICATION:**

Complete the multimodal gap in east/west travel between 8th Street Bridges and ODT to improve safety for bicyclists.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	200,000	-	-
Transportation District	-	-	-	20,000	180,000	-	-
General Fund	-	-	-	-	-	-	-
Donations/Permits/St Vacation	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 380,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -
Construction	-	-	-	-	380,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 380,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	250	5,000	5,000
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>250</b>	<b>5,000</b>	<b>5,000</b>

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



PROJECT STATUS: REVOLVING FUND  
 LATITUDE / LONGITUDE:  
 48.112243000, -123.427812000  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

This project involves paving of alleys and exists as a revolving fund. The funds are transferred in from the Collection Division, for use on future alley projects. Tentative funding for 2019 - \$112,500 to First, Second and Green Alley Projects, 2020 and 2021 \$200,000 to 6/7 Alley between Francis 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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design - Trf to projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction- Trf to projects	125,000	125,000	125,000	125,000	125,000	125,000	125,000
<b>TOTAL</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,563	3,125	4,688	6,250	7,813	9,375
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>1,563</b>	<b>3,125</b>	<b>4,688</b>	<b>6,250</b>	<b>7,813</b>	<b>9,375</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.118031141, -123.431623936  
 PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

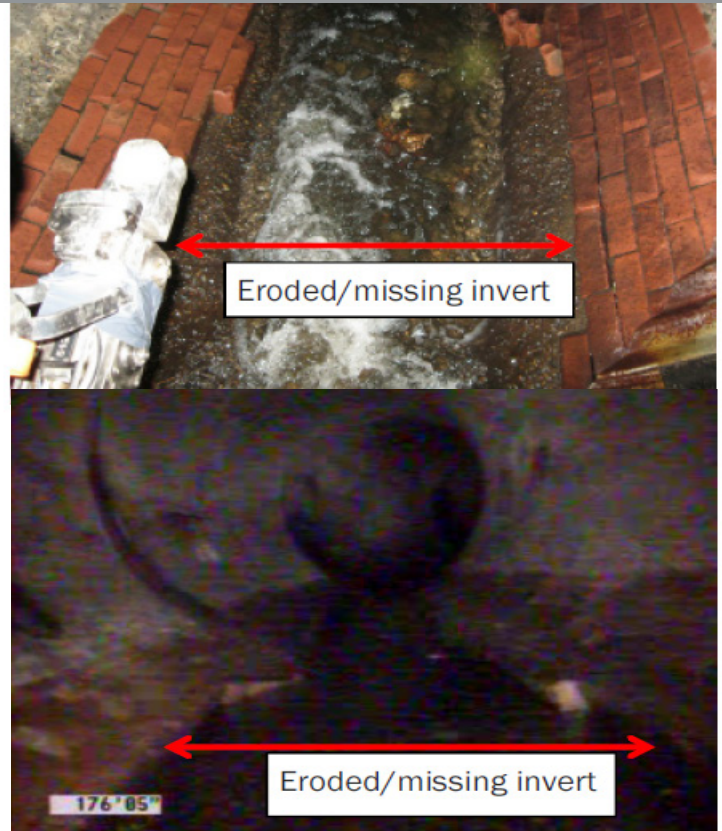
Estimated life 80 years

**ABOUT THE PROJECT:**

Repair of the culvert which carries Peabody Creek under Lincoln Street. This project will repair the invert of the culvert and stabilize adjacent soil and include rehabilitation of the culvert with a shotcrete liner. This project will receive funding from Washington State Department of Transportation for their percentage of ownership of the culvert; the City will apply for a 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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 30,000		\$ 450,000	\$ -	\$ -	\$ -	\$ -
Grants	255,000		2,550,000	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/WSDOT	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 285,000</b>	<b>\$ -</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	446,300	-	-	-	-	-	-
Construction	-	-	3,000,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 446,300</b>	<b>\$ -</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	5,579	5,579	43,079	43,079	43,079	43,079
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>5,579</b>	<b>5,579</b>	<b>43,079</b>	<b>43,079</b>	<b>43,079</b>	<b>43,079</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.120439, -123.438569  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Repair pavement and stormwater connections in this alley. Alley paving funds will be used for match to stormwater LID grant.

**JUSTIFICATION:**  
 The pavement has failed in this alley and inadequate stormwater connections contribute to wet weather combined sewer overflow events.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ 20,000		\$ 112,500	\$ -	\$ -	\$ -	\$ -
Grants	-		337,500	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-		450,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	250	250	5,875	5,875	5,875	5,875
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>250</b>	<b>250</b>	<b>5,875</b>	<b>5,875</b>	<b>5,875</b>	<b>5,875</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1083644, -123.4101987  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	70,000	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	70,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	875	875
Other -explain	-	-	-	-	-	-	-
<b>TOTAL MAINTENANCE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>875.00</b>	<b>875.00</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.1133053, -123.4201978  
 PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 80 years

**ABOUT THE PROJECT:**

Alley asphalt and subgrade have failed two Front Street Alley's. Alley's include Front/Georgiana between Race and Washington, and Front/First between Race and Francis. Replace alley base and surfacing, evaluate drainage requirements.



**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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	250,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,125	3,125	3,125
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,125</b>	<b>3,125</b>	<b>3,125</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 48.094521134, -123.441485881  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

This project will overlay Ahlvers Road from Peabody to Laurel and 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. Current estimate is \$400,000 placed in the parking lot.

**JUSTIFICATION:**

Restore pavement condition, safety for walkers.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.113217680, -123.446798801  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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. Parking Lot until funding is identified - \$100,000.

**JUSTIFICATION:**

Provide additional nature trails within the City. Additional funding has not been identified.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# LAURIDSEN BLVD CHIP SEAL (LINCOLN TO ENNIS) TR0515 (PRESERVATION)

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.105182780, -123.429993153  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

## ABOUT THE PROJECT:

This project involves the overlay of Lauridsen Blvd from Lincoln Street to Ennis Street. Design will be done in house. Grant eligible. Project dependent on obtaining grant funding.

## JUSTIFICATION:

The overlay will extend the life of the pavement.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	900,000	-	-	-	-
Transportation District	-	20,000	300,000	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 1,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	1,200,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 1,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	250	15,250	15,250	15,250	15,250
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>250</b>	<b>15,250</b>	<b>15,250</b>	<b>15,250</b>	<b>15,250</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.101986, -123.403181  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

The project will rebuild Nancy Lane. Cost is estimated at \$200,000 and is in the parking lot until funding is available.

**JUSTIFICATION:**

Pavement has failed and potholes and rutting have developed.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# 6TH/7TH ALLEY (FRANCIS TO WASHINGTON) TR0517 (RESTORATIVE)

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.109105, -123.4224265  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

## ABOUT THE PROJECT:

Alley asphalt and subgrade have failed, replace alley base and surfacing, evaluate drainage requirements.

## 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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ 200,000		\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	200,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	2,500	2,500	2,500	2,500
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1218317, -123.4671465  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

This project involves the chip sealing of I Street from 5th Street to 16th 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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	300,000	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	300,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	3,750
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,750</b>

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



# HILL STREET INTERSECTION RECONSTRUCTION (MOBILITY)

TR0599

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.128664998, -123.462892055  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Realignment of Hill Street to 4th Street, and Hill Street to Marine Drive. Estimated cost \$485,000.

**JUSTIFICATION:**

The intersection occurs at the top of a hill (4th and Hill Street) which makes line of sight a problem at this location.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



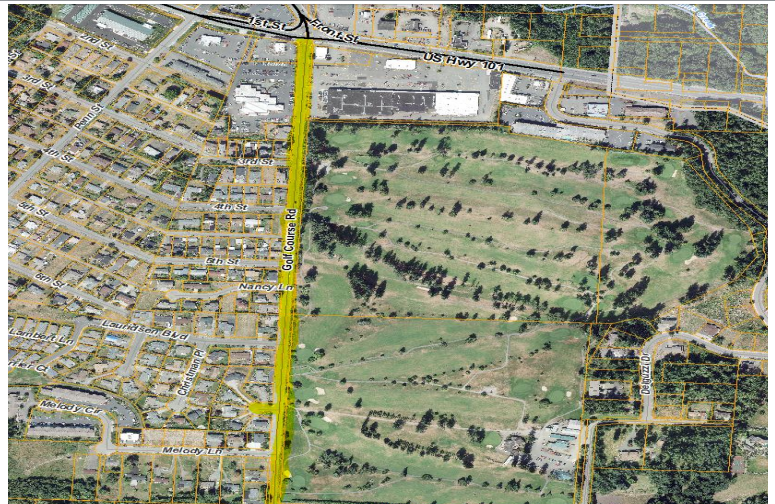
# GOLF COURSE ROAD CHIP SEAL - 1ST ST TO LINDBERG RD (RESTORATIVE)

TR0615

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.100133103, -123.402432919  
 PROJECT MANAGER: JONATHAN BOEHME

**Maintenance Cost Descriptions:**

Estimated life 80 years



**ABOUT THE PROJECT:**

This project involves the overlay of asphalt on Golf Course Road from 1st Street to Lindberg Road. Design will be done in house.

**JUSTIFICATION:**

The overlay is needed because the asphalt has gone beyond the life expectancy and potholes and rutting have developed.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	200,000	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	200,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	2,500	2,500	2,500
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114172, -123.420314  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Curb ramps will be installed to provided sidewalk accessibility and meet ADA compliance.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	300,000	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	300,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	3,750	3,750
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,750</b>	<b>3,750</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1163286, -123.4618428  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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	BUDGET 2018	CAPITAL FACILITY PLAN 2018 - 2023					
		2019	2020	2021	2022	2023	2024
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	50,000	500,000	-	-
Transportation District	-	-	-	-	100,000	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -
Construction	-	-	-	-	600,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	625	625	625
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 625</b>	<b>\$ 625</b>	<b>\$ 625</b>

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



# 16TH STREET LID - C ST TO L ST (RESTORATIVE) TR0715

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.115206153, -123.467784404  
 PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 80 years



**ABOUT THE PROJECT:**

This project will use LID techniques to manage stormwater and also restore the street surfacing between C and L Streets. DOE has offered the City a grant with no match requirements for project design.

**JUSTIFICATION:**

The street needs rehabilitation because the asphalt has gone beyond the life expectancy and a number of potholes and rutting have developed.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	160,000	-	675,000	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	225,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 160,000</b>	<b>\$ -</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	160,000	-	900,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 160,000</b>	<b>\$ -</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	2,000	2,000	13,250	13,250	13,250
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>2,000</b>	<b>2,000</b>	<b>13,250</b>	<b>13,250</b>	<b>13,250</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1112, -123.433156  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Curb ramps will be installed to provided sidewalk accessibility and meet ADA compliance.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	10,000	300,000
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 300,000</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -
Construction	-	-	-	-	-	-	300,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 300,000</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	125
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>125</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.1112, -123.433156  
 PROJECT MANAGER: ALLYSON BREKKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**

To create public view points and overlooks along bluff above downtown in available right-of-way. In the parking lot at \$75,000.

**JUSTIFICATION:**

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.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN 2018 - 2023					
		2019	2019	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund - cap reserves	-	-	-	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-
From Lodging Tax	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# OLD MILL ROAD PAVING - AHLVERS ROAD TO CITY LIMITS (PRESERVATION)

TR0815

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.088507217, -123.441013814  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

This project involves the overlay of asphalt with reinforced mesh on Old Mill Road from Ahlvers Road to City limits. Design will be done in house. The project cost is estimated at \$375,000 and is being placed in the parking lot.

**JUSTIFICATION:**

The overlay is needed because the asphalt has gone beyond the life expectancy and potholes and rutting have developed.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.117139, -123.440722  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Curb ramps will be installed to provided sidewalk accessibility and meet ADA compliance. \$300,000 in the parking lot until funding is identified.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.11918, -123.4326137  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**

This project involves the overlay of asphalt with reinforced mesh on Railroad Ave between Lincoln and Laurel. Design will be done in house. The project cost is estimated at \$200,000 and is being placed in the parking lot.

**JUSTIFICATION:**

The overlay is needed because the asphalt has a PCI rating of 27 out of 100, has gone beyond the life expectancy and potholes and rutting have developed.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2019	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund - cap reserves	-	-	-	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-
From Lodging Tax	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: DESIGN/PLANNING  
 LATITUDE / LONGITUDE: 48.112243000, -123.427812000  
 PROJECT MANAGERS: NATHAN WEST/ALLYSON BREKKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

The Port Angeles Wayfinding Plan and ODT Heritage Tourism Interpretive Signage project intended to 1) create a City wayfinding system for pedestrian and vehicle users while navigating throughout the community and 2) to highlight the City of Port Angeles’ diverse collection of natural and cultural history through interpretive signs that are strategically placed along the approximately 14 miles of the ODT that is City owned and/or maintained. The overall project is planned for two years. Specific to the wayfinding efforts, the following items will occur within the first year: update the sign design palletete, 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. Total estimated cost is \$200,000.

**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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Lodging Tax Fund	100,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	211,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 211,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	6	2,644	2,644	2,644	2,644	2,644	2,644
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>6</b>	<b>2,644</b>	<b>2,644</b>	<b>2,644</b>	<b>2,644</b>	<b>2,644</b>	<b>2,644</b>

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



# PARK AVENUE PAVING OVERLAY - RACE TO LIBERTY STREETS (RESTORATIVE)

TR0915

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.101910004, -123.421006681  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

## 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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	375,000	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 375,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	375,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 375,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	4,688
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,688</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.115986, -123.437817  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Curb ramps will be installed to provided sidewalk accessibility and meet ADA compliance. \$300,000 in the parking lot until funding is available.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# DOWNTOWN TREE/SIDEWALK REPLACEMENT T R 0 9 1 8 PHASE II

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

## ABOUT THE PROJECT:

In 2016-17, the City completed Phase 1 of the Downtown Tree & Sidewalk Replacement Program. The focus of this program is to replace out grown trees, fix tree wells, and portions of the downtown sidewalks. This project is to continue these repairs throughout the downtown area. This project is estimated at \$200,000.

## JUSTIFICATION:

If not completed, the City will continue to have infrastructure issues along the Downtown corridor.

FUNDING SOURCES	Budget 2018	CAPITAL FACILITIES PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
PAHS Funding	-	-	-	-	-	-	-
Lodging Tax	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# 1ST, FRONT & RACE STREET NODES (PEDESTRIAN/BIKE)

TR1009

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.113464094, -123.418543340  
 PROJECT MANAGER: NATHAN WEST

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Create pedestrian oriented nodes at 1st and Front Streets where it intersects with Race Street. Design was completed during the WTIP planning in 2012 and expensed in 2013. Placed in parking lot until funding of \$423,000 is identified.

**JUSTIFICATION:**

The nodes would reduce traffic speed allowing for safer crossing and a more attractive appearance.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# CHERRY STREET AREA CHIP SEAL (PRESERVATION) TR1015

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.112146051, -123.445022106  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

## 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 with an estimated project cost of \$750,000. This project is being placed in the parking lot.

## JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# 18TH STREET BIKE ACCESSIBILITY (PEDESTRIAN /BIKE)

TR1016

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.121888, -123.490203  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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. The estimated cost is \$700,000 and the project is placed in the parking lot until funding is available.

**JUSTIFICATION:**

Improve bike and pedestrian safety and connect Lincoln Park to Olympic Discovery Trail.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# ZIG-ZAG AT OAK STREET (CIVIC IMPROVEMENT)

TR1018

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.118644252, -123.43373539  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Replacement of Zig Zag Ramp at Oak Street from the top of the bluff to downtown with easy to maintain materials. Placed in the Parking lot until funding can be determined at \$500,000.

**JUSTIFICATION:**

The condition of the zig zag is questionable, which will increase costly maintenance and repairs.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

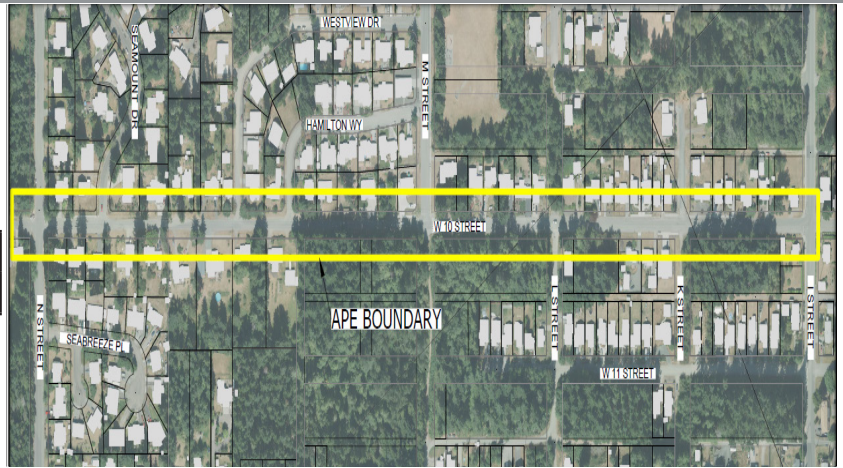
EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE:  
 48.126992144, -123.479491711  
 PROJECT MANAGER:  
 JONATHAN BOEHME



Maintenance Cost Descriptions:
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Installation of curb, gutter, sidewalk, bike lanes, drainage, and new asphalt between N and M. Overlay between I and M. City was awarded a TIB grant. The remaining amount to be covered by REET and TBD funds.

**JUSTIFICATION:**  
 This project will repair the failing street base, and construct a sidewalk and bike lane on an arterial which is designated a school walking route.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	1,150,000	-	-	-	-	-	-
Transportation District	505,000	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
REET Fund	125,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,780,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	1,780,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,800,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	22,500	22,500	22,500	22,500	22,500	22,500
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>22,500</b>	<b>22,500</b>	<b>22,500</b>	<b>22,500</b>	<b>22,500</b>	<b>22,500</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE:  
 48.124866627, -123.453931331  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Replace the most critical portions of 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 and presented to Council on 3/19/13 by Glenn Cutler, indicated cost sharing of the match portion with the Port for a STP 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 approach to fix the most deteriorated areas will be undertaken. This project is in the parking lot until funding becomes available at \$3,000,000.

**JUSTIFICATION:**

Erosion could cause the failure of the wall and loss of this section of the Olympic Discovery Trail and traffic could be impacted.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants							
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Port of PA 15% grant match							
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design			\$ -	\$ -	\$ -	\$ -	\$ -
Construction							
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.103628, -123.423178  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

The project will install electronic speed signs near Franklin School.

**JUSTIFICATION:**

Improve safety near school.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	50,000	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	50,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	625
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>625</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.112243000, -123.427812000  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years



**ABOUT THE PROJECT:**

This project will use LID techniques to manage stormwater and also restore parking surface. WA Department of Ecology has offered the City a grant with no match requirements for project design and the remaining amount will be from the General Fund.

**JUSTIFICATION:**

The current east lot at City Hall is wash boarding and past its normal life span. The lot does not have any stormwater controls installed to prevent pollution from entering Peabody Creek. The lot is used by multiple events through out the year and should be maintained for safety reasons.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	102,000	-	-	375,000	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	125,000	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 102,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	-	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	500,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 102,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,275	1,275	1,275	7,525	7,525
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>1,275</b>	<b>1,275</b>	<b>1,275</b>	<b>7,525</b>	<b>7,525</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.106603, -103.414771  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

The project will install solar powered electronic speed signs on 5th Street.

**JUSTIFICATION:**

To improve safety on this arterial street.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	50,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	50,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	625	625	625	625	625
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>625</b>	<b>625</b>	<b>625</b>	<b>625</b>	<b>625</b>

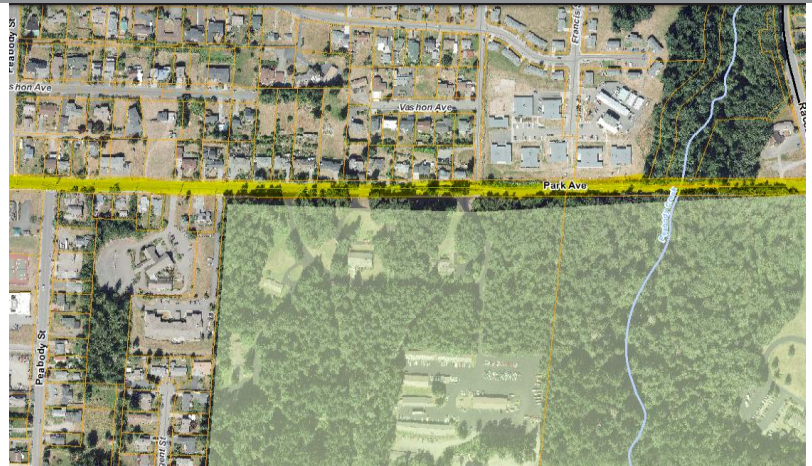
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# PARK AVE CHIP SEAL - PEABODY TO RACE STREET (RESTORATION)

TR1299

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.101653217, -123.430490972  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 The project involves the chip sealing of Park Avenue from Peabody to Race. The 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 stop 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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	130,000	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 130,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	130,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 130,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	1,625	1,625	1,625	1,625	1,625	1,625
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>1,625</b>	<b>1,625</b>	<b>1,625</b>	<b>1,625</b>	<b>1,625</b>	<b>1,625</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: MULTIPLE LOCATIONS  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

This project will install stop signs, yield signs or traffic circles at uncontrolled intersections. Improvements placed in the parking lot - \$300,000.

**JUSTIFICATION:**

Provide traffic control at uncontrolled intersections to reduce number and severity of accidents.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# TRAFFIC SIGNAL INTERCONNECT/ PREEMPTION (MOBILITY)

TR1399

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.112243000, -123.427812000  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Acquire equipment to interconnect all the traffic signals to allow computer control. This will improve traffic flow and the project would also install preemption on all signals and emergency vehicles. Placed in the parking lot with an estimated cost of \$725,000.

**JUSTIFICATION:**

Existing signals are fixed timed controllers or traffic signal activated by loops in the street. Installation of this equipment would allow for city-wide control and monitoring of all signals, allowing for changes in signal timing to ease traffic backup. Funding is not identified at this time.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# HAMILTON SCHOOL WALKING ROUTES (PEDESTRIAN/BIKE)

TR1416

PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.127794, -123.474806  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	170,000	-	-	-
General Fund	-	15,000	-	30,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ 15,000	\$ -	\$ -	-	\$ -	\$ -
Construction	-	-	-	200,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	188	188	2,688	2,688	2,688
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>188</b>	<b>188</b>	<b>2,688</b>	<b>2,688</b>	<b>2,688</b>

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



# PEABODY CHIPSEAL - LAURIDSEN TO 8TH (RESTORATION)

TR1516

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.108236, -123.435778  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

### ABOUT THE PROJECT:

Chip seal Peabody Street between Lauridsen and 8th Street, this will extend the life of road surface which received pavement repair patches in 2016.

### 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 streets in poor condition.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	125,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	125,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	1,563	1,563	1,563	1,563	1,563
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>1,563</b>	<b>1,563</b>	<b>1,563</b>	<b>1,563</b>	<b>1,563</b>

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



PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.106525074, -123.465964793  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Provide westbound to northbound access from US 101 to the Tumwater Truck Route. Placed in parking lot until funding is identified ~\$6,000,000.

**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	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# LINCOLN/LAUREL RECHANNELIZATION, SIGNAL AND ROUNDABOUT

TR1899

PROJECT STATUS: PARKING LOT  
 LATITUDE / LONGITUDE: 48.10218559, -123.442438602  
 PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

## ABOUT THE PROJECT:

Improve the intersection at Laurel Street and Lauridsen Boulevard. The City is researching both traffic signal and round-a-bout options. \$1.8 million in the parking lot until funding is identified. 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 WSDOT agreed. Money exists from a developer and is being held PRD. Without improvement this street can become a hazardous intersection.

FUNDING SOURCES	BUDGET 2018	CAPITAL FACILITY PLAN					
		2019	2020	2021	2022	2023	2024
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance/PRD	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	2018	2019	2020	2021	2022	2023	2024
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	2018	2019	2020	2021	2022	2023	2024
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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



# 2017 COMPLETED PROJECTS



## 2017 COMPLETED PROJECTS - GOVERNMENTAL PROJECTS

<b>CAPITAL IMPROVEMENT FUND</b>		
	<b>Description</b>	<b>Amount</b>
<b>FD0115</b>	FD Generator/Electrical	27,025
<b>FD0116</b>	Breathing Apparatus	218,795
<b>PD0116</b>	Mobile Data Trans	17,511
<b>CAPGF</b>	Equipment for Fire Pumper	8,802
<b>TR0116</b>	Downtown Sidewalks	154,431
<b>TR1616</b>	2016 Green Alley	547,470
<b>TR0203</b>	Waterfront Development	9,744,526
<b>GG0817</b>	Conference Room Chairs	24,142
<b>PK0217</b>	Civic Field	88,918
<b>PK0317</b>	Civic Field Fencing	69,723
<b>PK0417</b>	Calenstenics Park	45,073
<b>PK0517</b>	HVAC for Senior Center/ FAC	43,741
<b>PK0617</b>	Shane Park Fencing	5,137
<b>PK9916</b>	Georgiana Park Equipment (Quinn Redlin)	109,406
<b>CAPGF</b>	Graber Mfg-Bike Rack	7,606
<b>TOTAL CAPITAL IMPROVEMENT</b>		<b>11,112,304</b>

<b>INFORMATION TECHNOLOGY FUND</b>		
	<b>Description</b>	<b>Amount</b>
<b>IT0114</b>	Voice and Data	295,493
<b>IT0215</b>	Phone system capacity upgrade	271,958
<b>IT0614</b>	2016 Server Replacements	54,500
<b>IT0713</b>	Electrical SCADA	141,499
<b>IT0913</b>	Superion Upgrade	227,173
<b>IT1316</b>	WIFI	12,883
<b>TOTAL INFORMATION TECHNOLOGY</b>		<b>1,003,505</b>

<b>EQUIPMENT SERVICES FUND</b>		
	<b>Description</b>	<b>Amount</b>
<b>1718</b>	2017 Mini Pumper	278,496
<b>1719</b>	2017 GMC Chev 3/4T Silverado	27,039
<b>1720</b>	2017 Ford F450 Manlift truck	93,223
<b>1721</b>	2017 Ford Flatbed F450	66,295
<b>1723</b>	2017 Generator	49,810
<b>1724</b>	2017 Dodge Charger (police)	61,053
<b>1725</b>	2017 John Deere Field Rake	17,795
<b>1726</b>	2017 Ford 3/4 Truck	29,146
<b>1727</b>	2017 Kenworth Sewer Catch Basin Cleaner	498,869
<b>TOTAL EQUIPMENT SERVICES FUND</b>		<b>1,121,725</b>
<b>TOTAL</b>		<b>\$ 13,237,533</b>



## 2017 COMPLETED PROJECTS - UTILITY PROJECTS

ELECTRIC FUND		
	Description	Amount
2017	CL0212 - Yard/Area Lighting	35,564
1741	CL0616 - Overhead Reconductoring	200,325
1743	CAPEL - Equipment purchases	120,844
1742	CAPEL - Poles capitalized	18,970
1744	Distribution	116,887
1745	Overhead	17,105
1746	Poles	27,577
<b>Electric Fund</b>		<b>537,271</b>

WATER FUND		
1748	CAPWT - Equipment	17,095
<b>Water Fund</b>		<b>17,095</b>

WASTEWATER FUND		
1749	WW1008 - CSO phase 2	20,227,474
2017	WW0116 - Marine Drive Sewer	159,141
2017	WW0210 - Programmable Logic Controller	89,573
2017	CAPWW - Pumps and WWTP Equipment	53,888
<b>Wastewater Fund</b>		<b>20,530,076</b>

TRANSFER STATION		
1750	SW0212 - Landfill Bluff Stabilization	20,047,717
<b>Stormwater Fund</b>		<b>20,047,717</b>
<b>TOTAL</b>		<b>\$ 41,132,158</b>



CITY OF PORT ANGELES



2019 - 2024  
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 2017, and the comprehensive goals listed below:

- G-5D – To provide utility services in an efficient and cost-effective manner.
- 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-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.07 – The City should improve amenities for walking and biking, connecting neighborhoods to downtown, commercial centers and the regional trail system.
- P4A.08 – The City should improve trails, sidewalks, streets, and public facilities to encourage walkability and non-motorized transportation.
- 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.



## OBJECTIVES MET:

- 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:
  - Include including bike path development and maintenance, signage, and storage
  - Assess cost/benefits of bicycle-friendly infrastructure.
- O-4.06 – Develop a “Complete Streets” programs for Port Angeles, helping identified travelways 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 US101 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).

## STRATEGIC GOALS MET:

- 1.6 – Provide and publish year end reports for:
  - Waterfront Improvement Plan Phase 3
  - Race Street Corridor Project 30% Design
  - Façade Improvement Program
- 1.7 - City Signage and Wayfinding Program
- 1.8 – Complete downtown, parks, and trail enhancements
  - Civic Field, Calisthenics Park, Georgiana Park
  - Hill Discovery Trail
  - Add amenities downtown (e.g. tables and chairs)
  - Bike routes, address funding, route maps, parking obstacles
- 3.3 – Deliver and support new online tools for data reporting and building permit process (public use)



# CITY OF PORT ANGELES' STRATEGIC PLAN

Objectives	Goals	Strategies	Actions / Measures
1. Ensure long-term prosperity and sustainability while preserving and enhancing our unique and diverse small town character.	<p>By the end of 2018, adopt plans for infrastructure and systems that will foster and promote a thriving Downtown:</p> <ul style="list-style-type: none"> <li>Mixed-use commercial districts that increase occupancy and employment</li> <li>Attractive neighborhoods with market-rate housing options</li> <li>Improved multi-modal transportation opportunities</li> <li>Sustained community beautification</li> </ul>	<ul style="list-style-type: none"> <li>Focus commercial development in Central Business District and Gateway Corridor areas</li> <li>Support new tech, green businesses, and Makers Spaces</li> <li>Expand housing in Central Business District to attract new retirees and young professionals</li> <li>Optimize transportation and wayfinding to improve circulation patterns across and within the community</li> <li>Enhance amenities for walking and biking, connecting neighborhoods to downtown commercial districts and trail systems</li> <li>Focus beautification efforts in parks, downtown, and visitor areas</li> </ul>	<ul style="list-style-type: none"> <li>Deliver Capital Facilities Plan for 2018-2023 by July 2017</li> <li>Secure municipal and industrial water rights by December 2017</li> <li>Align Municipal Code for high density development zones by March 2017</li> <li>Adjust zoning to protect the prime commercial corridor December 2017</li> <li>Re-write sign code (less clutter, more character) by December 2018</li> <li>Provide and publish year end reports for: <ul style="list-style-type: none"> <li>Waterfront Improvement Plan Phase 3 design</li> <li>Race Street Corridor Project 30% design</li> <li>Façade Improvement Program – present 5 applications to Planning Commission</li> </ul> </li> <li>City Signage and Wayfinding Program-RFP and design adjustments</li> <li>Complete downtown, parks, and trail enhancements: <ul style="list-style-type: none"> <li>Civic Field, Calisthenics Park, Georgiana Park by December 2017</li> <li>Hill Street Olympic Discovery Trail Project by June 2018</li> <li>Add amenities downtown (e.g. tables and benches) by December 2018</li> <li>Bike routes: address funding, route maps, parking obstacles by December 2018</li> </ul> </li> <li>Review and assess progress per AIA Urban Design Study by December 2017; consider proposals to transform First and Front streets</li> <li>If we continue to contract with PADA: <ul style="list-style-type: none"> <li>Inventory vacant downtown commercial properties and apply Buxton study to identify needed business types by March 2018</li> <li>Promote 2<sup>nd</sup> story and above residential occupancy in the Downtown</li> </ul> </li> <li>Create plan by March 2018 motivating vacant property owners to upgrade buildings or lots</li> </ul>
2. Build financial capacity to provide consistent, quality municipal services and increase opportunity for economic development.	<ul style="list-style-type: none"> <li>Maximize City-owned assets</li> <li>Source new revenue streams</li> <li>Identify City 5-year priorities</li> <li>Supplement Public Safety funds</li> </ul>	<ul style="list-style-type: none"> <li>Refine planning, analysis, forecasting</li> <li>Evaluate multiple funding models: <ul style="list-style-type: none"> <li>State / Federal grants</li> <li>Low-risk financing</li> <li>Property and asset sales</li> <li>Special benefit districts</li> <li>Public-private enterprise</li> <li>Expand tax base</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Update Long-Range Financial Plan for 2018-2023</li> <li>Sell Niichel, and Lincoln Street properties by December 2017</li> <li>Sell Morse Creek property by July 2018</li> <li>Transportation Benefit District on ballot August 2017</li> <li>Increase EMS utility fee by July 2017 to cover additional paramedic resources</li> <li>Reexamine public safety funding options by December 2017 for tax-exempt properties</li> </ul>
3. Exemplify excellence in government and regional community leadership.	<ul style="list-style-type: none"> <li>Optimize organizational effectiveness and operational efficiency</li> <li>Increase Council inter-jurisdictional collaboration</li> <li>Provide for citizen involvement</li> </ul>	<ul style="list-style-type: none"> <li>Invest in comprehensive Professional Development for City Council and Staff</li> <li>Upgrade technology for internal efficiency, transparency and convenience for public use</li> <li>Create inter-jurisdictional Community Agendas led by City Council members; consider public invitation</li> </ul>	<ul style="list-style-type: none"> <li>Professional Development plans for Council by December 2017</li> <li>Records management program - replace staff position by September 2017, and bring three departments onto ECM system by December 2018</li> <li>Deliver and support new online tools for data reporting and building permit process (public use) by December 2017.</li> <li>Confirm Council Community Agenda topics and attendees by Sep 2017: Examples may include: 1) Port commercial growth / industrial development, 2) Climate Change Adaptive Plan 3) Cross promote tourism events with City of Victoria 4) Homelessness issues and impacts 5) Public Health &amp; Wellness Advisory</li> <li>Tourism: Implement City Council Lodging Tax Policy by September 2017</li> <li>Education: Meet with Superintendent re: November ballot by June 2017</li> </ul>



# 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
CAPGF	General Government Capital	Misc Equipment	-	-	-
PK0115	City Hall Camera	Facility	-	-	-
GG0416	City Hall Fire Suppression System	Facility	-	-	-
PK1106	City Pier Floats	Transportation	G-4	-	1.8
FD0215	City-wide Alarm System Upgrade	Public Safety	-	-	-
PK0110	Civic Field Upgrades	Facility/Parks	-	-	1.8
PD0118	Crossmatch Fingerprint Analysis	Public Safety	-	-	-
FD0118	Defib Revolving fund	Public Safety	-	-	-
FD0318	Emergency Mgmt Pods	Public Safety	-	-	-
PK0214	Erickson Playfield Camera	Parks/ Public Safety	G-10A; P-10B.04	-	1.8
PK0307	Erickson Tennis Court Lighting	Parks	G-10A; G-10B	-	1.8
PK0216	Facility Improvement Revolving Fund	Facility	-	-	-
GG1113	Facility Security Projects	Facility	-	-	-
FD0415	Fire Dept Turn-Out Gear (Revolving program)	Public Safety	-	-	-
GG0616	Fire Hall HVAC/ Heater	Facility	-	-	-
GG0716	Fire Hall Living Area Repairs	Facility	-	-	-
FD0615	Fire Hoses	Public Safety	-	-	-
FD0315	Fire Station Garage Door Replacement	Facility	-	-	-
FD0216	Fire Training Facility	Public Safety	-	-	-
PK0118	Lincoln Park BMX Track Starting Hill/Gate Project	Parks	G-10A; G-10B	-	1.8
PK0218	Lincoln Park Parking Lot Paving	Civic Improvement	-	-	-
PK0316	Locomotive #4 Refurbishment	Civic Improvement	-	-	-
PD0116	Mobile Data Terminal Replacements	Public Safety	-	-	-
PK0802	Neighborhood Park Development	Parks	G-10A; G-10B	-	1.8
GG0303	NICE Program	Economic Dev	G-9A	-	-
PD0307	Police Regional Training Facility	Public Safety	-	-	-
PK9916	Quinn Redlin Kintner Memorial Park Playground	Parks	G-10A; G-10B	-	1.8
FD0416	Radio Transmittor Generator	Public Safety	-	-	-
PK0205	Restroom Replacement Program	Parks	G-10A; G-10B	-	1.8
FD0218	Self Contained Breathing App.	Public Safety	-	-	-
FD0316	Senior Center EOC Generator	Public Safety	-	-	-
GG0516	Senior Center Fire Suppression System	Facility	-	-	-
PK0406	Shane & Elks Field Lighting	Parks	G-10A; G-10B	-	1.8
GG0916	Valley Creek Restoration Phase 3	Civic Improvement	-	-	-
PK0318	Waterfront Trail Rip-Rap Repair	Transportation	G-4	-	1.8
FD0799	West Side Fire Station	Public Safety	-	-	-
FD0114	West Side Fire Station Land	Public Safety	-	-	-



PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
TR1100	10th Street Reconstruction	Restoration	G4	O-4.04	-
TR0715	16th Street LID	Restoration	G4	-	-
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	G4A; P-4A.01	O-4.03	1.8
TR1009	1st, Front & Race Street Nodes	Pedestrian / Bike	G4A; P-4A.03	O-4.03	1.8
TR0416	1St/2nd/Valley/Oak Green Alley	Restoration	G4	-	-
TR0104	2nd and Valley Pavement Restoration	Restoration	G4	-	-
TR1216	5th and Liberty Solar Speed Display	Safety	G4A; P-4A.03; P-4A.02	-	-
TR0517	6th/7th Alley (Francis to Washington)	Restoration	G4	-	-
TR0316	8th Street (C to I) Chip Seal	Preservation	G4	-	-
TR0118	8th Street Protective Screen	Safety	G4A; P-4A.03; P-4A.02	-	-
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	G4A; P-4A.01	O-4.03; O-4.04	1.8
TR0616	ADA - Francis Street	Pedestrian / Bike	G4A; P-4A.01	O-4.03	1.8
TR0816	ADA - Cherry Street	Pedestrian / Bike	G4	O-4.03	1.8
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	G4A; P-4A.03	O-4.03	1.8
TR0716	ADA - Peabody Street	Pedestrian / Bike	G4A; P-4A.03; P-4A.02; P-4A.09	-	1.8
TR0405	Alley Paving Revolving Funding	Restoration	G4	-	-
TR0208	Alternate Cross Town Route Study	Civic Improvement	G4B; P-4B.06	O-4.08	-
TR0212	Caroline Street Slide Repair	Restoration	G4	-	-
TR0317	Chase Street Vicinity Chipseal	Preservation	G4	-	-
TR1015	Cherry Street Area Chip Seal	Preservation	G4	-	-
TR1215	City Hall East Parking Lot LID	Restoration	G4	-	-
TR0918	Downtown Tree/Sidewalk Replacement- Phase II	Civic Improvement	G4	O-4.04	-
TR0314	Ennis Creek Culvert Replacement	Other	G4	-	-
TR0417	Ennis Street Pavement Repair	Restoration	G4	-	-
TR0418	Front St Alleys	Civic Improvement	G4	-	-
TR0615	Golf Course Road Chip Seal	Preservation	G4	-	-
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	G4A; P-4A.01	O-4.03	1.8
TR0599	Hill Street Intersection	Mobility	G4	-	-
TR0114	Hill Street-Olympic Discovery Trail	Pedestrian / Bike	G4A; P-4A.01	O-4.01	1.8
TR0518	I Street (5th to 16th) Chipseal	Preservation	G4	-	-
TR0499	Laurel St/Ahlfvers Road Overlay	Restoration	G4	-	-
TR0101	Laurel Street Stairs Replacement	Pedestrian / Bike	G4A; P-4A.01	O-4.03	1.8
TR0515	Lauridsen Blvd Overlay	Preservation	G4	-	-
TR0217	Lauridsen Blvd Traffic Calming	Civic Improvement	G4A; P-4B.08; P4B-09	-	-
TR0117	Liberty Street Reconstruction	Civic Improvement	G4	-	-
TR0218	Lincoln Street Safety	Pedestrian / Bike	G4A; P-4A.01	O-4.03	1.8
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	Civic Improvement	G4	-	-
TR1109	Marine Drive Bulkhead Repairs	Restoration	G4	-	-
TR0111	Marine Drive Channel Bridge	Restoration	G4	-	-
TR0115	N Street (5th to 15th) - Chip Seal	Preservation	G4	-	-
TR0516	Nancy Lane Pavement	Restoration	G4	-	-
TR0308	O Street Improvements	Restoration	G4	-	-
TR0815	Old Mill Road Paving	Preservation	G4	-	-
TR1299	Park Avenue Chip Seal	Preservation	G4	-	-
TR0915	Park Avenue Paving Overlay	Civic Improvement	G4	-	-
TR0414	Peabody Creek/Lincoln St Culvert Repair	Restoration	G4	-	-
TR1516	Peabody Street Chip Seal Ph1	Preservation	G4	-	-
TR0315	Peabody Street Chip Seal Ph2	Preservation	G4	-	-
TR0215	Peabody Street Chip Seal Ph3	Preservation	G4	-	-
TR0909	Port Angeles Wayfinding Plan and ODT Heritage Tourism I	Civic Improvement	G4B; P-4B.01	O-4-.03; O-4.06	1.7
TR0718	Public View Points	Unknown	G4A;	-	-
TR0209	Race Complete Street - Design	Civic Improvement	G4A; P-4B.23	-	1.6
TR1116	School Area Speed Signs (Near Franklin)	Safety	G4A; P-4A.03	-	-
TR0618	Stevens Middle School Walking Routes	Safety	G4A; P-4A.03; P-4A.02	O-4.04	-
TR1316	Traffic Control	Safety	G4A; P-4A.03	-	-
TR1399	Traffic Signal Interconnect/Preemption	Mobility	G4A; P-4A.03	-	-
TR1799	Truck Route at Hwy 101 Intersection	Civic Improvement	G4	O-4.08	-
TR0216	Tumwater Street Bridge Joint	Preservation	G4	-	-
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	G4A; P-4A.03	O-4-.02; O-4.03	1.8
TR0113	Waterfront Redevelopment	Civic Improvement	G4B; P-4B.18	O-4.01	1.6



PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
IT0118	15KVA Power Module	Info. Tech.	-	-	-
IT0216	Business License System	Info. Tech.	-	-	-
IT0416	Cemetery Software	Info. Tech.	-	-	-
IT0218	CLICK2GOV / Fusion	Info. Tech.	G-5D	-	3.3
IT0714	Data Backup Systems Replacement	Info. Tech.	G-5D	-	-
IT0514	Data Storage Array Systems	Info. Tech.	G-5D	-	-
IT0418	Electric Building Wiring/Internet/Etc	Info. Tech.	G-5D	-	-
IT1213	Enterprise Information System	Info. Tech.	G-5D; G-10D	-	-
IT0517	EOC Operational Support	Info. Tech.	0	-	-
IT0716	ERP Road Map Maintenance	Info. Tech.	-	-	-
IT0816	Facility and Class Management Scheduling	Info. Tech.	G-5D; G-10D	-	-
IT0417	Fire EOC Data/Communication Center	Info. Tech.	G-5D	-	-
IT0518	iSeries Backup system and servers	Info. Tech.	G-5D	-	-
IT1118	IT Audit	Info. Tech.	0	-	-
IT0918	Network Segmentation & VLAN Configuration	Info. Tech.	0	-	-
IT0317	Phone System 911 Interface	Info. Tech.	-	-	-
IT0214	Records Management System	Info. Tech.	0	-	-
IT1016	Remote Access	Info. Tech.	G-5D	-	-
IT0318	Remote Host	Info. Tech.	G-5D	-	-
IT0217	SCADA Server Replacements	Info. Tech.	G-5D	-	-
IT1216	SCADA Virtual Desktop Infrastructure	Info. Tech.	G-5D	-	-
IT0618	Server Replacements	Info. Tech.	G-5D	-	-
IT0117	Server Replacements	Info. Tech.	-	-	-
IT0617	SunGard Executime Scheduling Module	Info. Tech.	-	-	-
IT1018	UPS Replacement-Disaster Recovery DataCenter	Info. Tech.	-	-	-

PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
CL0716	"F" Street Transformer	Electric	G-5D	-	-
CL0217	"I" Street Substation SwitchGear	Electric	G-5D	-	-
CL0216	City / PUD Service Area Agreement	Electric	G-5D	-	-
CL0816	College Street Substation SwitchGear	Electric	G-5D	-	-
CL0414	Construct New Light Ops Building	Electric	G-5D	-	-
CL0318	Downtown Lighting and Signal Improvement Plan	Electric	G-5D	-	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Rd	Electric	G-5D	-	-
CL0218	Leasehold improvements	Electric	G-5D	-	-
CAPEL	Miscellaneous Equipment for Operations	Electric	G-5D	-	-
CL0118	Overhead Reconductoring	Electric	G-5D	-	-
CL0313	Pole Replacement Program	Electric	G-5D	-	-
CL0916	Replace "A" St & Laurel St Substations Switchgear	Electric	G-5D	-	-
CL0316	Underground Cable Replacement	Electric	G-5D	-	-
CL0117	Washington Street Substation SwitchGear	Electric	G-5D	-	-
CL0212	Yard & Area Light Replacements	Electric	G-5D	-	-

PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
SW0112	Decant Facility at Transfer Station	Solid Waste	G-5D	-	-
SW0217	Landfill Flare Replacement	Solid Waste	G-5D	-	-
SW0117	Landfill Operating Software	Solid Waste	G-5D	-	-
SW0218	Landfill Security Fencing	Solid Waste	G-5D	-	-
SW0118	Metal Recycle Facility Fence	Solid Waste	G-5D	-	-



PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
DR0404	Canyon Edge & Ahlvers Stormwater	Stormwater	G-5D	-	-
DR0215	Francis Street Outfall Repair	Stormwater	G-5D	-	-
DR0213	H' Street Stormwater Outfall	Stormwater	G-5D	-	-
DR0304	Laurel Street and US 101 Stormwater	Stormwater	G-5D	-	-
DR0115	Liberty Street Stormwater Improvement	Stormwater	G-5D	-	-
DR0804	Lincoln Park/Big Boy Pond Study	Stormwater	G-5D	-	-
DR0117	Peabody Street Water Quality Project	Stormwater	G-5D	-	-
DR0112	Valley Creek Culvert and Outfall	Stormwater	G-5D	-	-

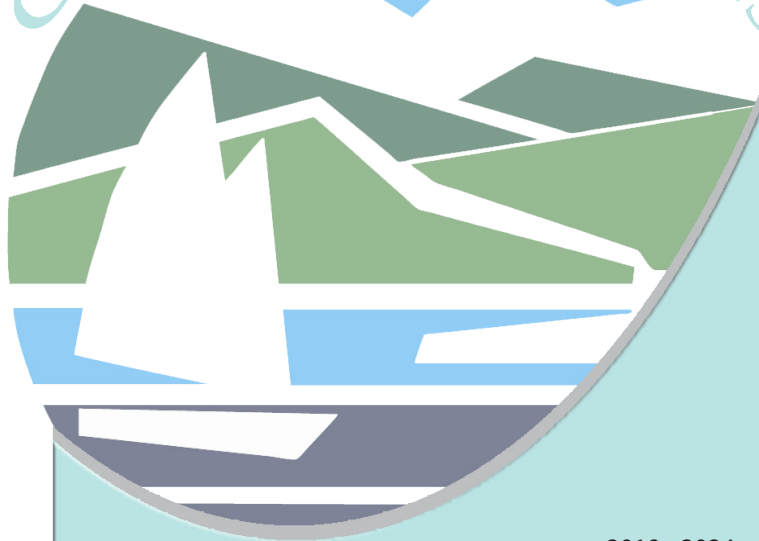
PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WT0109	"E" Street Pressure Valve	Water	G-5D	-	-
WT0418	10/11 Alley Water Main Replacement	Water	G-5D	-	-
WT0112	10th Street Water Main	Water	G-5D	-	-
WT1017	18th Street Fire Flow	Water	G-5D	-	-
WT0315	24 inch Transmission Main Replacement	Water	G-5D	-	-
WT0612	3rd Street and Vine Street Main	Water	G-5D	-	-
WT0517	6th/Laurel and 5th Fire Flow	Water	G-5D	-	-
WT0217	Airport/Edgewood Drive Main Extension	Water	G-5D	-	-
WT0512	East 4th Street Water Main	Water	G-5D	-	-
WT0212	East 6th Street Water Main	Water	G-5D	-	-
WT0917	East First Street Fire Flow	Water	G-5D	-	-
WT0715	Elwha Water Facilities Capital	Water	G-5D	-	-
WT0417	First Street/Laurel Street Fire Flow	Water	G-5D	-	-
WT1117	Lauridsen Blvd/Tumwater Fire Flow	Water	G-5D	-	-
WT0111	Liberty Street Water Main	Water	G-5D	-	-
WT0215	Marine Dr Channel Bridge Water Main	Water	G-5D	-	-
WT0116	Marine Drive Main Replacement, Phase 2	Water	G-5D	-	-
WT6499	McDougal Pressure Subzone	Water	G-5D	-	-
WT0117	Mill Creek Reservoir Expansion	Water	G-5D	-	-
WT0309	Morse Creek Water Mains to Clallam PUD #1	Water	G-5D	-	-
WT0515	Peabody Reservoir Emergency Overflow Build.	Water	G-5D	-	-
WT0617	Porter Street Zone PRV Improvements	Water	G-5D	-	-
WT0717	Race/Caroline Street Fire Flow	Water	G-5D	-	-
WT0118	Ranney Well Roof	Water	G-5D	-	-
WT0218	Reservoir Repairs	Water	G-5D	-	-
WT0317	Scribner Booster Station Upgrade	Water	G-5D	-	-
WT0817	St Andrews Place Fire Flow Loop	Water	G-5D	-	-
WT0214	Transmission Main East of Golf Course Road	Water	G-5D	-	-
WT0314	Tumwater Truck Rt Commercial Fire Flow LID	Water	G-5D	-	-
WT0318	Viewcrest/Laurel Intertie/PRV	Water	G-5D	-	-
WT0412	West 4th Street Water Main	Water	G-5D	-	-
WT0415	Whidby Avenue Main Replacement	Water	G-5D	-	-



PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WW1115	1st & 2nd Streets Alley Sewer Separation	Wastewater	G-5D	-	-
WW0618	2019 Neighborhood Sewer Rehab	Wastewater	G-5D	-	-
WW0718	2020 Neighborhood Sewer Rehab	Wastewater	G-5D	-	-
WW0818	2021 Neighborhood Sewer Rehab	Wastewater	G-5D	-	-
WW0918	2022 Neighborhood Sewer Rehab	Wastewater	G-5D	-	-
WW1018	2023 Neighborhood Sewer Rehab	Wastewater	G-5D	-	-
WW1118	2024 Neighborhood Sewer Rehab	Wastewater	G-5D	-	-
WW0110	Aeration Blower Replacement	Wastewater	G-5D	-	-
WW0205	Biosolids Dewatering and Reuse	Wastewater	G-5D	-	-
WW0316	CSO 6 and 7 Reconstruction	Wastewater	G-5D	-	-
WW0508	Digester Mixing Improvement WWTP	Wastewater	G-5D	-	-
WW0217	Ennis Creek Force Main Removal	Wastewater	G-5D	-	-
WW0117	Francis Street Pigging Bypass	Wastewater	G-5D	-	-
WW0518	Francis Street Sewer Trestle Repair	Wastewater	G-5D	-	-
WW0815	Laurel Street Sewer Separation	Wastewater	G-5D	-	-
WW0315	Marine Channel Bridge Sewer Crossing	Wastewater	G-5D	-	-
WW0118	Marine Dr Sewer Repair Phase 2	Wastewater	G-5D	-	-
WW0715	Oak Street Sewer Separation	Wastewater	G-5D	-	-
CAPWW	Operational Equipment Expenses	Wastewater	G-5D	-	-
WW1315	Pine Hill Sewer Separation	Wastewater	G-5D	-	-
WW0308	Pump Station #3 Replacement	Wastewater	G-5D	-	-
WW0415	Pump Station #5 Rehabilitation	Wastewater	G-5D	-	-
WW0915	Pump Station #6 Improvements	Wastewater	G-5D	-	-
WW0218	Pump Station Evaluation	Wastewater	G-5D	-	-
WW0318	Sewer Comprehensive Plan	Wastewater	G-5D	-	-
WW1215	Shane Park Sewer Separation	Wastewater	G-5D	-	-
WW0216	Washington Street Sewer Lateral	Wastewater	G-5D	-	-
WW0608	Waste Activated Sludge Thickening WWTP	Wastewater	G-5D	-	-
WW0516	WWTP Boiler Replacement	Wastewater	G-5D	-	-
WW0418	WWTP Facility Plan	Wastewater	G-5D	-	-



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