

THE CITY OF
PORT ANGELES
WASHINGTON



2018 - 2023

**CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN**



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

INFORMATION AND RESOURCES

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Boards and Committees

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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March 30, 2017

City Council,

I am pleased to present the City's Capital Facility Plan, and Transportation Improvement Plan (CFP/TIP) for 2018 through 2023. 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 2017. 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.

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. The City has just gone through two very expensive projects; the Landfill Bluff Project; and Phase Two of the CSO project. With those completed we can refocus on a well maintained infrastructure.

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, Stormwater, and General Government continue to fall behind in maintaining this level of reserves in their respective capital funds. Wastewater reserves are low due to the cost of the CSO project and maintenance of the 30 year old Wastewater plant. Stormwater remains underfunded with rate increases pushed out one year (2016 to 2017). In 2017 a cost of service study will be conducted with recommended changes presented at that time. General Government has met the average 5 year spending goal.*
- Aggressively pursue all Federal, State, and other external funding sources for capital improvements. *The City has done a fantastic job pursuing grant opportunities, and you can see the achievements 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 where possible.*
- Focus on preventable maintenance to increase asset life.
- Include one-time maintenance/study costs so review of increased operational cost show potential cash flow deficiencies. *A separate operational cash flow page is included for those projects that affect City finances by a large amount.*

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

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In 2017 major projects include:

- Improvements at Civic Field – for sound systems, fencing, roofing, and paint
- City Pier float replacement
- City Hall security
- Purchase of breathing apparatus for the Fire Department
- Race Street, City Hall parking lot, and Hill Street Olympic Discovery Trail designs
- Tumwater Bridge repairs and 16th Street overlay (16th Street continues to 2019)
- Phone systems, records management, servers improvements and replacements
- Two substation with full switchgear replacements (3 more to be replaced through 2022)
- Water and Wastewater main replacements
- Marine Drive Bridge and utility crossing at that location (continue into 2018)
- Biosolids dewatering at the Wastewater Treatment Plant
- H Street Outfall Improvements
- Replacement of twenty-one vehicles and the surplus of twenty three vehicles
- Non Capital items include:
 - o Elwha dam removal impact (continues to 2023)
 - o Harbor clean up impact (continues to 2023)

Major projects for 2018-2023 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 nine locations
- Wastewater pump replacement, sewer repairs at Ediz Hook
- Peabody Creek water quality through Stormwater runoff improvements
- H Street and Liberty Stormwater projects
- Replacement of vehicles per schedule

New this year is a table that links the individual projects to the Comprehensive Plan. This will allow you to see how we are working toward those goals.

In 2016 the City was able to complete multiple projects for the betterment of the community.

Public Safety

- Fire Department communications
- PenCom Infrastructure for communications
- PenCom fire suppression for the computer area, and uninterrupted power supply installation

Parks

- Calisthenics equipment
- Lighting for Civic Field

Information Technologies

- Server replacements and data storage increases
- Timecard tracking module installed
- Dedicated generator and HVAC for computer room, back up for system failure

Equipment Services

- 4 replacement vehicles, software for video on the Jet Truck, and a crash attenuator

Utilities

- Completed installation of "A" Street substation
- Purchased land next to the Corp yard for potential Light Ops Warehouse
- Yard lights, overhead lines, and distribution lines
- Marine Drive water main
- Front Street sewer
- Wastewater pumps and Wastewater Treatment Plant equipment
- Peabody Creek fecal reduction
- Landfill Bluff Stabilization - some cost in 2017
- CSO phase 2 construction - some cost in 2007

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, and input from various committees and all 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 operating and 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 2016-2021 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. Also attached are sections of the comprehensive plan for easier reference.

EXECUTIVE SUMMARY

The City of Port Angeles has combined the Cost of Service Study, Budget, and Long Range Financial Plan and Comprehensive 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 worked very hard to maintain 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 to fund the project.



Also included are maintenance items and the estimated cost of ongoing depreciation and maintenance. These large dollar maintenance items have infrequent occurrences. This identifies all operating and funding requirements that are not normal or frequent, but must be considered when looking at the overall spending requirements. This year the maintenance items are included in a separate section by fund along with a operations cash flow projection for Wastewater and Water due to the impact in those areas.

Stormwater Utilities will set aside funding for future projects and continue to build to full depreciation level as directed by the City Council. Governmental projects will continue at a below average spending level. This does not allow for the accumulation of depreciation levels or for replacement of assets that are past their prime. Until additional funding is identified the Governmental assets will fall behind on replacement and repairs, especially streets and facilities.

The 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.

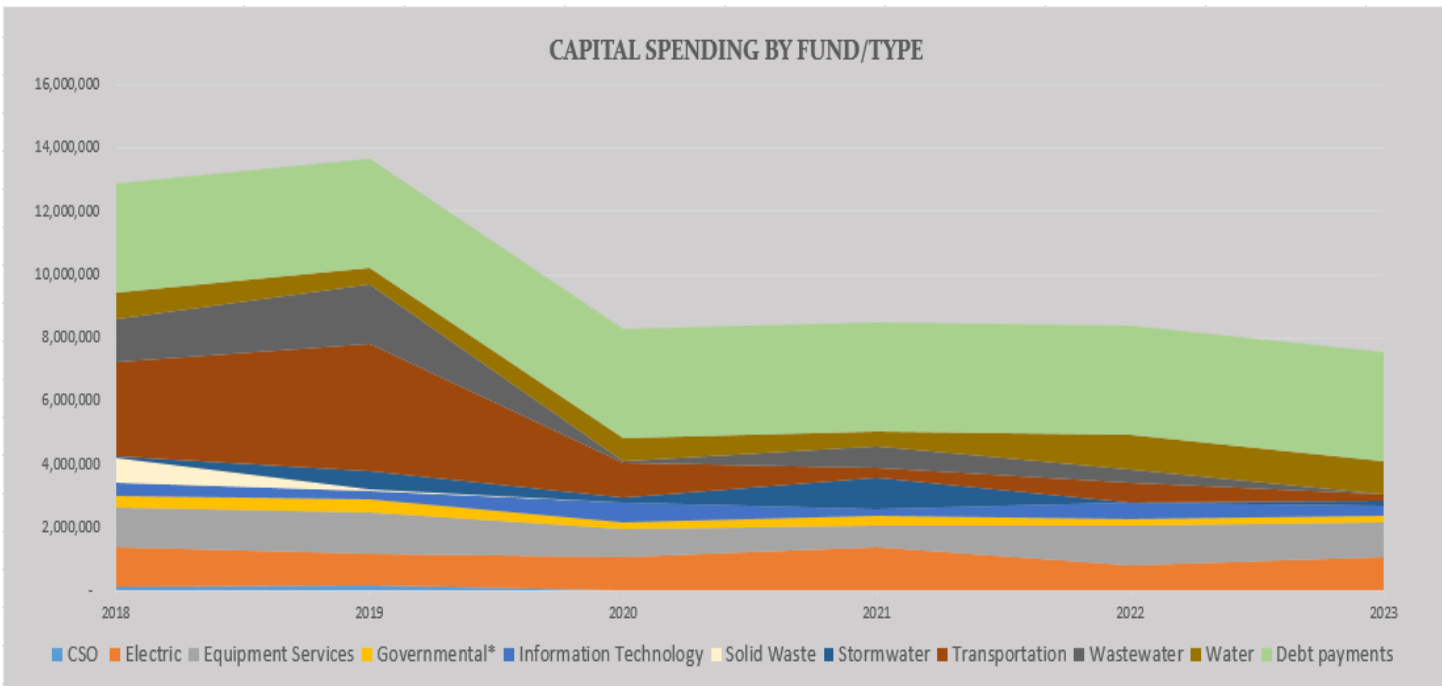
Many of the Parks and Facility projects require grant funding or donations for completion. If the funds do not materialize the project scope may change, or the project may be cancelled in full.

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, Boards and Commissions.



EXPENDITURE SUMMARY BY PROJECT TYPE

EXPENDITURES	2018	2019	2020	2021	2022	2023	TOTAL	%
CSO	150,000	190,000	-	-	-	-	340,000	0.6%
Electric	1,250,000	960,000	1,050,000	1,400,000	800,000	1,050,000	6,510,000	11.0%
Equipment Services	1,228,600	1,356,200	894,200	676,900	1,253,500	1,120,200	6,529,600	11.0%
Governmental*	398,500	408,500	237,500	315,500	212,500	212,500	1,785,000	3.0%
Information Technology	383,000	221,300	625,000	200,000	550,000	300,000	2,279,300	3.8%
Solid Waste	770,000	75,000	-	-	-	-	845,000	1.4%
Stormwater	95,000	600,000	135,000	1,000,000	-	175,000	2,005,000	3.4%
Transportation	2,960,900	4,025,000	1,100,000	320,000	580,000	200,000	9,185,900	15.5%
Wastewater	1,345,000	1,880,000	50,000	650,000	445,000	-	4,370,000	7.4%
Water	847,000	478,200	723,200	487,000	1,107,400	1,047,000	4,689,800	7.9%
Debt payments	3,477,854	3,470,596	3,467,789	3,464,281	3,460,074	3,458,924	20,799,518	35.1%
TOTAL EXPENDITURES	12,905,854	13,664,796	8,282,689	8,513,681	8,408,474	7,563,624	59,339,118	64.9%



*Spending exceeds revenue because the City has been setting funds aside for some of the larger projects for many years.



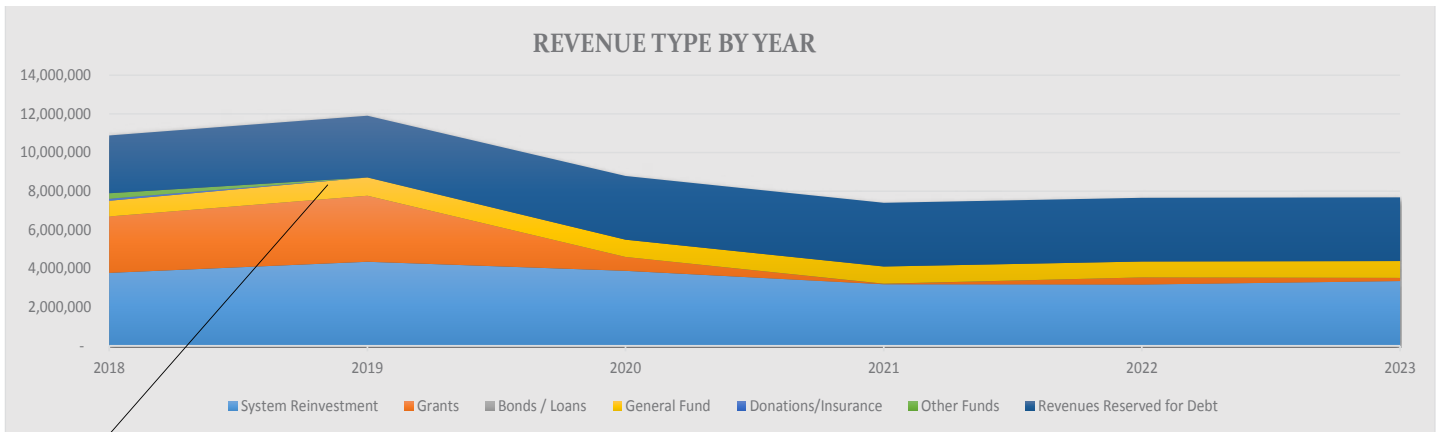
FUNDING SOURCES BY TYPE

SUMMARY OF REVENUES BY FUND	2018	2019	2020	2021	2022	2023	TOTAL	%
CSO	2,238,000	2,291,480	2,291,480	2,291,480	2,291,480	2,291,480	13,695,400	25.2%
Electric	900,000	900,000	900,000	900,000	900,000	900,000	5,400,000	9.9%
Equipment Services	1,047,800	1,053,300	1,057,800	1,067,800	1,077,800	1,087,800	6,392,300	11.8%
Governmental	1,012,300	378,500	383,500	237,500	315,500	212,500	2,539,800	4.7%
Information Technology	325,500	221,300	475,000	100,000	100,000	350,000	1,571,800	2.9%
Solid Waste	1,224,300	900,000	1,000,000	1,000,000	1,000,000	1,000,000	6,124,300	11.3%
Stormwater	100,000	600,000	100,000	100,000	100,000	172,000	1,172,000	2.2%
Transportation	2,882,700	4,150,000	1,176,500	301,500	676,500	471,500	9,658,700	17.8%
Wastewater	600,000	800,000	700,000	700,000	500,000	500,000	3,800,000	7.0%
Water	556,000	610,000	700,000	700,000	700,000	700,000	3,966,000	7.3%
TOTAL REVENUES	10,886,600	11,904,580	8,784,280	7,398,280	7,661,280	7,685,280	54,320,300	100%

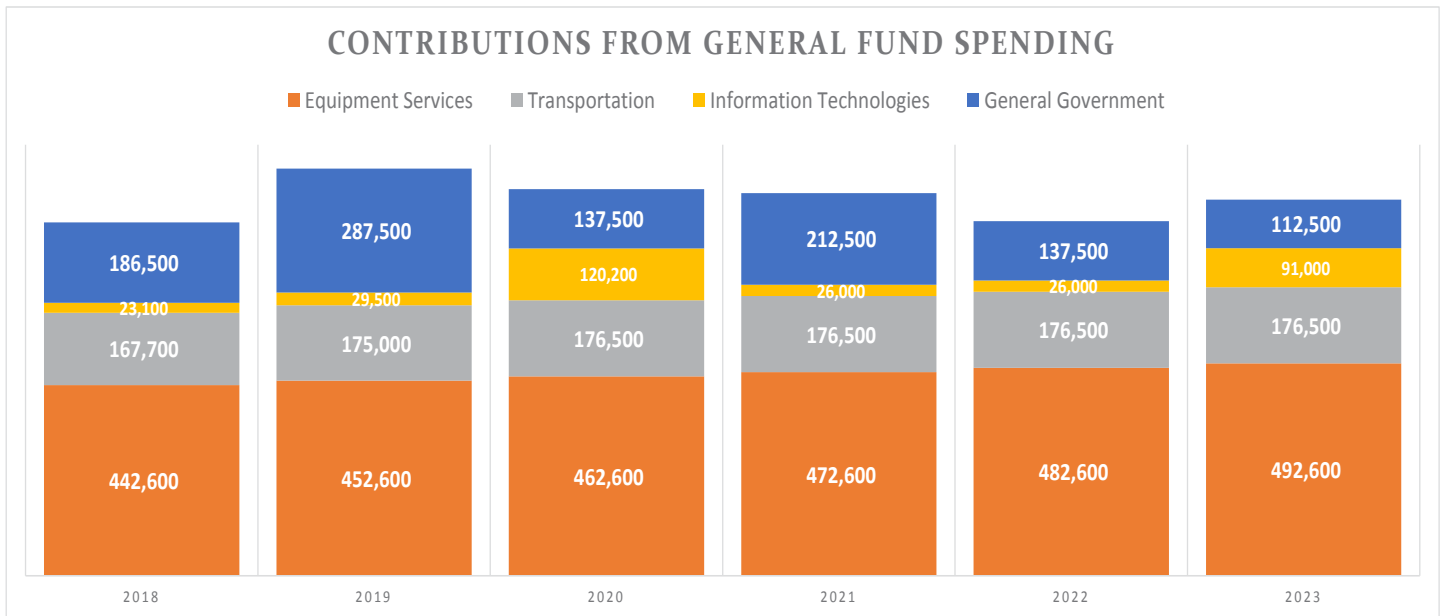
SUMMARY OF REVENUES BY TYPE	2018	2019	2020	2021	2022	2023	TOTAL	%
System Reinvestment	3,772,400	4,350,500	3,881,500	3,189,200	3,170,200	3,349,200	21,713,000	40.0%
Grants	2,916,800	3,416,000	712,500	28,000	375,000	170,000	7,618,300	14.0%
Bonds / Loans	-	-	-	-	-	-	-	0.0%
General Fund	819,900	944,600	896,800	887,600	822,600	872,600	5,244,100	9.7%
Donations/Insurance	97,500	-	-	-	-	-	97,500	0.2%
Other Funds	292,000	2,000	2,000	2,000	2,000	2,000	302,000	0.6%
Revenues Reserved for Debt	2,988,000	3,191,480	3,291,480	3,291,480	3,291,480	3,291,480	19,345,400	35.6%
AVAILABLE FOR CAPITAL	10,886,600	11,904,580	8,784,280	7,398,280	7,661,280	7,685,280	54,320,300	100%

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





GENERAL FUND CONTRIBUTIONS BY SPENDING FUND								
	2018	2019	2020	2021	2022	2023	TOTAL	%
Equipment Services	442,600	452,600	462,600	472,600	482,600	492,600	2,805,600	54%
Transportation	167,700	175,000	176,500	176,500	176,500	176,500	1,048,700	20%
Information Technologies	23,100	29,500	120,200	26,000	26,000	91,000	315,800	6%
General Government	186,500	287,500	137,500	212,500	137,500	112,500	1,074,000	20%
TOTAL FROM GENERAL FUND	819,900	944,600	896,800	887,600	822,600	872,600	5,244,100	100%



DETAIL 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.

CITY OF PORT ANGELES - ATTACHMENT A 2018-2023 CFP - TIP				CAPITAL FACILITIES PLAN					
Project#	Project Name	Rank	Total Project Cost	2018	2019	2020	2021	2022	2023
GOVERNMENTAL (Other than transportation)									
GG0303	NICE Program	1	839,320	100,000	100,000	100,000	100,000	100,000	100,000
GG0117	Olympic Discovery Trail Heritage Interpret	2	52,000	40,000	-	-	-	-	-
GG1502	NOAA/Feiro Facility	PL	12,600,000	-	-	-	-	-	-
PUBLIC SAFETY									
PD0116	Mobile Data Terminal Replacements	1	140,000	50,000	21,000	25,000	28,000	-	-
FD0315	Fire Station Garage Door Replacement	2	50,000	-	50,000	-	-	-	-
FD0415	Fire Dept Turn-Out Gear	3	140,000	17,500	17,500	17,500	17,500	17,500	17,500
FD0615	Fire Hoses	4	30,000	5,000	5,000	5,000	5,000	5,000	5,000
GG0716	Fire Hall Living Area Repairs	5	40,000	20,000	-	-	-	-	-
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	120,000	-	-	-	-	-	-
FD0799	West Side Fire Station	PL	2,125,000	-	-	-	-	-	-
PD0307	Police Regional Training Facility	PL	265,000	-	-	-	-	-	-
PARKS AND FACILITIES									
GG1113	Proximity Access Control	1	151,563	31,000	-	-	-	-	-
PK0205	Restroom Replacement Program	2	450,000	75,000	75,000	75,000	75,000	75,000	75,000
PK0216	Facility Improvement Revolving	3	120,000	15,000	15,000	15,000	15,000	15,000	15,000
GG0516	Senior Center Fire Suppression System	4	50,000	-	50,000	-	-	-	-
GG0416	City Hall Fire Suppression System	5	75,000	-	75,000	-	-	-	-
PK0115	City Hall Camera	6	75,000	-	-	-	75,000	-	-
PK0417	Calisthenic Park	7	45,000	45,000	-	-	-	-	-
GG0916	Valley Creek Restoration phase 3	PL	2,110,940	-	-	-	-	-	-
PK0110	Civic Field Upgrades	PL	500,000	-	-	-	-	-	-
PK0307	Erickson Tennis Court Lighting	PL	80,000	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	PL	50,000	-	-	-	-	-	-
PK0406	Shane & Elks Field Lighting	PL	300,000	-	-	-	-	-	-
PK0412	Lincoln Park Development phase 1A	PL	6,700,000	-	-	-	-	-	-
PK0414	Lincoln Park Development phase 1B	PL	7,400,000	-	-	-	-	-	-
PK0802	Neighborhood Park Development	PL	500,000	-	-	-	-	-	-
Total Governmental			35,408,823	398,500	408,500	237,500	315,500	212,500	212,500

TBD = Transportation Benefit District
 PL = Parking Lot (unfunded projects)
 A = Currently Active Project



Project#	Project Name	Rank	Total Project Cost	2018	2019	2020	2021	2022	2023
ELECTRIC									
CL0816	College Street Substation SwitchGear	1	500,000	500,000	-	-	-	-	-
CL0316	Underground Cable Replacement	2	1,200,000	200,000	200,000	200,000	200,000	200,000	200,000
CL0916	Washington Street Substation SwitchGear	3	500,000	-	500,000	-	-	-	-
CL0716	"F" Street Transformer	4	1,200,000	-	-	-	1,200,000	-	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course I	5	260,000	-	260,000	-	-	-	-
CL0313	Pole Replacement Program	6	1,300,000	-	-	650,000	-	-	650,000
CL0217	I Street Substation SwitchGear	7	600,000	-	-	-	-	600,000	-
CL0314	Construct New Light Ops Building	8	2,600,000	350,000	-	-	-	-	-
CL0616	Overhead Reconductoring	A	800,000	200,000	-	200,000	-	-	200,000
CL0216	City / PUD Service Area Agreement	PL	400,000	-	-	-	-	-	-
Total Electric			9,360,000	1,250,000	960,000	1,050,000	1,400,000	800,000	1,050,000
WATER									
WT0215	Marine Dr Channel Water Main Crossing Re	A	60,000	45,000	-	-	-	-	-
WT0315	24 inch Transmission Main Replacement	A	400,000	315,000	-	-	-	-	-
WT0415	Whidby Avenue Main Replacement	A	500,200	421,000	-	-	-	-	-
WT0111	Liberty Street Water Main	1	421,000	66,000	355,000	-	-	-	-
WT0512	East 4th Street Water Main	2	421,000	-	66,000	355,000	-	-	-
WT0612	3rd Street and Vine Street Main	3	368,200	-	57,200	311,000	-	-	-
WT0212	East 6th Street Water Main	4	368,200	-	-	57,200	311,000	-	-
WT0112	10th Street Water Main	5	1,081,000	-	-	-	176,000	905,000	-
WT0412	West 4th Street Water Main	6	1,239,400	-	-	-	-	202,400	1,037,000
WT0515	Peabody Reservoir Emergency Overflow Bu	7	145,000	-	-	-	-	-	10,000
WT0309	Morse Creek Water Mains to Clallam PUD #	PL	400,000	-	-	-	-	-	-
WT0116	Marine Drive Main Replacement	PL	1,500,000	-	-	-	-	-	-
WT0117	Mill Creek Reservoir Expansion	PL	3,400,000	-	-	-	-	-	-
WT0214	Transmission Main East of Golf Course Roa	PL	2,275,000	-	-	-	-	-	-
WT0217	Airport/Edgewood Drive Water Main Exten	PL	5,000,000	-	-	-	-	-	-
WT0314	Tumwater Truck Rt Commercial Fire Flow I	PL	289,000	-	-	-	-	-	-
WT0317	Scrivner Buster Station Upgrade	PL	1,500,000	-	-	-	-	-	-
WT0417	First Street/Laurel Street Fire Flow	PL	384,000	-	-	-	-	-	-
WT0715	Elwha Water Facilities Capital	PL	300,000	-	-	-	-	-	-
WT0517	6th/Laurel and 5th Fire Flow	PL	641,000	-	-	-	-	-	-
WT0615	'E' Street Reservoir Decommissioning	PL	300,000	-	-	-	-	-	-
WT0617	Porter Street Zone PRV Improvements	PL	300,000	-	-	-	-	-	-
WT0717	Race/Caroline Street Fire Flow	PL	760,000	-	-	-	-	-	-
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	-	-	-	-	-	-
Total Water			24,415,500	847,000	478,200	723,200	487,000	1,107,400	1,047,000

TBD = Transportation Benefit District
 PL = Parking Lot (unfunded projects)
 A = Currently Active Project



Project#	Project Name	Rank	Total Project Cost	2018	2019	2020	2021	2022	2023
WASTEWATER									
WW0308	Pump Station #3 Replacement	A	3,291,754	1,020,000	1,790,000	-	300,000	-	-
WW0114	Ediz Hook Biennial Sewer Repair	A	237,672	-	-	-	200,000	-	-
WW0217	Ennis Creek Force Main Removal	A	225,000	200,000	-	-	-	-	-
WW0415	Pump Station #5 Rehabilitation	1	125,000	125,000	-	-	-	-	-
WW0815	Laurel Street Sewer Separation	2	25,000	-	25,000	-	-	-	-
WW0715	Oak Street Sewer Separation	3	25,000	-	25,000	-	-	-	-
WW0915	Pump Station #6 Improvements	4	40,000	-	40,000	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	5	600,000	-	-	50,000	150,000	400,000	-
WW0516	WWTP Boiler Replacement	6	115,000	-	-	-	-	45,000	-
WW1215	Shane Park Sewer Separation	PL	280,000	-	-	-	-	-	-
WW0216	Washington Street Sewer Lateral	PL	70,000	-	-	-	-	-	-
WW1115	1st & 2nd Streets Alley Sewer Separation	PL	120,000	-	-	-	-	-	-
WW0416	Sewer Line Infiltration Reduction	PL	300,000	-	-	-	-	-	-
WW0110	Aeration Blower Replacement	PL	550,000	-	-	-	-	-	-
WW0608	Waste Activated Sludge Thickening WWTP	PL	1,500,000	-	-	-	-	-	-
WW1315	Pine Hill Sewer Separation	PL	275,000	-	-	-	-	-	-
Total Wastewater			7,779,426	1,345,000	1,880,000	50,000	650,000	445,000	-
SOLID WASTE									
SW0112	Decant Facility at Transfer Station	1	932,554	750,000	-	-	-	-	-
SW0217	Landfill Flare Replacement	2	95,000	20,000	75,000	-	-	-	-
Total Solid Waste			1,027,554	770,000	75,000	-	-	-	-
STORMWATER									
DR0213	H' Street Stormwater Outfall	A	510,000	110,000	-	-	-	-	-
DR0404	Canyon Edge & Ahlvers Stormwater	1	2,425,000	75,000	-	-	-	-	-
DR0117	Peabody Street Water Quality Project	2	620,000	20,000	600,000	-	-	-	-
DR0115	Liberty Street Stormwater Improvement	3	2,035,000	-	-	135,000	1,000,000	-	-
DR0304	Laurel Street and US 101 Stormwater	4	75,000	-	-	-	-	-	75,000
DR0804	Lincoln Park/Big Boy Pond Study	5	200,000	-	-	-	-	-	100,000
DR0112	Valley Creek Culvert and Outfall	PL	600,000	-	-	-	-	-	-
Total Stormwater Drainage			6,465,000	205,000	600,000	135,000	1,000,000	-	175,000
EQUIPMENT SERVICES									
Finance				20,400	62,400	-	-	-	-
Community Development				-	-	-	-	35,200	35,840
Police				148,500	151,200	154,200	157,200	160,200	162,900
Fire & Medic 1				244,700	41,800	-	-	-	585,000
Parks & Recreation				76,500	148,200	-	20,500	30,700	92,400
Engineering				-	27,000	-	-	-	-
Electric				-	353,600	111,400	43,200	33,000	-
Water				280,500	-	38,200	148,000	71,500	56,000
Wastewater				-	62,400	-	-	112,200	53,800
Solid Waste				398,800	41,600	394,300	-	381,700	-
Stormwater				-	-	-	78,000	-	-
Conservation				-	-	-	-	-	-
Equipment Services				38,800	78,000	-	68,000	165,000	7,700
Information Services				-	-	-	-	-	-
Streets				20,400	390,000	196,100	162,000	264,000	126,600
Total Equipment Services Replacement				1,228,600	1,356,200	894,200	676,900	1,253,500	1,120,240

TBD = Transportation Benefit District
 PL = Parking Lot (unfunded projects)
 A = Currently Active Project



Project#	Project Name	Rank	Total Project Cost	2018	2019	2020	2021	2022	2023
INFORMATION TECHNOLOGY									
IT0214	Records Management System	A	291,457	62,500	-	-	-	-	-
IT0114	Voice and Data Equipment	A	326,581	68,000	-	-	-	-	-
IT0913	I-Series SunGard System Upgrade/HA Redu	A	500,000	-	-	-	-	250,000	-
IT0215	Phone System Capacity Upgrade Project	A	300,000	90,000	90,000	-	-	-	-
IT0816	Facility and Class Management Scheduling	A	23,800	-	6,300	-	-	-	-
IT0717	SunGard Edge Software Upgrade	1	100,000	100,000	-	-	-	-	-
IT0217	SCADA Server Replacements	2	90,000	90,000	-	-	-	-	-
IT0317	Phone System 911 Interface	3	55,000	55,000	-	-	-	-	-
IT1016	Remote Access	4	7,500	7,500	-	-	-	-	-
IT0517	EOC Operational Support	5	175,000	-	150,000	25,000	-	-	-
IT0117	Server Replacements	6	525,000	-	-	-	-	100,000	100,000
IT0417	Fire EOC Data/Communication Center	7	65,000	-	65,000	-	-	-	-
IT0714	Data Backup Systems Replacement	8	300,000	-	-	300,000	-	-	-
IT0514	Data Storage Array Systems	9	450,000	-	-	150,000	100,000	100,000	100,000
IT0216	Business License System	PL	125,000	-	-	-	-	-	-
IT0616	Collaboration Tool	PL	62,500	-	-	-	-	-	-
IT0617	SunGard Executime Scheduling Module	PL	75,000	-	-	-	-	-	-
IT1213	Enterprise System Upgrade/Replace	PL	3,200,000	-	-	-	-	-	-
IT0716	ERP Road Map Maintenance	PL	62,500	-	-	-	-	-	-
Total Information Technologies			6,734,338	473,000	311,300	475,000	100,000	450,000	200,000

TBD = Transportation Benefit District
 PL = Parking Lot (unfunded projects)
 A = Currently Active Project



Project#	Project Name	Rank	Total Project Cost	2018	2019	2020	2021	2022	2023
TRANSPORTATION IMPROVEMENT PLAN									
TR0111	Marine Drive Channel Bridge	1	673,617	589,600	-	-	-	-	-
TR0414	Peabody Creek/Lincoln St Culvert Repair	3	3,446,300	446,300	3,000,000	-	-	-	-
TR1100	10th Street Reconstruction	5	895,000	875,000	-	-	-	-	-
TR0416	1St/2nd/Valley/Oak Green Alley	6	470,000	20,000	450,000	-	-	-	-
TR1216	5th and Liberty Solar Speed Display	7	50,000	-	50,000	-	-	-	-
TR1299	Park Avenue Chip Seal	8	130,000	130,000	-	-	-	-	-
TR0314	Ennis Creek Culvert Replacement	9	525,000	125,000	400,000	-	-	-	-
TR1516	Peabody Street Chip Seal	10	125,000	-	125,000	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	11	780,000	650,000	-	-	-	-	-
TR0715	16th Street LID	12	1,060,000	-	-	900,000	-	-	-
TR0517	6th/7th Alley (Francis to Washington)	13	200,000	-	-	200,000	-	-	-
TR0317	Chase Street Vicinity Chipseal	14	320,000	-	-	-	320,000	-	-
TR0417	Ennis Street Pavement Repair	15	70,000	-	-	-	-	70,000	-
TR1416	Hamilton School Walking Routes	16	210,000	-	-	-	-	10,000	200,000
TR1215	City Hall East Parking Lot LID	17	602,000	-	-	-	-	500,000	-
TR0101	Laurel Street Stairs Replacement	18	375,000	25,000	-	-	-	-	-
TR0909	Port Angeles Tourism Wayfinding and Sign:	19	200,000	100,000	-	-	-	-	-
TR1200	10th Street Overlay (M to I)	TBD 20	325,000	-	-	-	-	-	-
TR0616	ADA - Francis Street	TBD 21	300,000	-	-	-	-	-	-
TR1116	School Area Speed Signs (Near Franklin)	TBD 22	50,000	-	-	-	-	-	-
TR0115	N Street (5th to 15th) - Chip Seal	TBD 23	300,000	-	-	-	-	-	-
TR0515	Lauridsen Blvd Overlay	TBD 24	550,000	-	-	-	-	-	-
TR0117	Liberty Street Reconstruction	TBD 25	450,000	-	-	-	-	-	-
TR0316	8th Street (C to I) Chip Seal	TBD 26	200,000	-	-	-	-	-	-
TR0615	Golf Course Road Chip Seal	TBD 27	175,000	-	-	-	-	-	-
TR0215	Peabody Street Chip Seal	TBD 28	200,000	-	-	-	-	-	-
TR0716	ADA - Peabody Street	TBD 29	300,000	-	-	-	-	-	-
TR0915	Park Avenue Paving Overlay	TBD 30	375,000	-	-	-	-	-	-
TR0315	Peabody Street Chip Seal	TBD 31	125,000	-	-	-	-	-	-
TR0217	Lauridsen Blvd Traffic Calming	TBD 32	300,000	-	-	-	-	-	-
TR1316	Traffic Control	TBD 33	300,000	-	-	-	-	-	-
TR0499	Laurel St/Ahlvers Road Overlay	PL 34	400,000	-	-	-	-	-	-
TR0113	Waterfront Redevelopment	PL 35	8,100,000	-	-	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	PL 36	725,000	-	-	-	-	-	-
TR0816	ADA - Cherry Street	TBD 37	300,000	-	-	-	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersec	PL 38	1,950,016	-	-	-	-	-	-
TR0916	ADA - Oak & Laurel Streets	TBD 39	300,000	-	-	-	-	-	-
TR0208	Alternate Cross Town Route Study	PL 40	284,072	-	-	-	-	-	-
TR0212	Caroline Street Slide Repair	PL 41	375,000	-	-	-	-	-	-
TR1016	18th Street Bike Accessibility	TBD 42	700,000	-	-	-	-	-	-
TR0104	2nd and Valley Pavement Restoration	PL 43	550,000	-	-	-	-	-	-
TR0815	Old Mill Road Paving	PL 44	375,000	-	-	-	-	-	-
TR1009	1st, Front & Race Street Nodes	PL 45	433,632	-	-	-	-	-	-
TR0516	Nancy Lane Pavement	PL 46	200,000	-	-	-	-	-	-
TR0506	Valley Creek Trail Loop	PL 47	100,000	-	-	-	-	-	-
TR0308	O Street Improvements	PL 48	1,500,000	-	-	-	-	-	-
TR1015	Cherry Street Area Chip Seal	PL 49	750,000	-	-	-	-	-	-
TR0599	Hill Street Intersection	PL 50	485,000	-	-	-	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	PL 51	6,000,000	-	-	-	-	-	-
Total Transportation Improvement Plan			37,609,637	2,960,900	4,025,000	1,100,000	320,000	580,000	200,000

TBD = Transportation Benefit District
 PL = Parking Lot (unfunded projects)
 A = Currently Active Project



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, then directors, then 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, Transportation, 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.

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. The City of Port Angeles has also chosen to include large infrequent operating costs in order to track those items in our financial planning, and items that will need to be considered for future plans, also so they are not forgotten in the future.

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.

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.



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 Manager, City Council, citizens and staff representatives. 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.



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
- Variable high cost maintenance items that occur infrequently
- 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).

You will notice that by definition some of these items are not capital in nature and would not be included in most CFP/TIP plans, but the City includes maintenance items of infrequent nature so 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
Through out 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
February		Staff enter and update project information, adding new products	
	ENTER		
March		Projects reviewed by staff and forwarded to Management	Council priority setting process based on input from the community and staff
	PRIORITIZE		
April		Projects reviewed by Management Management prioritization of projects and first draft First draft to department heads for prioritization Department heads and City Manager complete prioritization Roll Budget from Prior Year	Set public hearing date Council priority setting process based on input from community and staff Council committee review initial draft and begin prioritization
	FORMAL COUNCIL & PUBLIC INPUT BEGINS		
May	Initial public hearing on proposed CFP/TIP includes council workshop Additional public hearing(s) on proposed CFP	State Environmental Protection Agency Update due Introduction of CFP/TIP to City Council	Council workshop & public meetings as needed Public Hearings Close public hearings and pass resolution on CFP/TIP
	BUDGET PROCESS BEGINS		
June		Transportation Improvement Plan filed with the State	
	PRIORITIZATION OF CAPITAL SPENDING		
July	Community wide input	Budgeting for next year begins	
	BUDGET APPROVED		
August through December	Community discussion, input, and priority setting Survey results	Management recommendation for spending presented to Council	City Council discussion at open City Council meetings Council finalize priorities Budget allocation for capital projects



2017 CALENDAR OF EVENTS

Capital Facilities Plan Timeline Kickoff Roles and responsibilities Review coordination with next year Operating Plan Kickoff with Senior Management	January 4th
Training Department training provided by Finance (as needed)	January 5th to 13th
Capital Facility Plan Development Management/Division Level 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 & Maintenance costs * Address missing items on forms from prior submissions Develop preliminary departmental priorities	January 5th January 5th to February 1st February 1st
Department Head review * Director Level Review and approval	February 1st February 15th
Submission to Finance	February 16th
Compilation of CFP Document by Finance Cash flows Set meetings for review with City Manager	February 17th to March 1st
City Manager Review City Manager review with Department Heads and Leadership Team • Transportation • Utilities - Electric • Utilities - Waste, Storm and Water, Solid Waste • IT • Equipment Services Include change in priority and funding availability If needed Second Round of Discussions	March 2nd to 24th March 2nd 9:30am March 2nd 10:30am March 6th 2:00pm March 7th 11:00am March 13th 1:30pm March 14th to 25th
Final Revisions to CFP Document	March 25th to April 11th
Preliminary CFP/TIP document to City Council & UAC	April 12th
CFP/TIP briefing to City Council Precouncil presentation and discussion	May 2nd
Council Presentation and Public Hearing CFP 1st reading and public hearing	May 2nd
Council and Public Hearing CFP 2nd reading and public hearing CFP approval/or move forward to next meeting	May 16th
Public Works filing of TIP with State of Washington Deadline for Transportation filing with Washington State	June 30th



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 15% to 25% of operating expenses, and utility reserves increased to 100 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 2016

Debt Margin Calculations	
Debt Limit	\$ 115,269,083
Total Applicable to voter debt	-
Non-Voted Limit @1.5% (Councilmanic):	
General Obligation Bonds	(11,201,027)
Public Works Trust Fund Loans	(321,708)
Compensated absences	(1,712,723)
Less amounts set aside for repayment of general	791,805
Legal Debt Margin	\$ 102,825,430
2016 Assessed Valuation	
Assessed Valuation per Clallam County for 2016	\$ 1,536,921,111

Legal Debt Margin Calculation	%	Debt Used	Debt Available
Available Public Works Government (voted)	1%	15,369,211	-
Available for Councilmanic (non-voted)	2%	23,053,817	(12,443,653)
Available for Parks (voted)	3%	38,423,028	-
Available for Public Works (voted)	3%	38,423,028	-
Debit Limits	\$	115,269,083	\$(12,443,653)
		\$	102,825,430



The City has used \$12.4 million of its \$23 million councilmanic capacity leaving approximately \$10.6 million or 46% of non-voted debt capacity. The full amount of voted obligation bonds remain available at over \$92 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
2017	\$ 204,224	\$ 461,281	\$ 80,427	\$ 3,217	\$ 284,651	\$ 464,498
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
2022-2026	2,428,000	1,497,417	-	-	2,428,000	1,497,417
2027-2031	1,905,000	1,096,725	-	-	1,905,000	1,096,725
2032-2036	2,355,000	637,500	-	-	2,355,000	637,500
2037-2039	1,665,000	134,800	-	-	1,665,000	134,800
TOTAL	\$ 11,201,027	\$ 5,548,237	\$ 321,708	\$ 8,043	\$ 11,522,735	\$ 5,556,280

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
2017	1,195,000	1,119,930	1,555,603	533,021	432,058	321,287	3,182,661	1,974,238
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
2022-2026	7,315,000	3,652,956	9,699,006	2,079,498	3,106,938	471,449	20,120,944	6,203,904
2027-2031	6,385,000	2,311,313	7,632,706	1,213,832	-	-	14,017,706	3,525,144
2032-2036	5,455,000	973,988	5,460,773	356,836	-	-	10,915,773	1,330,824
2037-2039	1,640,000	145,469	-	-	-	-	1,640,000	145,469
TOTAL	\$ 27,845,000	\$ 12,183,643	\$ 32,001,175	\$ 6,426,717	\$ 5,550,663	\$ 1,794,449	\$ 65,396,838	\$ 20,404,808



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
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. **Closed Projects** – listing of recently closed projects.
12. **Comp Plan** – linking CFP to Comprehensive Plan.

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.

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 Utilities Projects 2018

- a) Whidby Avenue Main
- b) Wastewater Pump Station #3
- c) Wastewater Treatment Plant equipment
- d) Wastewater Pump Station #5
- e) Canyon Edge Stormwater
- f) Port Angeles Landfill
 - a) Decant Facility
 - b) Flare Replacement
- g) Peabody Creek water quality
- h) H St Stormwater
- i) Marine channel bridge crossing (water, wastewater)
- j) 24" Water transmission main (Milwaukee)
- k) Liberty St water main
- l) Ennis Creek force main removal
- m) Light Ops building design
- n) College Street substation

CITYWIDE:

Electric

- Overhead
- Underground cable



CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN



GOVERNMENT PROJECTS



City of Port Angeles Governmental Projects 2018

Citywide Projects:

- ❖ NICE Program
- ❖ Alley Paving
- ❖ ODT Heritage Interpretive Sign/ Tourism Signage
- ❖ Restroom replacements

- a) Calisthenic Park
- b) Marine Drive Channel Bridge
- c) Peabody & Ennis Creek Culvert
- d) Tenth Street
- e) Laurel Street stairway
- f) Marine Drive bulkhead
- g) Park Ave Chip Seal
- h) 1st/2nd/Oak St alleys
- i) Fire Hall Projects
 - ❖ Fire Hall HVAC
 - ❖ Living Area
 - ❖ Turnout gear
 - ❖ Defibrillators
 - ❖ Fire Hoses

City Hall Projects

- ❖ Records Management
- ❖ Remote access from field
- ❖ Edge program upgrade
- ❖ Phone 911 interface
- ❖ Phone system upgrade
- ❖ SCADA Server replacements
- ❖ MDTs for Police vehicles
- ❖ Proximity Access

Corporation Yard Projects

- ❖ Vehicles



GENERAL GOVERNMENT PROJECTS

CFP YEAR: 2018 - 2023
 MANAGER: DAN MCKEEN
 CONTACT: DMCKEEN@CITYOFPA.US
 PHONE: 360-417-4500

Comprehensive Plan Objectives Met:
VII Goal A - provide services and facilities
VII Goal B - support services with the assistance of outside agencies
VII Goal C - provide safe, clean, usable and attractive public facilities
VII Goal D - efficient utility services in a cost effective and effective manner
VII Goal E - provide customer service with honesty, integrity and flexibility

PROJECTS COMPLETED IN 2016	CFP COSTS	BUDGET
GG0116 AC for Training Room	4,827	25,000
PK0314 Civic Field Lighting	563,582	562,700
FD0314 Fire Dept Emergency Radio Upgrade	64,762	64,800
CAPPC Pencom Capital	26,889	96,200
CAPGF Operating Equipment	11,675	41,400
GG0216 ACOE Ediz Hook Rip Rap	182,000	182,000
TOTAL COMPLETED PROJECTS	633,170	

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 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ 150,000	\$ 127,200	\$ 136,200	\$ 102,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
Grants	-	-	483,000	50,000	21,000	25,000	28,000	-	-
Use of Capital Reserves	-	-	-	-	-	-	-	-	-
General Fund Reserves	224,725	160,975	142,300	186,500	287,500	137,500	212,500	137,500	112,500
Donations/Insurance	30,000	94,000	-	45,000	-	-	-	-	-
REET/Lodging Tax	96,000	-	250,800	40,000	-	-	-	-	-
TOTAL	\$ 500,725	\$ 382,175	\$ 1,012,300	\$ 423,500	\$ 383,500	\$ 237,500	\$ 315,500	\$ 212,500	\$ 187,500

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	12,000	-	-	-	-	-	-
Construction	279,985	39,539	1,419,500	398,500	408,500	237,500	315,500	212,500	212,500
TOTAL	\$ 279,985	\$ 39,539	\$ 1,431,500	\$ 398,500	\$ 408,500	\$ 237,500	\$ 315,500	\$ 212,500	\$ 212,500

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	2,298	4,614	77,177	92,520	106,170	111,970	122,770	128,870
Other - monitoring contract	-	840	840	840	840	840	840	840
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ 2,298	\$ 5,454	\$ 78,017	\$ 93,360	\$ 107,010	\$ 112,810	\$ 123,610	\$ 129,710

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



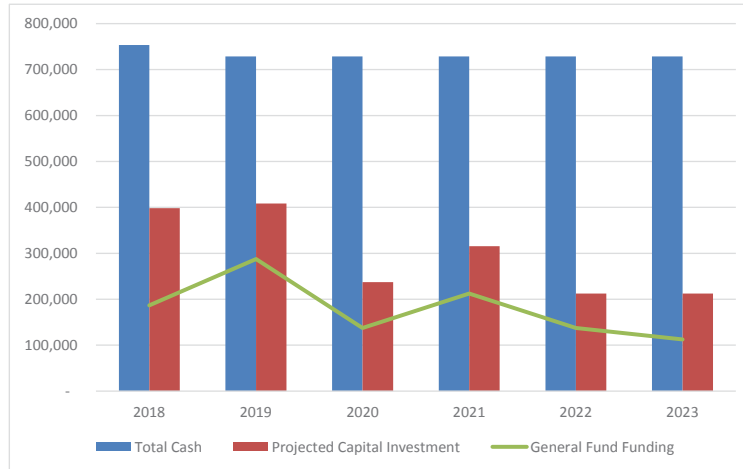
GENERAL GOVERNMENT PROJECT LIST & CASH FLOW

Project Title	Rank	Total Project	Prior Years	Actual 2016	Budget 2017	CAPITAL FACILITIES PLAN					
						2018	2019	2020	2021	2022	2023
GENERAL GOVERNMENT											
GG0303 NICE Program	1	839,320	139,320	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000
CAPGF General Government Capital	A	41,400	29,725	11,675	-	-	-	-	-	-	-
GG1502 NOAA/Feiro Facility	PL	12,600,000	-	-	-	-	-	-	-	-	-
GG0117 Olympic Discovery Trail Heritage Interpretive Signs	2	52,000	-	-	12,000	40,000	-	-	-	-	-
PUBLIC SAFETY											
FD0116 Breathing Apparatus	1	220,000	-	-	220,000	-	-	-	-	-	-
PD0116 Mobile Data Terminal Replacements	2	140,000	-	-	16,000	50,000	21,000	25,000	28,000	-	-
GG0616 Fire Hall HVAC/ Heater	3	36,000	-	-	36,000	-	-	-	-	-	-
FD0315 Fire Station Garage Door Replacement	4	50,000	-	-	-	-	50,000	-	-	-	-
FD0415 Fire Dept Turn-Out Gear	5	140,000	-	-	35,000	17,500	17,500	17,500	17,500	17,500	17,500
FD0615 Fire Hoses	7	30,000	-	-	-	5,000	5,000	5,000	5,000	5,000	5,000
GG0716 Fire Hall Living Area Repairs	8	40,000	-	-	20,000	20,000	-	-	-	-	-
FD0115 Fire Station Generator/Electrical Upgrades	A	23,991	-	11,691	12,300	-	-	-	-	-	-
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	120,000	-	-	-	-	-	-	-	-	-
FD0799 West Side Fire Station	PL	2,125,000	-	-	-	-	-	-	-	-	-
PD0307 Police Regional Training Facility	PL	265,000	-	-	-	-	-	-	-	-	-
PARKS AND FACILITIES											
PK1106 City Pier Floats	1	365,000	-	-	365,000	-	-	-	-	-	-
GG1113 Proximity Access Control	2	151,563	-	563	120,000	31,000	-	-	-	-	-
PK0205 Restroom Replacement Program	3	450,000	-	-	-	75,000	75,000	75,000	75,000	75,000	75,000
GG0817 Conference Room Chairs	4	30,000	-	-	30,000	-	-	-	-	-	-
PK0216 Facility Improvement Revolving Fund	5	120,000	-	-	30,000	15,000	15,000	15,000	15,000	15,000	15,000
GG0516 Senior Center Fire Suppression System	6	50,000	-	-	-	-	50,000	-	-	-	-
GG0416 City Hall Fire Suppression System	7	75,000	-	-	-	-	75,000	-	-	-	-
PK0115 City Hall Camera	8	75,000	-	-	-	-	-	-	75,000	-	-
PK0417 Calisthenic Park	9	45,000	-	-	-	45,000	-	-	-	-	-
PK0317 Civic Field Home Run Fence	A	69,800	-	-	69,800	-	-	-	-	-	-
GG0316 City-wide Alarm System Upgrade	A	30,000	-	-	30,000	-	-	-	-	-	-
PK0217 Civic Field Improvements	A	217,000	-	-	217,000	-	-	-	-	-	-
PK0214 Erickson Playfield Camera	A	40,000	-	-	40,000	-	-	-	-	-	-
PK9916 Georgiana Park Playground Replacement	A	94,010	-	15,610	78,400	-	-	-	-	-	-
GG0916 Valley Creek Restoration phase 3	PL	2,110,940	110,940	-	-	-	-	-	-	-	-
PK0110 Civic Field Upgrades	PL	500,000	-	-	-	-	-	-	-	-	-
PK0307 Erickson Tennis Court Lighting	PL	80,000	-	-	-	-	-	-	-	-	-
PK0316 Locomotive #4 Refurbishment	PL	50,000	-	-	-	-	-	-	-	-	-
PK0406 Shane & Elks Field Lighting	PL	300,000	-	-	-	-	-	-	-	-	-
PK0412 Lincoln Park Development phase 1A	PL	6,700,000	-	-	-	-	-	-	-	-	-
PK0414 Lincoln Park Development phase 1B	PL	7,400,000	-	-	-	-	-	-	-	-	-
PK0802 Neighborhood Park Development	PL	500,000	-	-	-	-	-	-	-	-	-
		36,576,024	279,985	39,539	1,431,500	398,500	408,500	237,500	315,500	212,500	212,500

PL (Parking Lot) Total = \$33,603,000



GENERAL GOVERNMENT CASH FLOW



CASH FLOW ANALYSIS		Budget 2017	2018	2019	2020	2021	2022	2023
Beginning balance		1,147,617	728,417	753,417	728,417	728,417	728,417	728,417
Funding sources:								
Utilities	136,200	102,000	75,000	75,000	75,000	75,000	75,000	75,000
Grants	483,000	50,000	21,000	25,000	28,000	-	-	-
Existing Capital Reserves	-	-	-	-	-	-	-	-
General Fund Funding	142,300	186,500	287,500	137,500	212,500	137,500	112,500	
Donations	-	45,000	-	-	-	-	-	-
Other Funds	250,800	40,000	-	-	-	-	-	-
Projected Capital Investment	(1,431,500)	(398,500)	(408,500)	(237,500)	(315,500)	(212,500)	(212,500)	
Total Cash	1,147,617	728,417	753,417	728,417	728,417	728,417	728,417	728,417
Reserved for:								
NICE program	326,684	426,684	426,684	426,684	426,684	426,684	426,684	426,684
PRD	72,000	72,000	72,000	72,000	72,000	72,000	72,000	72,000
Fire Equipment	-	7,500	4,500	12,000	19,500	9,500	17,000	32,000
Total Management reserves	398,684	506,184	503,184	510,684	518,184	508,184	515,684	523,184
NET Available Cash balance	(398,684)	641,433	225,233	242,733	210,233	220,233	212,733	212,733
Projected Depreciation	909,259	911,557	916,171	993,348	1,085,868	1,192,038	1,304,008	1,426,778
Cash to depreciation ratio	-44%	70%	25%	24%	19%	18%	16%	15%

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

Comprehensive Plan Objectives Met:
 VII - Utilities and Public Service Goal A, B3

Maintenance Cost Descriptions:
 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.

JUSTIFICATION:

To provide quicker call out times to residents.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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: KEN DUBUC

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B ₃

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

ABOUT THE PROJECT:

The current generator is undersized and can not carry the full electrical load of the Fire Station. In addition, the current generator is wired incorrectly, creating a potential safety hazard for utility personnel. The generator no longer meets emission standards.

JUSTIFICATION:

Alternatives are to rewire the existing generator to remedy the safety issue, rewire the building to reduce load requirements, or replace the generator with the proper size generator to meet load requirements. The replacement option has been initially approved for consideration by the Washington State Hazard Mitigation Grant Program at \$120,000 with an estimated 20% match requirement. The current project will address rewiring only.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	24,000	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 24,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	11,691	12,300	-	-	-	-	-	-
TOTAL	\$ -	\$ 11,691	\$ 12,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	468	960	960	960	960	960	960
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ 468	\$ 960	\$ 960	\$ 960	\$ 960	\$ 960	\$ 960

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

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

ABOUT THE PROJECT:

Replacement of the breathing apparatus due to aging equipment. In the Parking Lot until the grant is confirmed \$208,000.

JUSTIFICATION:

Sponsored 95% by a grant with a 5% match. This allows the Fire Department to remain in compliance with replacement schedules. Current equipment is fully depreciated.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	198,000	-	-	-	-	-	-
Existing Capital Reserves	-	-	-	-	-	-	-	-	-
General Fund	-	-	22,000	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 220,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	220,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 220,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	22,000	22,000	22,000	22,000	22,000	22,000
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



FIRE STATION GARAGE DOOR REPLACEMENT

FD0315

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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

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

ABOUT THE PROJECT:

Replacement of garage doors at the Fire Station.

JUSTIFICATION:

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

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	50,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	50,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	2,000	2,000	2,000	2,000
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000

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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

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

	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Revolving fund for replacement of operating items

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	35,000	17,500	17,500	17,500	17,500	17,500	17,500
TOTAL	\$ -	\$ -	\$ 35,000	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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 Ith 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Revolving fund for replacement of operating items

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	5,000	-	5,000	5,000	5,000	5,000	5,000	5,000
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	5,000	5,000	5,000	5,000	5,000	5,000
TOTAL	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Not Applicable

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2019	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



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

<i>Comprehensive Plan Objectives Met:</i>
Land Use B, F

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

ABOUT THE PROJECT:
 Small projects tracked in General Fund.

JUSTIFICATION:
 Typically operating needs determine these capital purchases.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	29,725	11,675	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 29,725	\$ 11,675	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	29,725	11,675	-	-	-	-	-	-	-
TOTAL	\$ 29,725	\$ 11,675	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	1,189	2,356	2,356	2,356	2,356	2,356	2,356	2,356
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ 1,189	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 UNKNOWN AT THIS TIME
 PROJECT MANAGER: ALLYSON BREKKE

<i>Comprehensive Plan Objectives Met:</i>
VI - Transportation Goal A, Policy 9, Objectives 1, 5, 6 X - Capital Facilities Goal A, Policy 17

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

ABOUT THE PROJECT:

The ODT Heritage Tourism Interpretive Signage project is intended to highlight the City of Port Angeles’ diverse collection of natural and cultural history through interpretive signs that are strategically place along the approximately 14 miles of the ODT that is City owned and/or maintained. First phase: identify sites, design and number of signs. Phase 2: installation. Phase 3: Mobile tour component.

JUSTIFICATION:

To promote tourism by distributing information for the purpose of welcoming and supporting the approximately 300,000 to 4000,000 pedestrian and bike travelers along the ODT on an annual basis. Existing interpretive signs need to be replaced because they are either aged or vandalized. In 2016 Lodging Tax Funds were awarded by Council for design of the replacement signs.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	29,725	11,675	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 29,725	\$ 11,675	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	29,725	11,675	-	-	-	-	-	-	-
TOTAL	\$ 29,725	\$ 11,675	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	1,189	2,356	2,356	2,356	2,356	2,356	2,356	2,356
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ 1,189	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356	\$ 2,356

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



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

Comprehensive Plan Objectives Met:
 Comprehensive Plan Utilities and Public Services
 Goals A, B, C, D, E
 Economic Growth A, B, D

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

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ 150,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	50,000	25,000	-	25,000	25,000	25,000	25,000	25,000	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 200,000	\$ 100,000	\$ 75,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 75,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	139,320	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000
TOTAL	\$ 139,320	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

<i>Comprehensive Plan Objectives Met:</i>
Public and Employee safety through better communications

<i>Maintenance Cost Descriptions:</i>
Estimated life 15 years
Monitoring costs are expected to be \$840 a month

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	30,000	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	30,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,000	2,000	2,000	2,000	2,000	2,000
Other -Monitoring	-	840	840	840	840	840	840	840
TOTAL OTHER COSTS	\$ -	\$ 840	\$ 2,840	\$ 2,840	\$ 2,840	\$ 2,840	\$ 2,840	\$ 2,840

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: COREY DELIKAT

<i>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utilities A, B, C, D, E, F

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2019	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	75,000	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	75,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,750	3,750	3,750	3,750
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ 3,750	\$ 3,750	\$ 3,750	\$ 3,750

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



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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Service Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2019	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	25,000	25,000	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	50,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	2,500	2,500	2,500	2,500
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500

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: COREY DELIKAT

<i>Comprehensive Plan Objectives Met:</i>
Not addressed in Comprehensive Plan

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2019	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	36,000	-	-	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	36,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,800	1,800	1,800	1,800	1,800	1,800
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800

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: COREY DELIKAT

Comprehensive Plan Objectives Met:
 VII - Utilities and Public Service Goal A, B3

Maintenance Cost Descriptions:
 Estimated life 20 years

ABOUT THE PROJECT:

Replace cabinets and counters in the kitchen in the Fire Station and replace carpeting. Also need to replace three refrigerators. This will be done over two years to spread the costs.

JUSTIFICATION:

The current kitchen cabinets, counters and carpeting are in need of replacement.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	20,000	20,000	-	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	20,000	20,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,000	2,000	2,000	2,000	2,000	2,000
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 1,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000

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



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 CITY HALL
 PROJECT MANAGER: COREY DELIKAT

<i>Comprehensive Plan Objectives Met:</i>
Provide facilities for improved employee training

<i>Maintenance Cost Descriptions:</i>
Not applicable

ABOUT THE PROJECT:

Purchase stackable chairs for use in the conference rooms at Vern Burton and the Public Works Conference room. 48 Chairs at \$250 for Vern Burton funded from Lodging tax, and 36 Chairs for City Hall conference rooms funded from the General Fund and Utilities in the Public Works meeting rooms.

JUSTIFICATION:

Current seating is falling apart and well past its' usable life, creating a safety issue.

	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants (.1% sales tax)	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	9,000	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
From Lodging Tax Fund	-	-	12,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	30,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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>Comprehensive Plan Objectives Met:</i>
V - Land Use J

<i>Maintenance Cost Descriptions:</i>
Estimated life 100 years

ABOUT THE PROJECT:

Create in-stream habitat for fish passage by: 1) finish remaining 1000' of streambed from 9th to 5th Street; 2) remove 400' of culvert. In the parking lot until funding can be identified with estimated costs of \$2,000,000.

JUSTIFICATION:

Funded by Washington State Recreation and Conservation grants to allow salmon to recover spawning beds in Valley Creek.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	115,000	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 115,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	110,940	-	-	-	-	-	-	-	-
TOTAL	\$ 110,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109
Other - Transfers match	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ 1,109	\$ 1,109	\$ 1,109	\$ 1,109	\$ 1,109	\$ 1,109	\$ 1,109	\$ 1,109

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>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utilities A, B, C, D, E, F

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ 52,200	\$ 52,200	\$ 27,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	7,800	7,800	4,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 60,000	\$ 60,000	\$ 31,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	563	120,000	31,000	-	-	-	-	-
TOTAL	\$ -	\$ 563	\$ 120,000	\$ 31,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	56	12,056	15,156	15,156	15,156	15,156	15,156
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ 56	\$ 12,056	\$ 15,156	\$ 15,156	\$ 15,156	\$ 15,156	\$ 15,156

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.121446391, -123.435032834
 PROJECT MANAGER: NATHAN WEST

<i>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utilities A, B, C, D, E, F Encourage economic growth

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

ABOUT THE PROJECT:

Develop a shared downtown facility to expand the programs of the Feiro Marine Life Center, NOAA’s Olympic Coast National Marine Sanctuary, and the City’s Downtown Waterfront Redevelopment efforts. \$12,600,000 is placed in the parking lot until funding can be identified.

JUSTIFICATION:

A shared facility will promote and reinforce the Feiro’s, NOAA’s and the City’s common pursuits of ocean research, education and advocacy. The facility will be an iconic gathering place for the community which will coordinate with the City’s ongoing Waterfront Development project.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Grants	-	-	-	-	-	-	-		
Bonds	-	-	-	-	-	-	-		
General Fund	-	-	-	-	-	-	-		
Donations/Insurance	-	-	-	-	-	-	-		
Other Funds	-	-	-	-	-	-	-		
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-		
Construction	-	-	-	-	-	-	-		
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



MOBILE DATA TERMINAL REPLACEMENTS

PD0116

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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Services Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	16,000	50,000	21,000	25,000	28,000	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 16,000	\$ 50,000	\$ 21,000	\$ 25,000	\$ 28,000	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	16,000	50,000	21,000	25,000	28,000	-	-
TOTAL	\$ -	\$ -	\$ 16,000	\$ 50,000	\$ 21,000	\$ 25,000	\$ 28,000	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,600	6,600	8,700	11,200	11,200	11,200
Other - Transfers match	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 1,600	\$ 6,600	\$ 8,700	\$ 11,200	\$ 11,200	\$ 11,200

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Services Goal A, B3

<i>Maintenance Cost Descriptions:</i>
No maintenance calculated for parking lot items

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.

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.

	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



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

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

<i>Maintenance Cost Descriptions:</i>
Not applicable

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. These improvements include drainage, ADA, synthetic turf, spectator seating, fencing, backstops, dugouts, PA system, facility access, locker rooms, restrooms, concession stand, scoreboard, storage, parking lot, and exterior painting, \$500,000 in parking lot.

JUSTIFICATION:

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

	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
From Capital Reserves -GF	-	-	-	-	-	-	-	-	-
From PASD donations	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Services Goal A, B3

<i>Maintenance Cost Descriptions:</i>
Estimated life 10 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	75,000	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	75,000	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	7,500	7,500
Other - Transfers match	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500	\$ 7,500

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



RESTROOM REPLACEMENT PROGRAM

PK0205

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

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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 restroom improvements as a high priority.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	75,000	75,000	75,000	75,000	75,000	75,000
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	75,000	75,000	75,000	75,000	75,000	75,000
TOTAL	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	3,000	6,000	9,000	12,000	15,000
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ 3,000	\$ 6,000	\$ 9,000	\$ 12,000	\$ 15,000

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



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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Services Goal A, B ₃

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

JUSTIFICATION:

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

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	40,000	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	40,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	4,000	4,000	4,000	4,000	4,000	4,000
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000

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



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

Comprehensive Plan Objectives Met:
 Comprehensive Plan Public Utilities A, B, C, D, E, F

Maintenance Cost Descriptions:
 This is a revolving fund used to fund future projects

ABOUT THE PROJECT:

This project is to create a funding source for aging City facilities. The idea is to place \$30,000 into a reserve account and then an additional \$15,000 per year. 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 keep \$100,000 available for these items at all times.

JUSTIFICATION:

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

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	30,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 30,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	30,000	15,000	15,000	15,000	15,000	15,000	15,000
TOTAL	\$ -	\$ -	\$ 30,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	600	900	1,200	1,500	1,800	2,100
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 600	\$ 900	\$ 1,200	\$ 1,500	\$ 1,800	\$ 2,100

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

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

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

ABOUT THE PROJECT:

Replacement of sound system at Civic Field, the roof, painting, dugout and restroom design.

JUSTIFICATION:

Exposure to the elements and age is causing the current system to fail. Funding has been secured from left over funds from the LED field lighting project that was from the City’s General Fund and from funds received from Port Angeles High School.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	30,000	-	-	-	-	-	-	-	-
PAHS Funding	30,000	-	-	-	-	-	-	-	-
Lodging Tax	-	-	157,000	-	-	-	-	-	-
TOTAL	\$ 60,000	\$ -	\$ 157,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	217,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 217,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	6,200	6,200	6,200	6,200	6,200	6,200
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 6,200	\$ 6,200	\$ 6,200	\$ 6,200	\$ 6,200	\$ 6,200

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



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

Comprehensive Plan Objectives Met:
 VII - Utilities and Public Services Goal A, B3

Maintenance Cost Descriptions:
 Estimated life 25 years
 Electricity expense \$20 a month = \$240 a year

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.

	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Electricity	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



LOCOMOTIVE #4 REFURBISHMENT

PK0316

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

Comprehensive Plan Objectives Met:
 Comprehensive Plan Public Utilities A, B, C, D, E, F

Maintenance Cost Descriptions:
 Not Applicable

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



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

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

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

ABOUT THE PROJECT:

The Port Angeles Parks & Recreation Department received \$150,000 in lodging tax funds for infrastructure improvements at Civic Field. One item needing replaced is our home run fence for summer leagues, tournaments, and our collegiate baseball team.

JUSTIFICATION:

The current home run fence at Civic is 17 years old and is in dire need of replacement. It is going to be replaced with a portable six-foot height chain link fencing system on wheels that can be easily setup in a couple hours vs. a couple of weeks with the old fence. With more use at Civic Field, this will allow us to install the fence quickly before June and remove in August so we can do a field renovation before the football season.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2019	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - state RCO	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund - cap reserves	-	-	-	-	-	-	-	-	-
Donations From PASD	-	-	-	-	-	-	-	-	-
From Lodging Tax	-	-	69,800	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 69,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	69,800	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 69,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,792	2,792	2,792	2,792	2,792	2,792
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 2,792	\$ 2,792	\$ 2,792	\$ 2,792	\$ 2,792	\$ 2,792

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>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.115907100, -123.474263800
 PROJECT MANAGER: COREY DELIKAT

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

<i>Maintenance Cost Descriptions:</i>
Not Applicable

ABOUT THE PROJECT:

The Port of Port Angeles Airport Master Plan has identified numerous trees within Lincoln Park obstructing the flight pattern of airplanes landing and taking off from the William R. Fairchild International Airport. The Port approached the City about the removal of trees, which would include \$6.7 million to mitigate the costs with lower canopy trees, shrubs, and additional turf areas. At this time, there are no additional funds for the redevelopment of the park, other than the \$6.7 million for mitigation. An additional \$7.4 million would be needed to complete all of Phase 1 of the project, bringing the total cost for mitigation and Phase 1 of the Lincoln Park Master Plan to \$14.1 million.

JUSTIFICATION:

The Port of Port Angeles has brought forth a plan to remove the majority of the trees at Lincoln Park and offered to pay \$6.7 million to mitigate the park expenses. This does not include any portion of the Lincoln Park Master Plan.

	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.115907100, -123.474263800
 PROJECT MANAGER: COREY DELIKAT

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

<i>Maintenance Cost Descriptions:</i>
Not Applicable

ABOUT THE PROJECT:

The Port of Port Angeles Airport Master Plan has identified numerous trees within Lincoln Park obstructing the flight pattern of airplanes landing and taking off from the William R. Fairchild International Airport. The Port approached the City about the removal of trees, which would include \$6.7 million to mitigate the costs with lower canopy trees, shrubs, and additional turf areas. At this time, there are no additional funds for the redevelopment of the park, other than the \$6.7 million for mitigation. An additional \$7.4 million would be needed to complete all of Phase 1 of the project bringing the total cost for mitigation and Phase 1 of the Lincoln Park Master Plan to \$14.1 million.

JUSTIFICATION:

The Port of Port Angeles has brought forth a plan to remove the majority of the trees at Lincoln Park and offered to pay \$6.7 million to mitigate the park. This does not include funding to help redevelop any of the phases that were developed in the Lincoln Park Master Plan.

	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance/LID	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



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

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

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

ABOUT THE PROJECT:

A community member pitched the idea of a Calisthenic Park at Erickson Playfield to the Park Angeles Parks Commission. The project was well received and fundraising for the project started. Enough money has been raised to purchase the equipment with additional fund raising so installation of a rubber surfacing matting can be included.

JUSTIFICATION:

A community effort project with Parks & Recreation installing the equipment.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance REET	-	-	-	45,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	45,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,800	1,800	1,800	1,800	1,800
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800

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>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	269,000	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET	96,000	-	-	-	-	-	-	-	-
TOTAL	\$ 96,000	\$ -	\$ 269,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	365,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 365,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	14,600	14,600	14,600	14,600	14,600	14,600
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 14,600	\$ 14,600	\$ 14,600	\$ 14,600	\$ 14,600	\$ 14,600

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



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

<i>Comprehensive Plan Objectives Met:</i>
Parks and Recreation A, B Land Use K

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

ABOUT THE PROJECT:

With the construction of the new Olympic Medical Center offices an opportunity to improve the Georgiana Park was presented and accepted by council. The City agreed to invest employee time with purchase of equipment to come from donations.

JUSTIFICATION:

A community effort project with Parks & Recreation installing the equipment.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	94,000	-	-	-	-	-	-	-
REET	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 94,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Equipment & Construction	-	15,610	78,400	-	-	-	-	-	-
TOTAL	\$ -	\$ 15,610	\$ 78,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	624	3,760	3,760	3,760	3,760	3,760	3,760
Other - Transfers match	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ 624	\$ 3,760	\$ 3,760	\$ 3,760	\$ 3,760	\$ 3,760	\$ 3,760

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



CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN





ELECTRIC

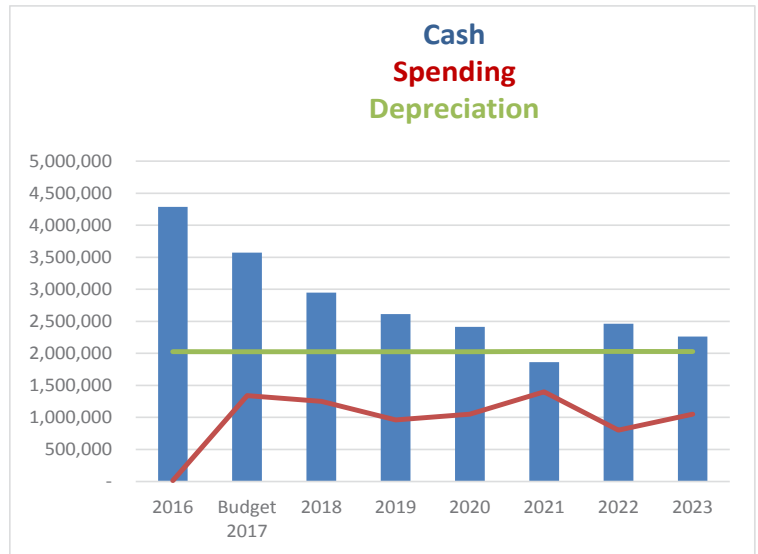


ELECTRIC FUND CAPITAL FACILITY PLAN

CFP YEAR: 2018 - 2023
 MANAGER: SHAILESH SHERE
 CONTACT: SSHERE@CITYOFPA.US
 PHONE: 360-417-4702

Comprehensive Plan Objectives Met:

- X Goal A 1 - provide services and facilities that provide appropriate levels of service
- X Goal 5 - provide for public safety and health.
- X Goal 9 - require concurrency at the time of development for electrical service
- X Goal Policy 3 - The City should develop individual comprehensive service and facility plans for following capital facilities and/or services - Electrical systems



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	Actual 2016	Proposed 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
			2018	2019	2020	2021	2022	2023
Electric Reserves Used	\$ 264,634	\$ 1,046,000	\$ 1,250,000	\$ 960,000	\$ 1,050,000	\$ 1,400,000	\$ 800,000	\$ 1,050,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
TOTAL	\$ 264,634	\$ 1,046,000	\$ 1,250,000	\$ 960,000	\$ 1,050,000	\$ 1,400,000	\$ 800,000	\$ 1,050,000

EXPENDITURES	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	166,000	410,000	90,000	-	-	70,000	-
Construction	14,634	1,173,000	840,000	870,000	1,050,000	1,400,000	730,000	1,050,000
TOTAL	\$ 14,634	\$ 1,339,000	\$ 1,250,000	\$ 960,000	\$ 1,050,000	\$ 1,400,000	\$ 800,000	\$ 1,050,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	199	1,463	39,435	69,649	82,078	109,042	144,042	164,042
Other - explained on individual sheets	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	199	1,463	39,435	69,649	82,078	109,042	144,042	164,042

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



ELECTRIC PROJECT LIST & CASH FLOW

PROJECT TITLE	RANK	TOTAL PROJECT	Prior	Proposed								
			Years	Actual 2016	2017	2018	2019	2020	2021	2022	2023	
ELECTRIC												
CL0117 Replace "A" St & Laurel St Substations Switchgear	1	1,000,000	-	-	1,000,000	-	-	-	-	-	-	-
CL0816 College Street Substation SwitchGear	2	500,000	-	-	-	500,000	-	-	-	-	-	-
CL0316 Underground Cable Replacement	3	1,200,000	-	-	-	200,000	200,000	200,000	200,000	200,000	200,000	200,000
CL0916 Washington Street Substation SwitchGear	4	500,000	-	-	-	-	500,000	-	-	-	-	-
CL0716 "F" Street Transformer	5	1,200,000	-	-	-	-	-	-	1,200,000	-	-	-
CL0202 Feeder Tie Hwy 101, Porter to Golf Course Rd	6	260,000	-	-	-	-	260,000	-	-	-	-	-
CL0313 Pole Replacement Program	7	1,300,000	-	-	-	-	-	650,000	-	-	-	650,000
CL0217 I Street Substation SwitchGear	9	600,000	-	-	-	-	-	-	-	600,000	-	-
CL0414 Construct New Light Ops Building	10	2,600,000	-	-	-	350,000	-	-	-	-	-	-
CL0616 Overhead Reconductoring	A	800,000	-	-	200,000	200,000	-	200,000	-	-	-	200,000
CL0212 Yard & Area Light Replacements	A	99,951	6,951	-	93,000	-	-	-	-	-	-	-
CAPEL Miscellaneous Equipment for Operations	NA	60,634	-	14,634	46,000	-	-	-	-	-	-	-
CL0216 City / PUD Service Area Agreement	PL	400,000	-	-	-	-	-	-	-	-	-	-
		7,420,585	6,951	14,634	1,339,000	1,250,000	960,000	1,050,000	1,400,000	800,000	1,050,000	

CASH FLOW ANALYSIS	2016	Budget 2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance	2,847,343	4,287,099	3,573,099	2,948,099	2,613,099	2,413,099	2,413,099	2,463,099
Funding sources:								
Electric Reserves	1,750,000	625,000	625,000	625,000	850,000	850,000	850,000	850,000
Grants	-	-	-	-	-	-	-	-
Items accrued and paid in current	316,625	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	21,015	-	-	-	-	-	-	-
Operating Capital spending	-	-	-	-	-	-	-	-
Spending:								
Project cost	(14,634)	(1,339,000)	(1,250,000)	(960,000)	(1,050,000)	(1,400,000)	(800,000)	(1,050,000)
Ending Cash Balance	4,287,099	3,573,099	2,948,099	2,613,099	2,413,099	1,863,099	2,463,099	2,263,099
Depreciation	2,026,962	2,027,161	2,027,359	2,027,558	2,027,757	2,027,955	2,027,955	2,028,154
Depreciation to Cash Ratio	2.12	1.76	1.45	1.29	1.19	0.92	1.21	1.12
COSA 2014 amts	1,400,000	625,000	625,000	625,000	850,000	850,000	850,000	850,000

PROJECTS COMPLETED IN 2016		Actual	Budget
CL0314	Land for Light Ops Building	351,139	350,000
CL0206	"A" Street Substation rebuild	669,812	840,200
CAPEL	Electric Grid Analysis Tool	14,634	15,000
TOTAL COMPLETED PROJECTS		1,035,585	1,205,200

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



PROJECT STATUS: ACTIVE
 LATITUDE / LONGITUDE:
 CITYWIDE
 PROJECT MANAGER: ELECTRIC SUPERINTENDENT

<i>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utilities A, B, C, D, E, F

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

ABOUT THE PROJECT:

JUSTIFICATION:

2017 - RTAC - Scada communications - \$15000	Current Scada program has not kept up with upgrades and is no longer supported
2017 - Battery Charges for substations - \$6000	For Substation back up
2017 - Security Fencing for the Pole Yard - \$15000	For the Pole Yard to prevent theft
2017 - System Analysis Software Module - \$10000	Allow for desktop analysis of data

FUNDING SOURCES	PRIOR YEARS	BUDGET 2016	Proposed 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ 14,634	\$ 46,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 14,634	\$ 46,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Equipment	-	-	46,000	-	-	-	-	-	-
Construction	-	14,634	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 14,634	\$ 46,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	1,463	6,063	6,063	6,063	6,063	6,063	6,063
Other - Pay for Operating Study	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	0	1,463	6,063	6,063	6,063	6,063	6,063	6,063

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



REPLACE "A" STREET & LAUREL STREET SUBSTATION SWITCHGEAR CL0117

PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.112139, -123.459353
 PROJECT MANAGER: SHAILESH SHERE

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

<i>Maintenance Cost Descriptions:</i>
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 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
		2018	2019	2020	2021	2022	2023
Electric Reserves	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	120,000	-	-	-	-	-	-
Construction	880,000	-	-	-	-	-	-
TOTAL	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	25,000	25,000	25,000	25,000	25,000	25,000
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000

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



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

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

<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	CAPITAL FACILITIES PLAN 2018 - 2023					
	2017	2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	30,000	-	-	-	-
Construction	-	-	230,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	7,429	7,429	7,429	7,429
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ 7,429	\$ 7,429	\$ 7,429	\$ 7,429

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.120746, -123.494779
 PROJECT MANAGER: SHAILESH SHERE



<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

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

ABOUT THE PROJECT:

Replace old High Pressure Sodium (HPS) yard lights citywide with LED yard lights. HPS lights have more maintenance costs offer less than half the efficiency as that of LED lights.

JUSTIFICATION:

Improve efficiency and migrate towards “maintenance-free” yard light fixtures.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN 2018 - 2023					
	2017	2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-
Construction	93,000	-	-	-	-	-	-
TOTAL	\$ 93,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	2,657	2,657	2,657	2,657	2,657	2,657
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ 2,657	\$ 2,657	\$ 2,657	\$ 2,657	\$ 2,657	\$ 2,657

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



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



Comprehensive Plan Objectives Met:
 Utilities and Public Service Element: Goal A, C, D
 Capital Facilities Element: Goal A-Policy 3, 11

Maintenance Cost Descriptions:
 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. In the parking lot at \$400,000.

JUSTIFICATION:

Defined city electric utility limits will bring clarity in future load growth related capital projects.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN 2018 - 2023					
	2017	2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

<i>Comprehensive Plan Objectives Met:</i>
Comprehensive plan Public Utilities A, B, C, D, E, F

<i>Maintenance Cost Descriptions:</i>
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	CAPITAL FACILITIES PLAN 2018 - 2023					
	2017	2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	70,000	-
Construction	-	-	-	-	-	530,000	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	15,000
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000

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



Comprehensive Plan Objectives Met:
 Utilities and Public Service Element: Goal A, C, D
 Capital Facilities Element: Goal A-Policy 3, 11

Maintenance Cost Descriptions:
 Estimated life 40 years

ABOUT THE PROJECT:

Replace between 100 and 200 wood poles per year on the City’s electric distribution system.

JUSTIFICATION:

To maintain all 8000 poles it is necessary to replace 200 poles per year. The City has not invested in the timely replacement of the poles and many are well past their useful lives.

FUNDING SOURCES	BUDGET	CAPITAL FACILITIES PLAN 2018 - 2023					
	2017	2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ 650,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ 650,000

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-
Construction	-	-	-	650,000	-	-	650,000
TOTAL	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ 650,000

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	16,250	16,250	16,250
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ 16,250	\$ 16,250	\$ 16,250

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



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

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

<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	CAPITAL FACILITIES PLAN 2018 - 2023					
	2017	2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-
Construction	-	200,000	200,000	200,000	200,000	200,000	200,000
TOTAL	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	5,000	10,000	15,000	20,000	25,000
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 5,000	\$ 10,000	\$ 15,000	\$ 20,000	\$ 25,000

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



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

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

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

ABOUT THE PROJECT:

Design and build a new Light Ops Facility. In the Parking Lot until funding is identified at \$2,250,000.

JUSTIFICATION:

The monthly lease for the Light Ops facility is over \$4100/month, or \$49,200 per year (\$984,000 over 20 years). A City owned facility will eliminate the continually increasing lease payments to the Port. The facility can also be designed to house the backup IT server farm. Additionally, 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 \$300,000 available for construction purposes.

FUNDING SOURCES	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
		2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	350,000	-	-	-	-	-
Construction	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	7,000	7,000	7,000	7,000	7,000
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000

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



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



Comprehensive Plan Objectives Met:
 Utilities and Public Service Element: Goal A, C, D
 Capital Facilities Element: Goal A-Policy 3, 11

Maintenance Cost Descriptions:
 Estimated life 35 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-
Construction	-	200,000	200,000	200,000	-	-	200,000
TOTAL	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ 200,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	5,714	11,429	11,429	17,143	17,143	17,143
Other - explained on individual sheets	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 5,714	\$ 11,429	\$ 11,429	\$ 17,143	\$ 17,143	\$ 17,143

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



PROJECT STATUS: PRE-PLANNING
 LATITUDE / LONGITUDE:
 48.115688, -123.469879
 PROJECT MANAGER: SHAILESH SHERE

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

<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 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
		2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-
Construction	-	-	-	-	1,200,000	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	30,000	30,000
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000

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>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

<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	PRIOR YEARS	Actual 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	60,000	-	-	-	-	-
Construction	-	440,000	-	-	-	-	-
TOTAL	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	12,500	12,500	12,500	12,500	12,500
Other - explained on individual sheets	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500

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



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

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Service Element: Goal A, C, D Capital Facilities Element: Goal A-Policy 3, 11

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

ABOUT THE PROJECT:

Replace Washington Street substation switch gear.

JUSTIFICATION:

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

FUNDING SOURCES	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
		2018	2019	2020	2021	2022	2023
Electric Reserves	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2017	2018	2019	2020	2021	2022	2023
Design	-	-	60,000	-	-	-	-
Construction	-	-	440,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	12,500	12,500	12,500	12,500
Other - explained on individual sheets	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500

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





WATER



WATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2018 - 2023
 MANAGER: CRAIG FULTON
 CONTACT: CFULTON@CITYOFPA.US
 PHONE: 360-417-4800

<i>Comprehensive Plan Objectives Met:</i>
VII Goal A - provide services and facilities
VII Goal B - support services with the assistance of outside agencies
VII Goal C - provide safe, clean, usable and attractive public facilities
VII Goal D - efficient utility services in a cost effective and effective manner
VII Goal E - provide customer service with honesty, integrity and flexibility.

No projects completed in 2016.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Use of existing reserves	95,652	-	374,200	847,000	478,200	723,200	487,000	1,107,400	1,047,000
Use of rates	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	30,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 95,652	\$ 30,000	\$ 374,200	\$ 847,000	\$ 478,200	\$ 723,200	\$ 487,000	\$ 1,107,400	\$ 1,047,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	95,652	-	179,200	66,000	123,200	57,200	176,000	202,400	10,000
Construction	-	-	195,000	781,000	355,000	666,000	311,000	905,000	1,037,000
TOTAL	\$ 95,652	\$ -	\$ 374,200	\$ 847,000	\$ 478,200	\$ 723,200	\$ 487,000	\$ 1,107,400	\$ 1,047,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	1,913	1,913	9,397	26,337	35,901	50,365	60,105	82,253
Other -Maint & Plans	-	122,959	132,100	50,000	50,000	50,000	50,000	50,000
TOTAL OTHER COSTS	\$ 1,913	\$ 124,872	\$ 141,497	\$ 76,337	\$ 85,901	\$ 100,365	\$ 110,105	\$ 132,253

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

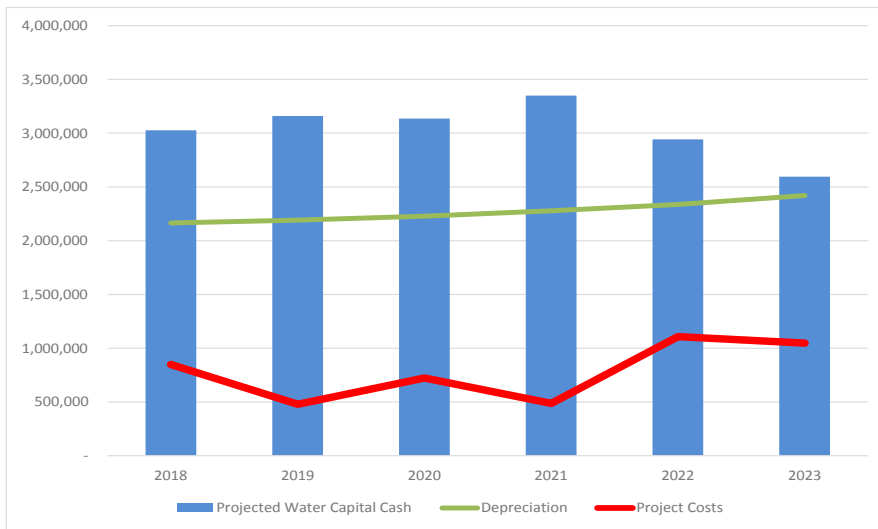
CASH FLOW ANALYSIS	2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance	3,292,314	3,318,114	3,027,114	3,158,914	3,135,714	3,348,714	2,941,314
Funding sources:							
Utilities rates*	400,000	556,000	610,000	700,000	700,000	700,000	700,000
Use of existing reserves	-	-	-	-	-	-	-
Bonds/ other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
Spending:							
Project Costs	(374,200)	(847,000)	(478,200)	(723,200)	(487,000)	(1,107,400)	(1,047,000)
Ending Cash Balance	3,318,114	3,027,114	3,158,914	3,135,714	3,348,714	2,941,314	2,594,314
Depreciation	2,155,339	2,164,736	2,191,073	2,226,974	2,277,339	2,337,444	2,419,698
Depreciation to Cash Ratio	1.54	1.40	1.44	1.41	1.47	1.26	1.07

*Per 2014 COSA prepared by Public Works Engineering, except 2020, 2021 and 2022 which are an average of the 2014 COSA amount.



WATER PROJECT LIST & CASH FLOW

PROJECT TITLE	PRIORITY	TOTAL PROJECT COSTS	PRIOR YEARS	2017	2018	2019	2020	2021	2022	2023	
WT0109	"E" Street Pressure Valve	A	290,652	95,652	195,000	-	-	-	-	-	
WT0215	Marine Dr Channel Water Main Crossing Replacement	A	60,000	-	15,000	45,000	-	-	-	-	
WT0315	24 inch Transmission Main Replacement	A	400,000	-	85,000	315,000	-	-	-	-	
WT0415	Whidby Avenue Main Replacement	A	500,200	-	79,200	421,000	-	-	-	-	
WT0111	Liberty Street Water Main	1	421,000	-	-	66,000	355,000	-	-	-	
WT0512	East 4th Street Water Main	2	421,000	-	-	66,000	355,000	-	-	-	
WT0612	3rd Street and Vine Street Main	3	368,200	-	-	57,200	311,000	-	-	-	
WT0212	East 6th Street Water Main	4	368,200	-	-	-	57,200	311,000	-	-	
WT0112	10th Street Water Main	5	1,081,000	-	-	-	-	176,000	905,000	-	
WT0412	West 4th Street Water Main	6	1,239,400	-	-	-	-	-	202,400	1,037,000	
WT0515	Peabody Reservoir Emergency Overflow Building	7	145,000	-	-	-	-	-	-	10,000	
WT0309	Morse Creek Water Mains to Clallam PUD #1	PL	400,000	-	-	-	-	-	-	-	
WT0116	Marine Drive Main Replacement	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	-	-	-	-	-	-	-	
WT0314	Tumwater Truck Rt Commercial Fire Flow LID	PL	289,000	-	-	-	-	-	-	-	
WT0317	Scribner Booster Station Upgrade	PL	1,500,000	-	-	-	-	-	-	-	
WT0417	First Street/Laurel Street Fire Flow	PL	384,000	-	-	-	-	-	-	-	
WT0715	Elwha Water Facilities Capital	PL	300,000	-	-	-	-	-	-	-	
WT0517	6th/Laurel and 5th Fire Flow	PL	641,000	-	-	-	-	-	-	-	
WT0615	'E' Street Reservoir Decommissioning	PL	300,000	-	-	-	-	-	-	-	
WT0617	Porter Street Zone PRV Improvements	PL	300,000	-	-	-	-	-	-	-	
WT0717	Race/Caroline Street Fire Flow	PL	760,000	-	-	-	-	-	-	-	
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	-	-	-	-	-	-	-	
			24,706,152	95,652	374,200	847,000	478,200	723,200	487,000	1,107,400	1,047,000



Utility Reserves are equal to the amount set aside in the Cost of Service Study performed in 2014. Since the study only addressed through 2019, the last four years are an average of spending per year from the rate study.

The funding allows for full coverage of depreciation per the City Council request. This funding level allows for capital replacement emergencies, such as main breaks and pumping station failures. Also protection from economic swings in the local economy.

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



MAINTENANCE PROJECT LIST & CASH FLOW

			TOTAL	2016	2017	2018	2019	2020	2021	2022	2023
PROJECT TITLE			PROJECT COSTS								
CAPWT	Equipment Purchases	A	355,000	-	55,000	50,000	50,000	50,000	50,000	50,000	50,000
WT0115	Water System Plan Update	A	150,059	67,959	82,100	-	-	-	-	-	-
US0016	Elwha Water & Mitigation	A	1,011,361	447,561	563,800	TBD	TBD	TBD	TBD	TBD	TBD
			\$ 1,516,420	\$ 515,520	\$ 700,900	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000

CASH FLOW ANALYSIS	2017	2018	2019	2020	2021	2022	2023
Rate Stabilization Cash	6,638,937	6,075,137	6,075,137	6,075,137	6,075,137	6,075,137	6,075,137
Funding sources:							
Utilities rates	137,100	50,000	50,000	50,000	50,000	50,000	50,000
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
Project Costs	(700,900)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)
	6,075,137	6,075,137	6,075,137	6,075,137	6,075,137	6,075,137	6,075,137

The rate stabilization fund will be used for Elwha Water and Mitigation issues per direction provided by the City Council and Senior Staff.



PROJECT STATUS: ONGOING
 LATITUDE / LONGITUDE:
 NOT APPLICABLE
 PROJECT MANAGER: EXECUTIVE TEAM

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Services VII. A, B, C, D, E

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

ABOUT THE PROJECT:

Resolution of water impact from the Elwha Dam removal, including possible donation by the National Park Service of a second water treatment plant, water flows and other issues related to the Dam removal. Future years will depend on multiple factors dependant upon negotiation outcomes expected toward the end of June 2017. Cost estimates for future years will be available the beginning of July 2017.

JUSTIFICATION:

Impact on the operating funds needs to be identified as well as benefit to the citizens of Port Angeles. Current costs will be covered by the existing funds available in the rate stabilization fund with no impact on current water fees.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Equipment	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	447,561	563,800	TBD	TBD	TBD	TBD	TBD	TBD
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ 447,561	\$ 563,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: NON-CAPITAL STUDY
 LATITUDE / LONGITUDE:
 NOT APPLICABLE
 PROJECT MANAGER: KATHRYN NEAL

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Services VII. A, B, C, D, E

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

ABOUT THE PROJECT:

Purchase of equipment for operational use.

JUSTIFICATION:

Required heavy tools and equipment not included in a capital or vehicle purchase.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Equipment	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -402-6410	-	55,000	50,000	50,000	50,000	50,000	50,000	50,000
TOTAL OTHER OPERATING COSTS	\$ -	\$ 55,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000

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



"E" STREET PRESSURE VALVE

WT0109

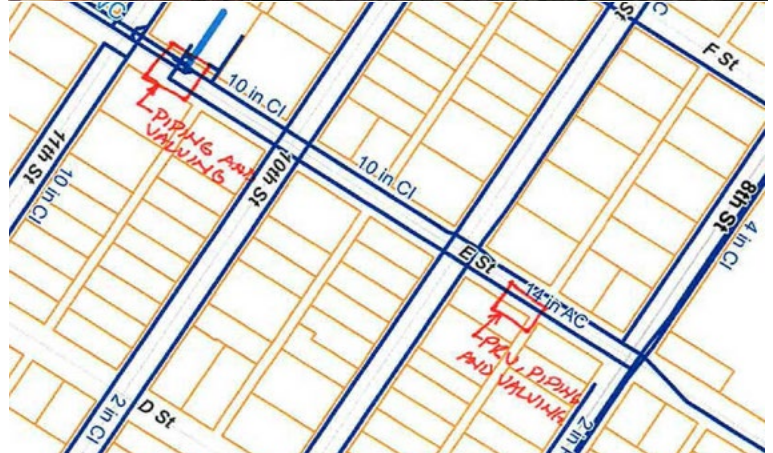
PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 123.462745, 48.119921
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER

Comprehensive Plan Objectives Met:

- IV - Growth Management Goal A
- VII - Utilities and Public Services Goal A, B, C, D, E
- X - Capital Facilities Goal A
- XI - Economic Development Goal A

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ 95,652	\$ -	\$ 195,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 95,652	\$ -	\$ 195,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	95,652	-	-	-	-	-	-	-	-
Construction	-	-	195,000	-	-	-	-	-	-
TOTAL	\$ 95,652	\$ -	\$ 195,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	1,913	1,913	5,813	5,813	5,813	5,813	5,813	5,813
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ 1,913	\$ 1,913	\$ 5,813	\$ 5,813	\$ 5,813	\$ 5,813	\$ 5,813	\$ 5,813

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



LIBERTY STREET WATER MAIN

WT0111

PROJECT STATUS: PLANNING

LATITUDE / LONGITUDE:

-123.420870, 48.1168

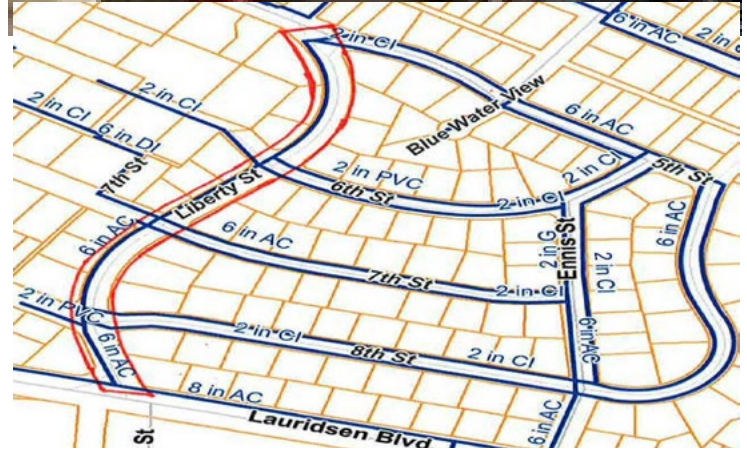
PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER

Comprehensive Plan Objectives Met:

- IV - Growth Management Goal A
- VII - Utilities and Public Services Goal A, B, C, D, E
- X - Capital Facilities Goal A
- XI - Economic Development Goal A

Maintenance Cost Descriptions:

Estimated life 50 years



ABOUT THE PROJECT:

Replace approximately 1500 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	66,000	-	-	-	-	-
Construction	-	-	-	-	355,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,320	8,420	8,420	8,420	8,420
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ 1,320	\$ 8,420	\$ 8,420	\$ 8,420	\$ 8,420

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,000	\$ 905,000	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,000	\$ 905,000	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	176,000	-	-
Construction	-	-	-	-	-	-	-	905,000	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,000	\$ 905,000	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	3,520	21,620
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,520	\$ 21,620

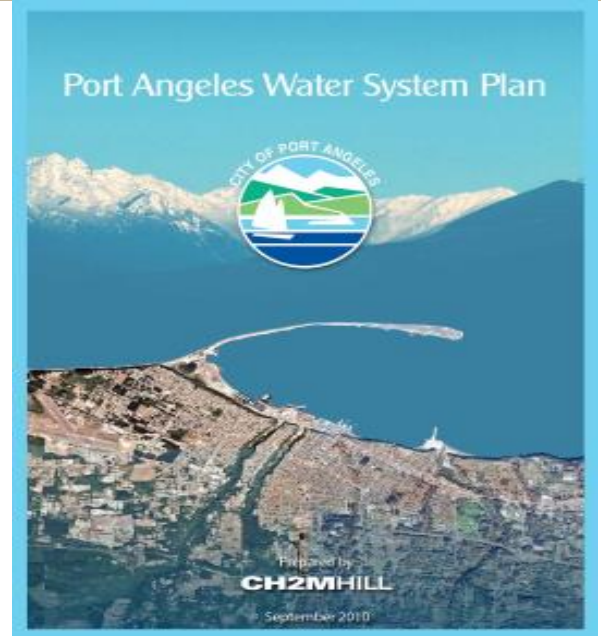
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



PROJECT STATUS: NON-CAPITAL STUDY
 LATITUDE / LONGITUDE:
 NOT APPLICABLE
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>
Not included in the Comprehensive Plan

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



ABOUT THE PROJECT:

The current Water System Plan expired in October 2016. The City has been working with CH2M Hill and DOH to prepare an update.

JUSTIFICATION:

Required per Department of Health regulations.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	Prior Exp	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -4150 charges	-	67,959	82,100	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ 67,959	\$ 82,100	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

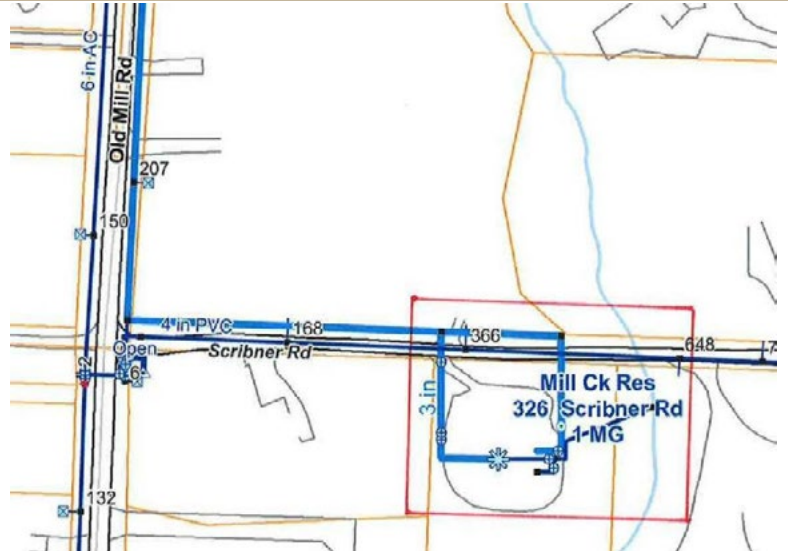
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
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 paring 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	57,200	-	-	-
Construction	-	-	-	-	-	-	311,000	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	1,144	7,364	7,364
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,144	\$ 7,364	\$ 7,364

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.402364254, 48.094553521
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>	
IV	- Growth Management Goal A
VII	- Utilities and Public Services Goal A, B, C, D, E
X	- Capital Facilities Goal A
XI	- Economic Development Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

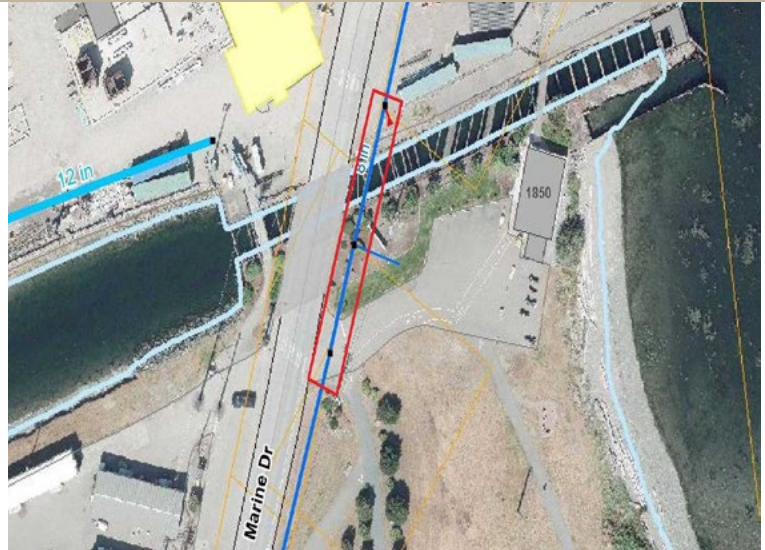
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



MARINE DRIVE CHANNEL WATER MAIN CROSSING

WT0215

PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.133683229, -123.465569972
 PROJECT MANAGER: KATHRYN NEAL



Comprehensive Plan Objectives Met:

- IV - Growth Management Goal A
- VII - Utilities and Public Services Goal A, B, C, D, E
- X - Capital Facilities Goal A
- XI - Economic Development Goal A

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ 15,000	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	30,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 30,000	\$ 15,000	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	15,000	-	-	-	-	-	-
Construction	-	-	-	45,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 15,000	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	300	1,200	1,200	1,200	1,200	1,200
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ 300	\$ 1,200	\$ 1,200	\$ 1,200	\$ 1,200	\$ 1,200

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4961, 48.1121
 PROJECT MANAGERS:
 KATHRYN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>	
IV - Growth Management Goal A	
V - Land-use Goal H	
VII - Utilities and Public Services Goal A, B, C, D, E	
X - Capital Facilities Goal A	
XI - Economic Development Goal A	

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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: DESIGN
 LATITUDE / LONGITUDE:
 EUGA
 PROJECT MANAGERS:
 KATHRYN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>
Utilities and Public Services VII - A, B, C, D, E

<i>Maintenance Cost Descriptions:</i>
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 PUD. \$400K 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donation from PUD	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

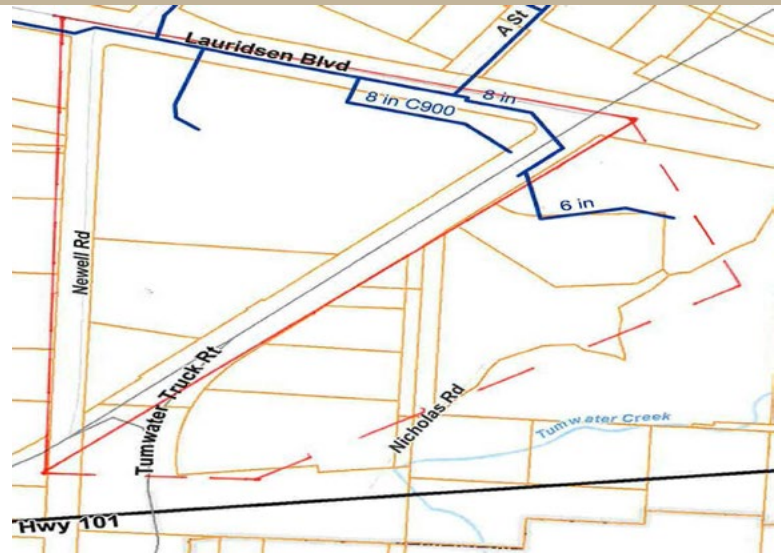
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



TUMWATER TRUCK ROUTE COMMERCIAL AREA FIRE FLOW (LID)

WT0314

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.461780548, 48.110258896
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 -123.52219587, 48127219587
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

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

ABOUT THE PROJECT:

Replacement of approximately 1300 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ 85,000	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 85,000	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	85,000	-	-	-	-	-	-
Construction	-	-	-	315,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 85,000	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,700	8,000	8,000	8,000	8,000	8,000
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ 1,700	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000

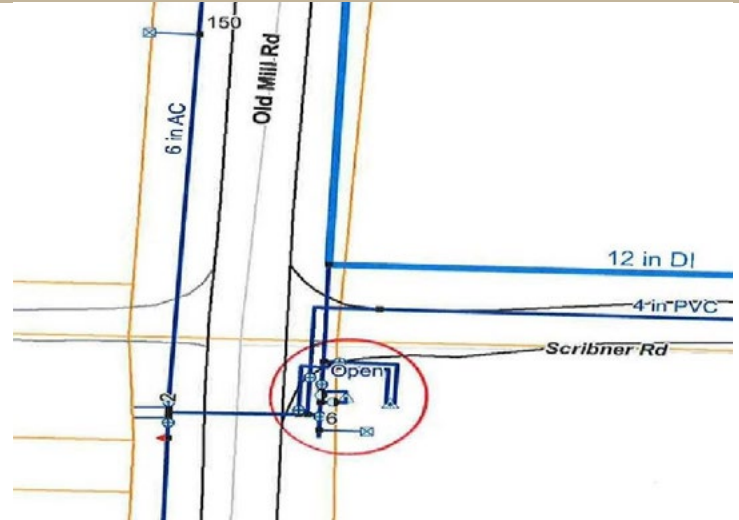
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4409, 48.0874
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>	
IV	- Growth Management Goal A
VII	- Utilities and Public Services Goal A, B, C, D, E
X	- Capital Facilities Goal A
XI	- Economic Development Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

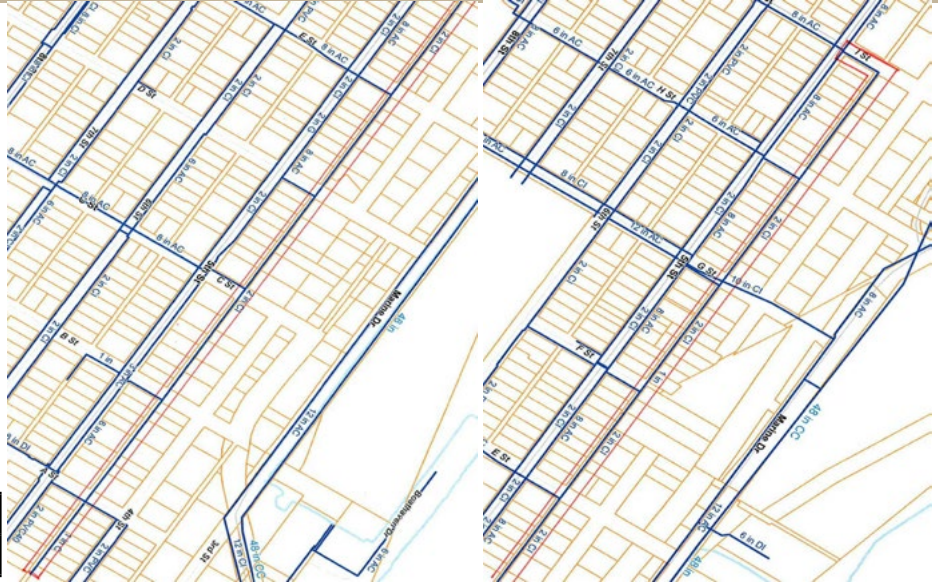
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



WEST 4TH STREET WATER MAIN

WT0412

PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.454227448, 48.123457203
 PROJECT MANAGERS:
 KATHRYN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 202,400	\$ 1,037,000
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 202,400	\$ 1,037,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	202,400	-
Construction	-	-	-	-	-	-	-	-	1,037,000
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 202,400	\$ 1,037,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	4,048
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,048

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 -123.444433, 48.103770
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>	
IV	- Growth Management Goal A
VII	- Utilities and Public Services Goal A, B, C, D, E
X	- Capital Facilities Goal A
XI	- Economic Development Goal A

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



ABOUT THE PROJECT:

Replace approximately 1400 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023						
				2018	2019	2020	2021	2022	2023	
Water Capital Reserves	\$ -	\$ -	\$ 79,200	\$ 421,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 79,200	\$ 421,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

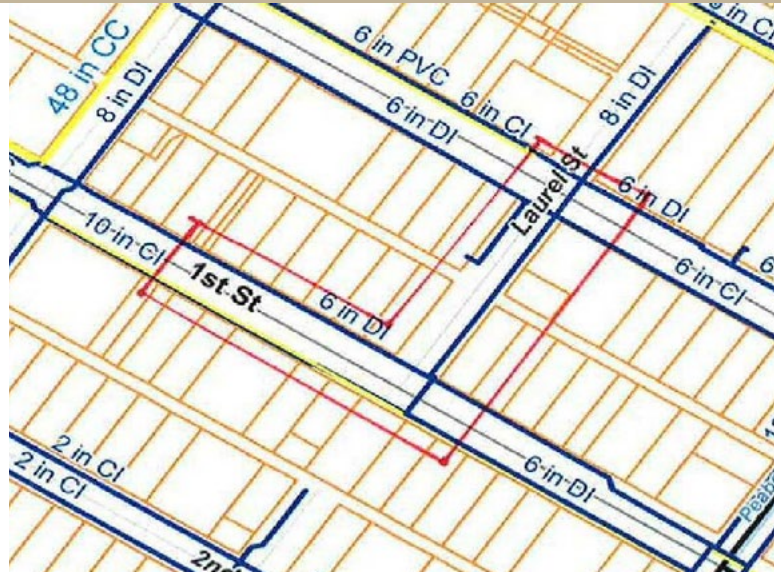
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	79,200	-	-	-	-	-	-
Construction	-	-	-	421,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 79,200	\$ 421,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,584	10,004	10,004	10,004	10,004	10,004
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ 1,584	\$ 10,004	\$ 10,004	\$ 10,004	\$ 10,004	\$ 10,004

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.414874077, 48.107894556
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>	
IV - Growth Management Goal A	
VII - Utilities and Public Services Goal A, B, C, D, E	
X - Capital Facilities Goal A	
XI - Economic Development Goal A	

<i>Maintenance Cost Descriptions:</i>	
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	66,000	-	-	-	-
Construction	-	-	-	-	-	355,000	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 66,000	\$ 355,000	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	1,320	8,420	8,420	8,420
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ 1,320	\$ 8,420	\$ 8,420	\$ 8,420

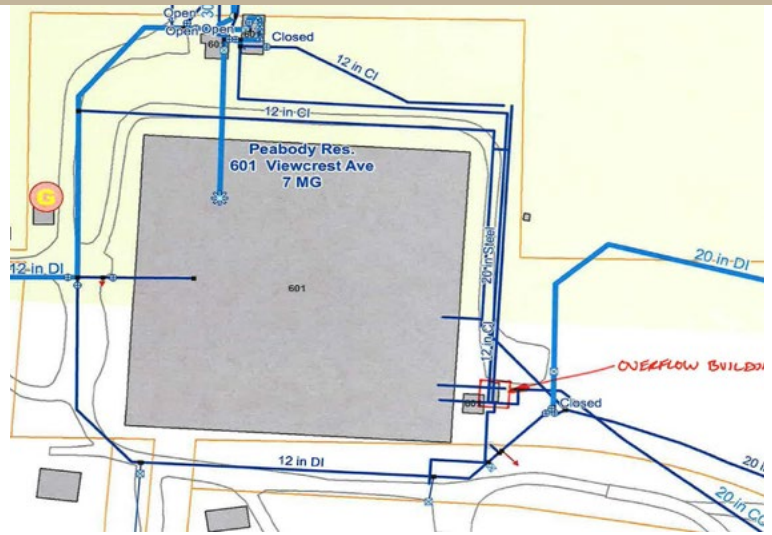
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.432319164, 48.112278716
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	10,000
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:	
IV	- Growth Management Goal A
VII	- Utilities and Public Services Goal A, B, C, D, E
X	- Capital Facilities Goal A
XI	- Economic Development Goal A

Maintenance Cost Descriptions:	
Estimated life 50 years	

ABOUT THE PROJECT:

Install 1,315 linear feet of new 10-inch pipe in 6th Street and Laurel Street and fire two 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

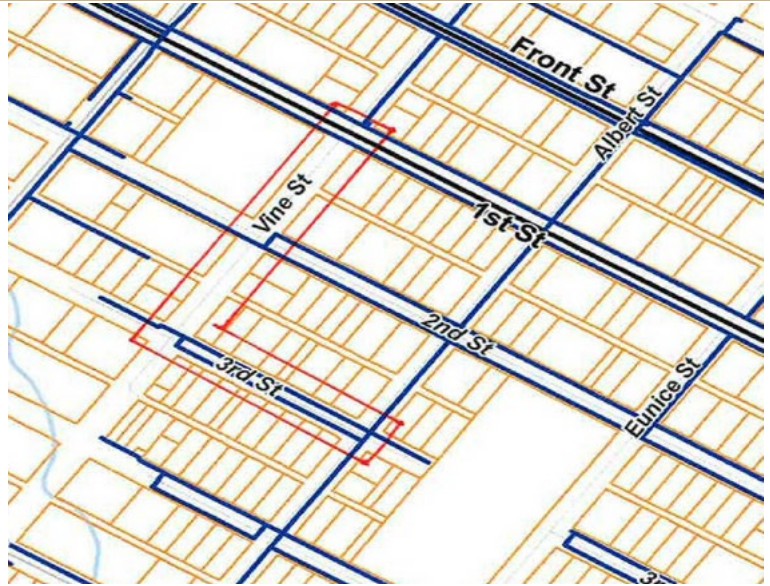
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:	
IV	- Growth Management Goal A
VII	- Utilities and Public Services Goal A, B, C, D, E
X	- Capital Facilities Goal A
XI	- Economic Development Goal A

Maintenance Cost Descriptions:	
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -	\$ -

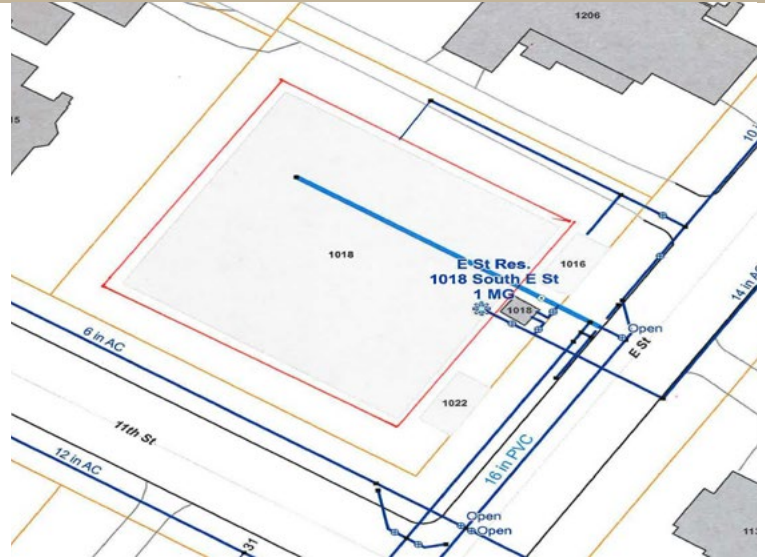
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	57,200	-	-	-	-
Construction	-	-	-	-	-	311,000	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	1,144	7,364	7,364	7,364
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ 1,144	\$ 7,364	\$ 7,364	\$ 7,364

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4637216, 48.1199953
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:	
IV - Growth Management Goal A	
VII - Utilities and Public Services Goal A, B, C, D, E	
X - Capital Facilities Goal A	
XI - Economic Development Goal A	

Maintenance Cost Descriptions:	
Estimated life 50 years	

ABOUT THE PROJECT:

Decommission E Street Reservoir by permanently disconnecting it from the distribution system and shutting down and disconnecting chlorine injection equipment. \$300,000 in parking lot for design and construction.

JUSTIFICATION:

Failure of Reservoir is imminent. Upon failure decommissioning will be necessary.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PORTER STREET ZONE PRV IMPROVEMENTS

WT0617

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4194, 48.0965
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: NON-CAPITAL INITIATIVE
 LATITUDE / LONGITUDE:
 48.10150, -123.5546356
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
 Utilities and Public Services VII - A, B, C, D, E

Maintenance Cost Descriptions:
 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.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

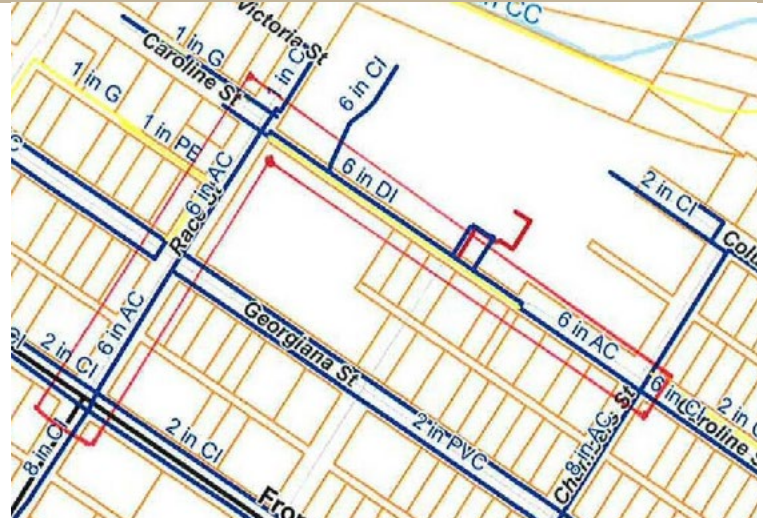
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



RACE/CAROLINE STREET FIRE FLOW

WT0717

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4166, 48.1156
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4376, 48.0980
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:	
IV - Growth Management Goal A	
VII - Utilities and Public Services Goal A, B, C, D, E	
X - Capital Facilities Goal A	
XI - Economic Development Goal A	

Maintenance Cost Descriptions:	
Estimated life 50 years	

ABOUT THE PROJECT:

Install 1,325 feet of new 12-inch pipe within the Viewcrest Subzone from the intersection of S. Peabody Street and E. Viewcrest Avenue, east in Viewcrest to S. Regent Street, and north in S. Regent Street to the St. Andrews Place Assisted Living facility. This improvement replaces a combination of existing 6-inch-diameter and 8-inch-diameter pipe, and also includes a section of 12-inch-diameter pipeline to complete a loop around St. Andrews Place. \$530,000 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

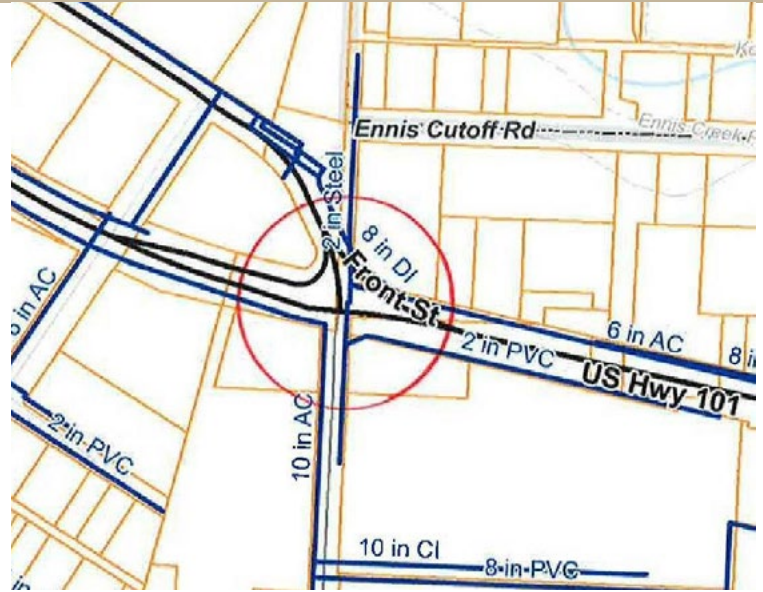
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



EAST FIRST STREET FIRE FLOW

WT0917

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4024, 48.1068
 PROJECT MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:	
IV	Growth Management Goal A
VII	Utilities and Public Services Goal A, B, C, D, E
X	Capital Facilities Goal A
XI	Economic Development Goal A

Maintenance Cost Descriptions:	
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

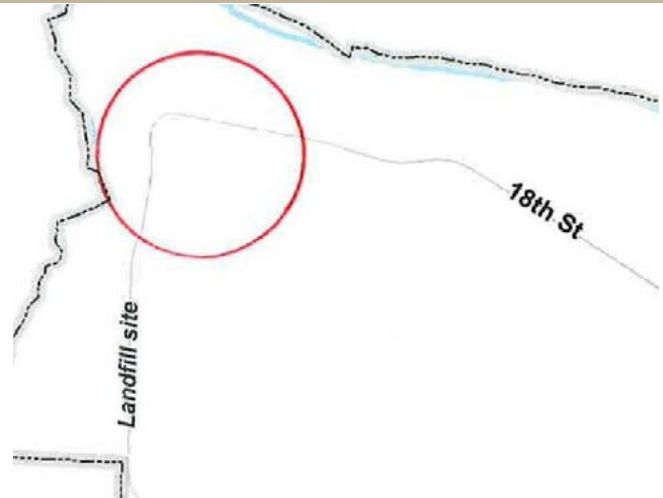
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

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

ABOUT THE PROJECT:

Install 1,550 linear feet of new 8-inch pipeline at the end of W. 18th Street to improve fire flow to the West 18th Street Industrial Area that includes the landfill, the transfer station, compost facility, and PAWTP. This improvement eliminates dead end piping from the PAWTP as well as from W. 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

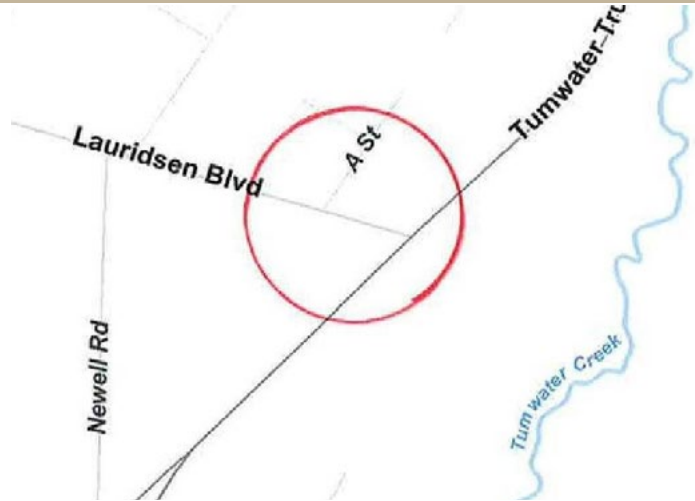
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHRYN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D, E
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
Estimated life 50 years

ABOUT THE PROJECT:

Install 1,200 linear feet of new 12-inch pipe in W. Lauridsen Blvd from C Street towards the Tumwater Truck Route, replacing existing 8-inch piping. This improvement includes approximately 100 linear feet of new pipe through the parking lot at the intersection of W. Lauridsen Blvd and the Tumwater Truck Route to complete a local pipe loop. Install 100 linear feet of new 12-inch pipeline from the discharge side of the adjacent Fairmount Booster Station to connect to a new hydrant along the Tumwater Truck Route. \$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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



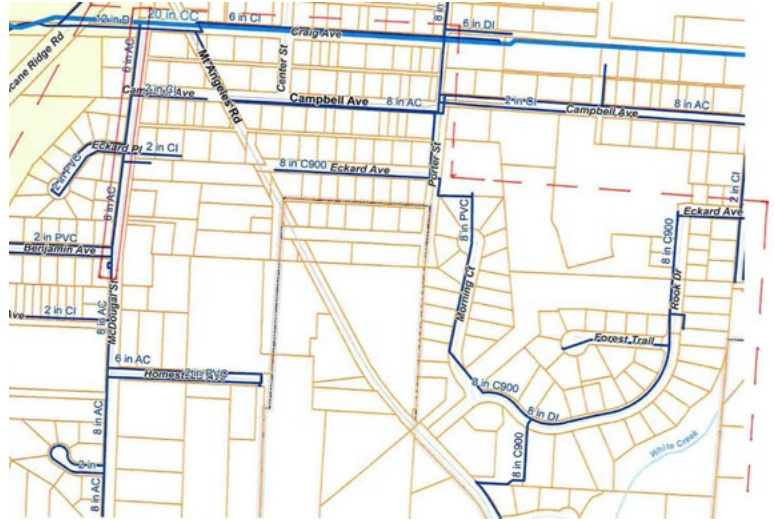
MCDUGAL PRESSURE SUBZONE

WT6499

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.4248, 48.0973
 PROJECT MANAGER: KATHYRN NEAL

<i>Comprehensive Plan Objectives Met:</i>	
IV	- Growth Management Goal A
VII	- Utilities and Public Services Goal A, B, C, D, E
X	- Capital Facilities Goal A
XI	- Economic Development Goal A

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



ABOUT THE PROJECT:

Installation of 1000 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023	
Labor	-	-	-	-	-	-	-	-	
Supplies	-	-	-	-	-	-	-	-	
Communications	-	-	-	-	-	-	-	-	
Depreciation	-	-	-	-	-	-	-	-	
Other -explain	-	-	-	-	-	-	-	-	
TOTAL OTHER OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

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

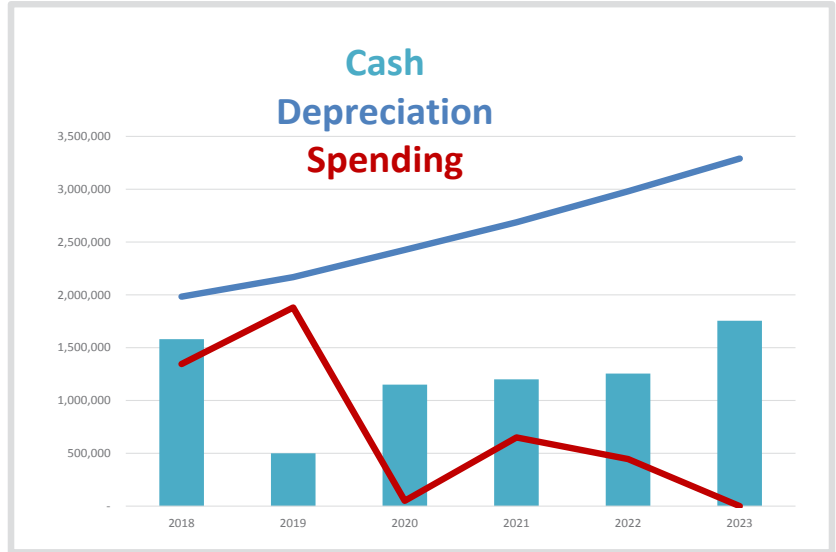


WASTEWATER



WASTEWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2018 - 2023
 MANAGER: CRAIG FULTON
 CONTACT: CFULTON@CITYOFPA.US
 PHONE: 360-417-4800



Comprehensive Plan Objectives Met:
VII Goal A - provide services and facilities
VII Goal B - support services with the assistance of outside agencies
VII Goal C - provide safe, clean, usable and attractive public facilities
VII Goal D - efficient utility services in a cost effective and effective manner
VII Goal E - provide customer service with honesty, integrity and flexibility.

WASTEWATER FUND GOALS AND OBJECTIVES:

To provide or allow the opportunity for services and facilities which enhance the quality of life for Port Angeles citizens of all ages, characteristics, needs and interests and to achieve the desired developmental patterns of the City as depicted on the Comprehensive Plan Land Use Map. To provide utility services in an efficient and cost effective manner.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ 455,299	\$ 92,267	\$ 1,612,000	\$ 1,145,000	\$ 1,880,000	\$ 50,000	\$ 650,000	\$ 445,000	\$ -
Grants	-	-	25,000	200,000	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 455,299	\$ 92,267	\$ 1,637,000	\$ 1,345,000	\$ 1,880,000	\$ 50,000	\$ 650,000	\$ 445,000	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	119,426	60,624	260,000	150,000	50,000	50,000	150,000	-	-
Construction	335,873	31,644	1,612,000	1,195,000	1,830,000	-	500,000	445,000	-
TOTAL	\$ 455,300	\$ 92,267	\$ 1,872,000	\$ 1,345,000	\$ 1,880,000	\$ 50,000	\$ 650,000	\$ 445,000	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	18,417	10,289	130,156	183,956	259,156	261,156	292,489	310,289
Other	-	-	(20,000)	(20,000)	(20,000)	(20,000)	(30,000)	(30,000)
Maintenance projects	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ 8,417	\$ 289	\$ 100,156	\$ 153,956	\$ 229,156	\$ 231,156	\$ 252,489	\$ 270,289

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



WASTEWATER PROJECT LIST & CASH FLOW

WASTEWATER	PROJECT TITLE	RANK	TOTAL PROJECT	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
							2018	2019	2020	2021	2022	2023
WW0308	Pump Station #3 Replacement	A	3,291,754	111,754	-	70,000	1,020,000	1,790,000	-	300,000	-	-
WW0114	Ediz Hook Biennial Sewer Repair	A	237,672	7,672	-	30,000	-	-	-	200,000	-	-
WW0111	Sanitary Sewer I&I Reduction (Front St Separation)	A	367,517	335,873	31,644	-	-	-	-	-	-	-
WW0315	Marine Channel Bridge Sewer Crossing	A	90,000	-	-	90,000	-	-	-	-	-	-
WW0217	Ennis Creek Force Main Removal	A	225,000	-	-	25,000	200,000	-	-	-	-	-
WW0205	Biosolids Dewatering and Reuse	A	1,495,624	-	60,624	1,435,000	-	-	-	-	-	-
WW0116	Marine Drive Sewer Repair	A	222,000	-	-	222,000	-	-	-	-	-	-
WW0415	Pump Station #5 Rehabilitation	1	125,000	-	-	-	125,000	-	-	-	-	-
WW0815	Laurel Street Sewer Separation	2	275,000	-	-	-	-	25,000	-	-	-	-
WW0715	Oak Street Sewer Separation	3	275,000	-	-	-	-	25,000	-	-	-	-
WW0915	Pump Station #6 Improvements	4	40,000	-	-	-	-	40,000	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	5	600,000	-	-	-	-	-	50,000	150,000	400,000	-
WW0516	WWTP Boiler Replacement	6	115,000	-	-	-	-	-	-	-	45,000	-
WW1215	Shane Park Sewer Separation	PL	280,000	-	-	-	-	-	-	-	-	-
WW0216	Washington Street Sewer Lateral	PL	70,000	-	-	-	-	-	-	-	-	-
WW1115	1st & 2nd Streets Alley Sewer Separation	PL	120,000	-	-	-	-	-	-	-	-	-
WW0416	Sewer Line Infiltration Reduction	PL	300,000	-	-	-	-	-	-	-	-	-
WW0110	Aeration Blower Replacement	PL	550,000	-	-	-	-	-	-	-	-	-
WW0608	Waste Activated Sludge Thickening WWTP	PL	1,500,000	-	-	-	-	-	-	-	-	-
WW1315	Pine Hill Sewer Separation	PL	275,000	-	-	-	-	-	-	-	-	-
TOTAL WASTEWATER FUND			\$ 4,525,000	\$ 455,300	\$ 92,267	\$ 1,872,000	\$ 1,345,000	\$ 1,880,000	\$ 50,000	\$ 650,000	\$ 445,000	\$ -

CASH FLOW ANALYSIS	2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance	3,772,563	2,325,563	1,580,563	500,563	1,150,563	1,200,563	1,255,563
Funding sources:							
*Utilities Reserves	400,000	400,000	800,000	700,000	700,000	500,000	500,000
Grants	25,000	200,000	-	-	-	-	-
Bonds/Interest/Other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
Spending:							
Project Cost	(1,872,000)	(1,345,000)	(1,880,000)	(50,000)	(650,000)	(445,000)	-
Ending Cash Balance	3,772,563	2,325,563	1,580,563	500,563	1,150,563	1,200,563	1,255,563
Depreciation	1,842,707	1,852,996	1,983,152	2,167,108	2,426,263	2,687,419	2,979,908
Depreciation to Cash Ratio	2.05	1.26	0.80	0.23	0.47	0.45	0.42
Per 2015 rate review	750,000	1,715,000	1,250,000	635,000	1,205,000	1,050,000	1,100,000

PROJECTS COMPLETED IN 2016
WW0111 - Front Street Sewer
CAPWW - Pumps and WWTP Equipment
TOTAL COMPLETED PROJECTS

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

*Although the amount of reserves does not meet the 1:1 ration of depreciation, it is starting to build back up in 2023.



MAINTENANCE PROJECT LISTING & CASH FLOW

WASTEWATER OPERATIONS	PROJECT TITLE	RANK	TOTAL PROJECT	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
							2018	2019	2020	2021	2022	2023
WASTEWATER												
CAPWW	Operational Equipment Expenses	2	404,550	-	86,050	138,500	30,000	30,000	30,000	30,000	30,000	30,000
WW615n	Sediment Survey and Outfall Inspections	3	60,000	-	-	-	60,000	-	-	-	-	-
TOTAL WASTEWATER FUND			-	-	86,050	138,500	90,000	30,000	30,000	30,000	30,000	30,000

Operating (based on 2016 budget plus 2.5% annually for expenses & Revenues)		BUDGET 2017	2018	2019	2020	2021	2022	2023
Operating Cash		660,174	331,874	77,079	(512,586)	(996,992)	(1,476,009)	(1,739,501)
Revenue (increased at 2.5%)		6,998,500	7,173,463	7,352,799	7,536,619	7,725,035	7,918,160	8,116,114
Expenses (increased at 2.5%)		(6,798,300)	(6,968,258)	(7,142,464)	(7,321,026)	(7,504,051)	(7,691,652)	(7,883,944)
Direct Operating Expense increase		(138,500)	(90,000)	(30,000)	(30,000)	(30,000)	(30,000)	(30,000)
Transfers to Harbor Clean Up		-	-	-	-	-	-	(100,000)
Savings on maintenance for new constr.		10,000	30,000	30,000	30,000	30,000	40,000	40,000
Trfs for capital from projected COSA trfs		(400,000)	(400,000)	(800,000)	(700,000)	(700,000)	(500,000)	(500,000)
Projected operating cash	660,174	331,874	77,079	(512,586)	(996,992)	(1,476,009)	(1,739,501)	(2,097,330)

HARBOR CLEAN UP	PROJECT TITLE	RANK	TOTAL PROJECT	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
							2018	2019	2020	2021	2022	2023
HCU001	Harbor Cleanup	1	17,176,575	-	740,175	1,436,400	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
TOTAL HARBOR CLEAN UP			-	-	740,175	1,436,400	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000

Operating (based on 2016 budget plus 2.5% annually for expenses & Revenues)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Harbor Clean Up Funding to date	202,616	794,517	650,877	525,877	400,877	275,877	150,877	25,877
Direct Operating Expense increase		(1,436,400)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)
Insurance Proceeds @ 95%		1,292,760	2,375,000	2,375,000	2,375,000	2,375,000	2,375,000	2,375,000
Outstanding account recievable	591,901	-	-	-	-	-	-	-
Transfers from Operations		-	-	-	-	-	-	100,000
Projected operating cash	794,517	650,877	525,877	400,877	275,877	150,877	25,877	877



AERATION BLOWER REPLACEMENT

WW0110

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.402773, 48.111766
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:

VII - Utilities and Public Services Goal A, B, C, D, and E
 X - Capital Facilities Goal A

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.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

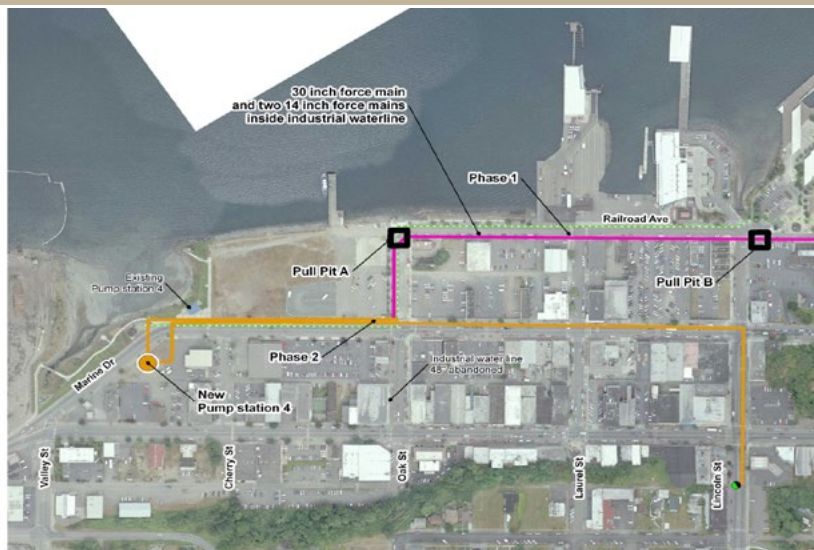
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



SANITARY SEWER I&I REDUCTION (FRONT STREET SEPARATION)

WW0111

PROJECT STATUS: COMPLETE
 LATITUDE / LONGITUDE:
 -123.430897300, 48.1191379
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:	
IV	Growth Management Goal A
VII	Utilities and Public Services Goal A, B, C, D
X	Capital Facilities Goal A
XI	Economic Development Goal A

Maintenance Cost Descriptions:	
Estimated life 25 years	

ABOUT THE PROJECT:

Greatly reduces surface water flow entering the wastewater system at prioritized locations, amounts through the end of 2015 have been capitalized as this covers various areas throughout the city.

JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ 335,873	\$ 31,644	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 335,873	\$ 31,644	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	335,873	31,644	-	-	-	-	-	-	-
TOTAL	\$ 335,873	\$ 31,644	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	13,435	1,266	1,266	1,266	1,266	1,266	1,266	1,266
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ 13,435	\$ 1,266	\$ 1,266	\$ 1,266	\$ 1,266	\$ 1,266	\$ 1,266	\$ 1,266

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



PROJECT STATUS: ACTIVE
 LATITUDE / LONGITUDE:
 -123.437408300, 48.1414793
 PROJECT MANAGERS: KATHYRN NEAL/
 MICHAEL SZATLOCKY/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
Estimated life 15 years.
Reduction of staff time and materials for ongoing repairs.

ABOUT THE PROJECT:

Project will replace/repair components of gravity sewer at Ediz Hook that has been damaged from sulfide corrosion, and remove hydrogen sulfide - the cause of the corrosion.

JUSTIFICATION:

Sulfide corrosion has eaten away portions of sewer pipe and manholes. Failure to act will result in failure of the sewer mains and loss of sewer service to Ediz Hook.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ 7,672	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,672	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	7,672	-	-	-	-	-	-	-	-
Construction	-	-	30,000	-	-	-	200,000	-	-
TOTAL	\$ 7,672	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	511	511.49	2,511	2,511	2,511	2,511	15,845	15,845
Other	-	-	-	-	-	-	(10,000)	(10,000)
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ (9,489)	\$ (9,489)	\$ (7,489)	\$ (7,489)	\$ (7,489)	\$ (7,489)	\$ (4,155)	\$ (4,155)

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



MARINE DRIVE SEWER REPAIR

WW0116

PROJECT STATUS: ACTIVE
 LATITUDE / LONGITUDE:
 -123.451051, 48.123552
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
Estimated life 15 years

ABOUT THE PROJECT:

Project will line corroding concrete gravity sewer lines between Pump Station 3 and the log channel on Marine Drive with Cured In Place Plastic pipe liner (CIPP) to restore the pipe to near original condition.

JUSTIFICATION:

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



FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ 222,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 222,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	222,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 222,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	14,800	14,800	14,800	14,800	14,800	14,800
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 14,800	\$ 14,800	\$ 14,800	\$ 14,800	\$ 14,800	\$ 14,800

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



PROJECT STATUS: ACTIVE
 LATITUDE / LONGITUDE:
 -123.402773, 48.111766
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
 VII - Utilities and Public Services Goal A, B, C, D
 X - Capital Facilities Goal A

Maintenance Cost Descriptions:
 Estimated life 15 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ 60,624	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 60,624	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	60,624	235,000	-	-	-	-	-	-
Construction	-	-	1,200,000	-	-	-	-	-	-
TOTAL	\$ -	\$ 60,624	\$ 1,435,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	4,042	99,708	99,708	99,708	99,708	99,708	99,708
Other	-	-	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ 4,042	\$ 79,708	\$ 79,708	\$ 79,708	\$ 79,708	\$ 79,708	\$ 79,708

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 MANAGERS: KATHYRN NEAL/JEFF BENDER

Comprehensive Plan Objectives Met:

- IV - Growth Management Goal A
- VII - Utilities and Public Services Goal A, B, C, D
- X - Capital Facilities Goal A
- XI - Economic Development Goal A

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

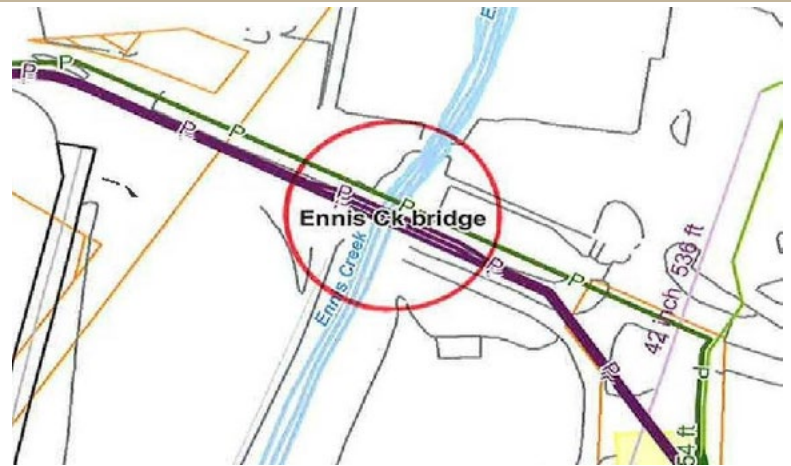
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: ACTIVE
 LATITUDE / LONGITUDE: -123.4058, 48.1154
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>	
IV - Growth Management Goal A	
VII - Utilities and Public Services Goal A, B, C, D	
X - Capital Facilities Goal A	
XI - Economic Development Goal A	

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

ABOUT THE PROJECT:

This project removes the abandoned sewer force main that crosses Ennis Creek.

JUSTIFICATION:

The abandoned existing force main acts as a fish barrier passage. This project will be completed with the Ennis Creek Culvert Replacement Project (TR0314) which was submitted to the North Olympic Peninsula Lead entity Group for a Salmon Recovery Fund Board Grant. The Ennis Creek Culvert Project ranked high for grant funding. As a condition to the grant funding the abandoned existing force main must be removed. The City is required to match 12.5% of the project costs including past projects. The City will be able to use the bridge installed over Ennis Creek during CSO Phase 1 as part of matching funds.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	25,000	200,000	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 25,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	25,000	-	-	-	-	-	-
Construction	-	-	-	200,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 25,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,000	9,000	9,000	9,000	9,000	9,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 1,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000

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: KATHYRN NEAL/
 MICHAEL SZATLOCKY/JEFF BENDER

<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

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

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ 111,754	\$ -	\$ 70,000	\$ 1,020,000	\$ 1,790,000	\$ -	\$ 300,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 111,754	\$ -	\$ 70,000	\$ 1,020,000	\$ 1,790,000	\$ -	\$ 300,000	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	111,754	-	-	150,000	-	-	-	-	-
Construction	-	-	70,000	870,000	1,790,000	-	300,000	-	-
TOTAL	\$ 111,754	\$ -	\$ 70,000	\$ 1,020,000	\$ 1,790,000	\$ -	\$ 300,000	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	4,470	4,470	7,270	48,070	119,670	119,670	131,670	131,670
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ 4,470	\$ 4,470	\$ 7,270	\$ 48,070	\$ 119,670	\$ 119,670	\$ 131,670	\$ 131,670

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 MANAGERS: KATHYRN NEAL/
 MICHAEL SZATLOCKY/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

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

ABOUT THE PROJECT:

Project will reconstruct sewer line attachment at 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
NICE funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	90,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	3,600	3,600	3,600	3,600	3,600	3,600
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 3,600	\$ 3,600	\$ 3,600	\$ 3,600	\$ 3,600	\$ 3,600

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



PUMP STATION #5 REHABILITATION

WW0415

PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.4303229, 48.1165251
 PROJECT MANAGERS:
 KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>	
IV - Growth Management Goal A	
VII - Utilities and Public Services Goal A, B, C, D	
X - Capital Facilities Goal A	
XI - Economic Development Goal A	

<i>Maintenance Cost Descriptions:</i>	
Estimated life 25 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	125,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	5,000	5,000	5,000	5,000	5,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 NOT IDENTIFIED
 PROJECT MANAGERS:
 KATHYRN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:

- IV - Growth Management Goal A
- VII - Utilities and Public Services Goal A, B, C, D
- X - Capital Facilities Goal A
- XI - Economic Development Goal A

Maintenance Cost Descriptions:

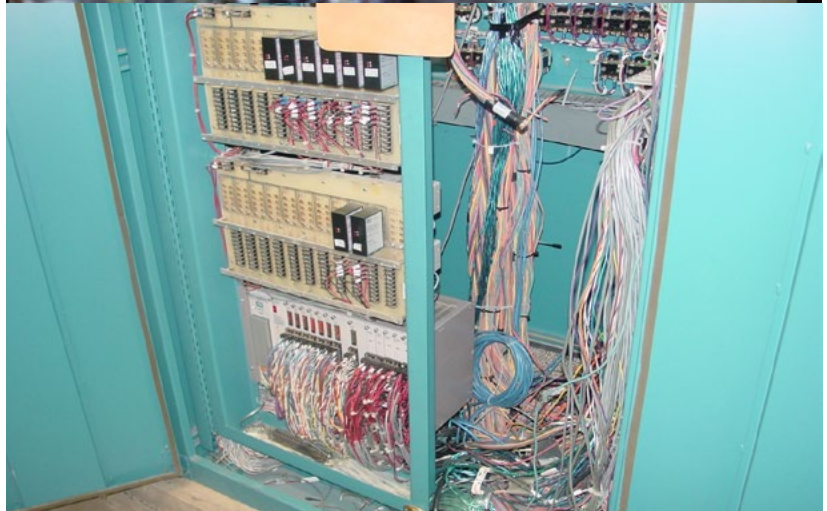
Estimated life 25 years

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. \$300,000 is programmed in the Parking Lot.

JUSTIFICATION:

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.



FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS:
 KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Services Goal A, B, C, D X - Capital Facilities Goal A

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 150,000	\$ 400,000	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 150,000	\$ 400,000	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	50,000	150,000	-	-
Construction	-	-	-	-	-	-	-	400,000	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 150,000	\$ 400,000	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	2,000	8,000	24,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 8,000	\$ 24,000

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 MANAGERS:
 KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	45,000	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	1,800
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800

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



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

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Services Goal A, B, C, D X - Capital Facilities

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: NON-CAPITAL STUDY
 LATITUDE / LONGITUDE:
 -123.402773, 48.111766
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
 VII - Utilities and Public Services Goal A, B, C, D
 X - Capital Facilities Goal A

Maintenance Cost Descriptions:
 Estimated life 0 years.
 Surveys and plans are not part of the capital plan they are presented here to show a comprehensive look at infrequent large costs.

ABOUT THE PROJECT:

Perform underwater outfall sediment survey and outfall inspections for the two City outfalls from the WWTP.

JUSTIFICATION:

Sediment surveys and outfall inspections at scheduled intervals are a DOE requirement. Failure to perform the surveys will result in permit violations.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	60,000	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
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 by extending the Front Street stormwater system, up Oak Street, then turn east on the alley between Oak and Laurel Streets.

JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	25,000	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	1,000	1,000	1,000	1,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000

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 MANAGERS: KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>	
IV	- Growth Management Goal A
VII	- Utilities and Public Services Goal A, B, C, D
X	- Capital Facilities Goal A
XI	- Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>	
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 from First Street to prevent stormwater from entering the wastewater system.

JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	25,000	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	1,000	1,000	1,000	1,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000

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 MANAGERS:
 KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

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

ABOUT THE PROJECT:
 The project will pre-treat influent to pump station.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	40,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	1,600	1,600	1,600	1,600
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ 1,600	\$ 1,600	\$ 1,600	\$ 1,600

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.437828447, 48.120447662
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.43102713, 48.1219466
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
Not applicable

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.

JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 MANAGERS: KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
IV - Growth Management Goal A
VII - Utilities and Public Services Goal A, B, C, D
X - Capital Facilities Goal A
XI - Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
Not Applicable

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



PROJECT STATUS: ACTIVE - NON-CAPITAL
 LATITUDE / LONGITUDE:
 48.117093, -123.401857
 PROJECT MANAGER: CRAIG FULTON/DAN MCKEEN

<i>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utili

<i>Maintenance Cost Descriptions:</i>
Offset by insurance proceeds

ABOUT THE PROJECT:

Harbor sediment clean up due to sewer overflow, a shared cost with other partners in the Council approved PLP agreement.

JUSTIFICATION:

Mandated by the Department of Ecology. This project is being covered by Insurance and rates, with 40% of legal cost not covered with insurance policies.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ 44,021	\$ 143,640	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	696,154	1,292,760	2,375,000	2,375,000	2,375,000	2,375,000	2,375,000	2,375,000
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 740,175	\$ 1,436,400	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Maintenance only project	740,175	1,436,400	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
TOTAL OPERATING COSTS	\$ 740,175	\$ 1,436,400	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000

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



OPERATIONAL EQUIPMENT EXPENSES

CAPWW

PROJECT STATUS:
 LATITUDE / LONGITUDE:
 PROJECT MANAGER: JEFF YOUNG



Comprehensive Plan Objectives Met:
 Comprehensive Plan Public Utilities A, B, C, D, E, F

ABOUT THE PROJECT:
 2017 Equipment Purchases

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater Rates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Capital spent directly from operations	86,050	138,500	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL ONGOING MAINTENANCE	\$ 86,050	\$ 138,500	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000

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



CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN



COMBINED SEWER OVERFLOW



CSO FUND CAPITAL FACILITY PLAN

CFP YEAR: 2018 - 2023
 MANAGER: CRAIG FULTON
 CONTACT: CFULTON@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.

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.

Comprehensive Plan Objectives Met:

Comprehensive Plan Public Utilities

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Wastewater CSO Rates	\$ 9,377,515	\$ -	\$ 170,000	\$ 150,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	9,311,875	2,688,125	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 18,689,390	\$ 2,688,125	\$ 170,000	\$ 150,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	2,639,148	-	10,000	10,000	-	-	-	-	-
Construction	10,579,516	6,482,487	160,000	140,000	190,000	-	-	-	-
TOTAL	\$ 13,218,664	\$ 6,482,487	\$ 170,000	\$ 150,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	264,373	6,482,487	6,489,287	6,495,287	6,502,887	6,502,887	6,502,887	6,502,887
Other -loan payments	1,441,976	1,881,537	2,281,404	2,277,596	2,273,789	2,269,981	2,266,174	2,266,174
TOTAL OTHER COSTS	\$ 1,706,349	\$ 8,364,024	\$ 8,770,691	\$ 8,772,883	\$ 8,776,676	\$ 8,772,868	\$ 8,769,061	\$ 8,769,061

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



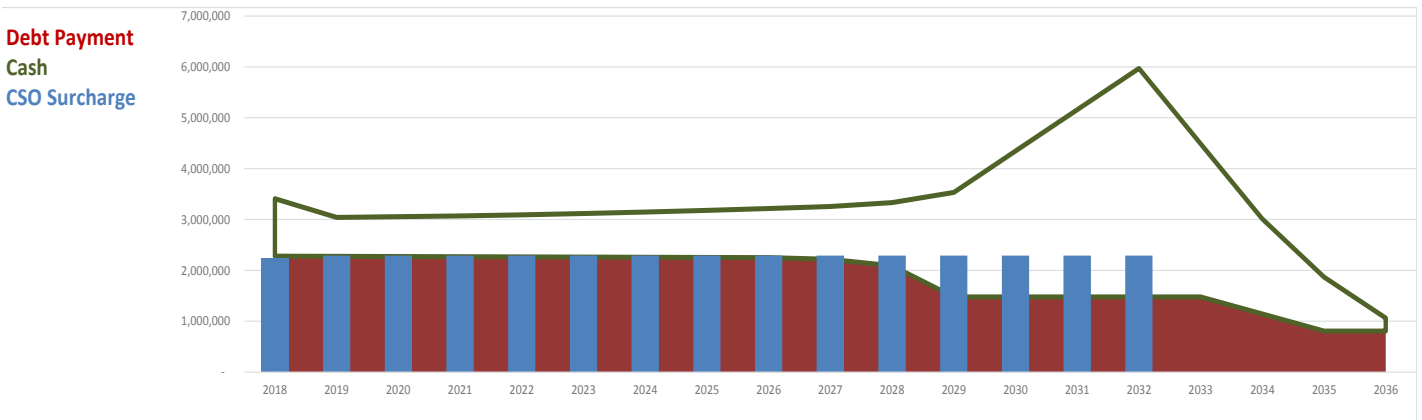
COMBINED SEWER OVERFLOW PROJECT LIST & CASH FLOW

PROJECT TITLE	TOTAL PROJECT	PRIOR YEARS	2016	2017	2018	2019	2020	2021	2022	2023
COMBINED SEWER OVERFLOW										
WW0316 CSO 6 and 7 Reconstruction	160,000	-	-	160,000	-	-	-	-	-	-
WW1015 In-Line Grinder at Pump Station #4	150,000	-	-	10,000	140,000	-	-	-	-	-
WW0117 Francis Street Piggig Bypass	200,000	-	-	-	10,000	190,000	-	-	-	-
WW1008 Combined Sewer Overflow Phase 2	20,985,154	13,218,664	7,766,490	-	-	-	-	-	-	-
	20,985,154	13,218,664	7,766,490	170,000	150,000	190,000	-	-	-	-

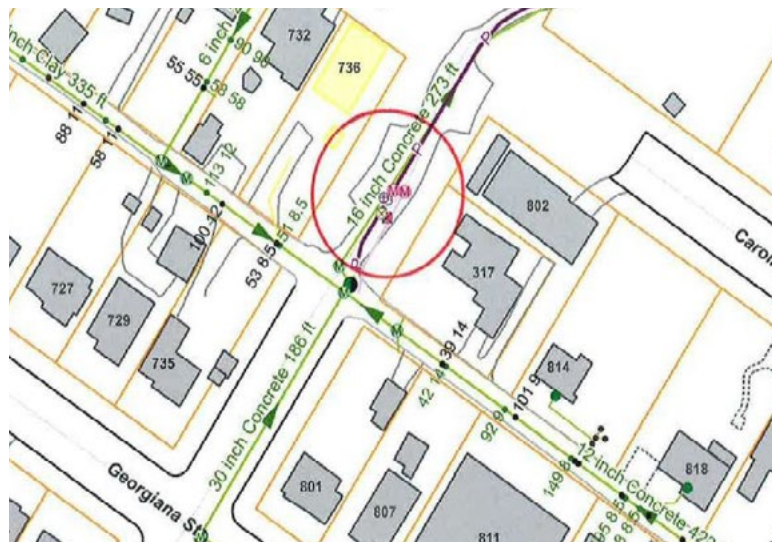
CASH FLOW ANALYSIS	2016	2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance		1,795,484	1,471,947	1,128,543	762,427	780,119	801,617	826,923
CSO fee		2,238,000	2,238,000	2,291,480	2,291,480	2,291,480	2,291,480	2,291,480
Interest Earnings		-	-	-	-	-	-	-
Debt Payments (projected)		1,881,537	2,281,404	2,277,596	2,273,789	2,269,981	2,266,174	2,262,367
Funding sources:								
Use of CSO reserves		160,000	150,000	190,000	-	-	-	-
Grants		-	-	-	-	-	-	-
Loan Proceeds/Add'l Interest		(350,000)	-	-	-	-	-	-
General Fund		-	-	-	-	-	-	-
Donations/Insurance		-	-	-	-	-	-	-
Spending:								
Project costs		(170,000)	(150,000)	(190,000)	-	-	-	-
ENDING CASH BALANCE	1,795,484	1,471,947	1,128,543	762,427	780,119	801,617	826,923	856,037

Phase 1 of the Combined Sewer Overflow project completed and was capitalized in 2015 at \$25,708,173.

Cash Balance continues to grow allowing for the surcharge to be discontinued early.



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.4186, 48.1162
 PROJECT MANAGERS: KATHYRN NEAL/JEFF BENDER



Comprehensive Plan Objectives Met:
VII - Public Utilities and Services Goal A, B, C, D
IX - Conservation Goal B (P10 & 19), and D
X - Capital Facilities Goal A
XI - Economic Development Goal A

Maintenance Cost Descriptions:
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Wastewater Reserves	\$ -	\$ -	\$ -	\$ 10,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 10,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	10,000	-	-	-	-	-
Construction	-	-	-	-	190,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 10,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	400	8,000	8,000	8,000	8,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ -	\$ 400	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000

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: KATHYRN NEAL/
 MICHAEL SZATLOCKY/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>
VII - Public Utilities and Services Goal A, B, C, D
IX - Conservation Goal B (P10 & 19), and D
X - Capital Facilities Goal A
XI - Economic Development Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Wastewater CSO Reserves	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
NICE funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	160,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	6,400	6,400	6,400	6,400	6,400	6,400
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 6,400	\$ 6,400	\$ 6,400	\$ 6,400	\$ 6,400	\$ 6,400

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



PROJECT STATUS: CONSTRUCTION
 LOCATION: CITYWIDE
 PROJECT MANAGER: JEFFREY BENDER



<i>Comprehensive Plan Objectives Met:</i>
VII - Public Utilities and Services Goal A, B, C, D
IX - Conservation Goal B (P10 & 19), and D
X - Capital Facilities Goal A
XI - Economic Development G

<i>Maintenance Cost Descriptions:</i>
Estimated asset life 50 years.
Loan amortization schedules available upon request

ABOUT THE PROJECT:

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.

JUSTIFICATION:

Mandated by our NPDES permit and the Washington State Department of Ecology. Penalties are steep if compliance is not met.

FUNDING SOURCES	Actual Prior	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2022
Wastewater Reserves	\$ 9,377,515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/loans	9,311,875	2,688,125	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 18,689,390	\$ 2,688,125	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2022
Design	2,639,148	-	-	-	-	-	-	-	-
Construction	10,579,516	6,482,487	-	-	-	-	-	-	-
TOTAL	\$ 13,218,664	\$ 6,482,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	264,373	6,482,487	6,482,487	6,482,487	6,482,487	6,482,487	6,482,487	6,482,487
Other-loan payments	1,441,976	1,881,537	2,281,404	2,277,596	2,273,789	2,269,981	2,266,174	2,266,174
TOTAL OTHER COSTS	\$ 1,706,349	\$ 8,364,024	\$ 8,763,891	\$ 8,760,083	\$ 8,756,276	\$ 8,752,468	\$ 8,748,661	\$ 8,748,661

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



IN-LINE GRINDER AT PUMP STATION #4

WW1015

PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.437010500, 48.121637600
 PROJECT MANAGERS:
 KATHYRN NEAL/JEFF BENDER



<i>Comprehensive Plan Objectives Met:</i>	
VII - Public Utilities and Services Goal A, B, C, D	
IX - Conservation Goal B (P10 & 19), and D	
X - Capital Facilities Goal A	
XI - Economic Development Goal A	

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

ABOUT THE PROJECT:

The project will increase the pump capacity and reliability of the pump station.

JUSTIFICATION:

Failure to install the in-line grinder could continue to cause pump shutdowns for maintenance. The need for an inline grinder is being evaluated during the first year of operation of Pump Station 2.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023						
				2018	2019	2020	2021	2022	2023	
Wastewater Reserves	\$ -	\$ -	\$ 10,000	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 10,000	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	10,000	-	-	-	-	-	-
Construction	-	-	-	140,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 10,000	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	400	6,000	6,000	6,000	6,000	6,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	\$ -	\$ -	\$ 400	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000

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



CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

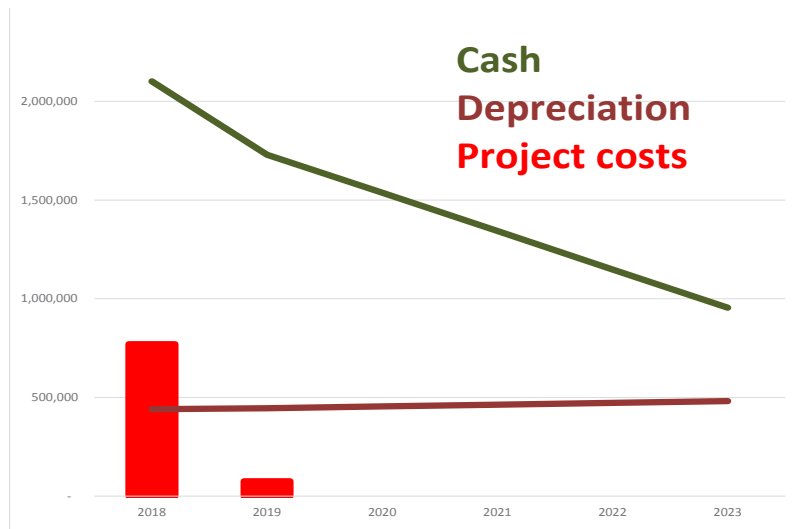


SOLID WASTE



SOLID WASTE FUND CAPITAL FACILITY PLAN

CFP YEAR: 2018 - 2023
 MANAGER: KATHRYN NEAL
 CONTACT: KNEAL@CITYOFPA.US
 PHONE: 360-417-4800



Comprehensive Plan Objectives Met:

- VII Goal A - provide services and facilities
- VII Goal B - support services with the assistance of outside agencies
- VII Goal C - provide safe, clean, usable and attractive public facilities
- VII Goal D - efficient utility services in a cost effective and effective manner
- VII Goal E - provide customer service with honesty, integrity and flexibility.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Solid Waste Surcharge	743,100	534,039	300,000	750,000	900,000	900,000	900,000	900,000	900,000
Grants	4,027,965	-	-	474,300	-	-	-	-	-
Bonds/Loans	7,994,700	-	160,000	275,700	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	8,541,700	-	-	-	-	-	-	-	-
TOTAL	21,307,465	534,039	460,000	1,500,000	900,000	900,000	900,000	900,000	900,000

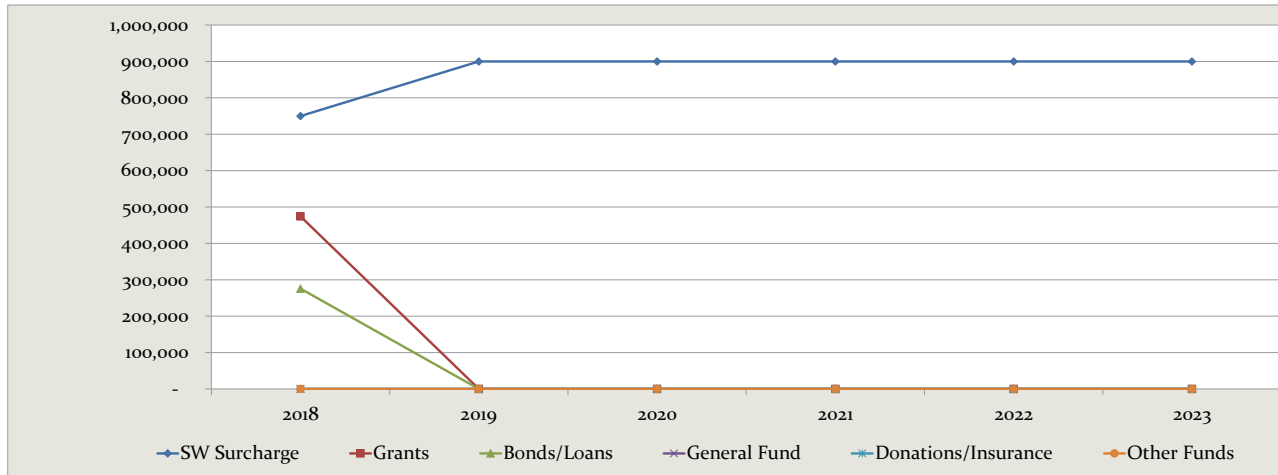
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	22,554	-	160,000	20,000	-	-	-	-	-
Construction	16,789,650	4,709,000	80,000	750,000	75,000	-	-	-	-
TOTAL	16,812,204	4,709,000	240,000	770,000	75,000	-	-	-	-

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation/ amortization	902	21,499,552	4,176	5,215	8,965	8,965	8,965	8,965
Other -	-	-	-	-	-	-	-	-
- Debt payment	666,450	666,450	1,196,450	1,193,000	1,194,000	1,194,300	1,193,900	1,192,750
TOTAL OTHER COSTS	667,352	22,166,002	1,200,626	1,198,215	1,202,965	1,203,265	1,202,865	1,201,715

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



SOLID WASTE PROJECT LIST & CASH FLOW



PROJECT TITLE	RANK	TOTAL PROJECT	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
						2018	2019	2020	2021	2022	2023
SOLID WASTE											
SW0212 Landfill Cell Stabilization	A	19,323,802	16,789,650	2,534,152	-	-	-	-	-	-	-
SW0112 Decant Facility at Transfer Station	1	932,554	22,554	-	160,000	750,000	-	-	-	-	-
SW0117 Landfill Operating Software	2	80,000	-	-	80,000	-	-	-	-	-	-
SW0217 Landfill Flare Replacement	3	95,000	-	-	-	20,000	75,000	-	-	-	-
		932,554	22,554	-	240,000	770,000	75,000	-	-	-	-

CASH FLOW ANALYSIS		2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance		2,759,927	2,313,477	2,101,327	1,729,877	1,536,877	1,342,877	1,148,577
Landfill Surcharge		300,000	750,000	900,000	1,000,000	1,000,000	1,000,000	1,000,000
Funding sources:								
Solid Waste Reserves		160,000	-	-	-	-	-	-
Grants		-	474,300	-	-	-	-	-
Bonds (net used & paid)		(666,450)	(666,450)	(1,196,450)	(1,193,000)	(1,194,000)	(1,194,300)	(1,193,900)
General Fund		-	-	-	-	-	-	-
Donations/Insurance		-	-	-	-	-	-	-
Other Funds		-	-	-	-	-	-	-
Spending:								
Project Cost		(240,000)	(770,000)	(75,000)	-	-	-	-
Ending Cash Balance		2,759,927	2,313,477	2,101,327	1,729,877	1,536,877	1,342,877	954,677
Depreciation	436,285	21,499,552	440,460	445,675	454,640	463,605	472,570	481,534
Cash/Depreciation	6.3	0.1	4.8	3.9	3.4	2.9	2.4	2.0

The Landfill cell stabilization project will be fully depreciated (expensed) when complete due to landfill closure financial 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.



PROJECT STATUS: PRE-DESIGN
 LATITUDE / LONGITUDE:
 -123.507901, 48.129035
 PROJECT MANAGER: KATHYRN NEAL

<i>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utilities A, B, C, D, E, F
<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 \$474,300. City match from Solid Waste General Obligation Bonds in the amount of \$435,700.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Solid Waste Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	22,554	-	-	474,300	-	-	-	-	-
Bonds/Loans	385,700	-	160,000	275,700	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 408,254	\$ -	\$ 160,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	22,554	-	160,000	-	-	-	-	-	-
Construction	-	-	-	750,000	-	-	-	-	-
TOTAL	\$ 22,554	\$ -	\$ 160,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	902	938	976	1,015	1,015	1,015	1,015	1,015
Other - Surcharge	-	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	902	938	976	1,015	1,015	1,015	1,015	1,015

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



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.507901, 48.129035
 PROJECT MANAGER: KATHYRN NEAL

<i>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utilities A, B, C

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Solid Waste Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds use of excess bonds	80,000	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	80,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Maintenance	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	3,200	3,200	3,200	3,200	3,200	3,200
Other - Surcharge	-	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	3,200	3,200	3,200	3,200	3,200	3,200

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



PROJECT STATUS: CONSTRUCTION
 LATITUDE / LONGITUDE:
 -123.507901, 48.129035
 PROJECT MANAGER: KATHYRN NEAL



Comprehensive Plan Objectives Met:

Comprehensive Plan Public Utilities A, B, C, D, E

Maintenance Cost Descriptions:

Estimated life 1 year when completed per BARs and GAAP requirements. Debt payment based on schedule provided by DOE.

ABOUT THE PROJECT:

Long-term environmental protection requires that the east cell 304 landfill site be relocated to the existing lined 351 landfill, located on the same property but about 1/4 mile away from the eroding bluffs at the Strait of Juan de Fuca. Project was designed and permitted 2011-2014, and construction began in the summer of 2014.

JUSTIFICATION:

Fulfills requirements to control refuse as part of the Municipal Solid Waste permit and other applicable Federal and State laws prohibiting discharges to federal and state waters. The landfill bluff is eroding and will cause trash to fall into the Straits of Juan de Fuca. Exposed refuse was observed in June 2011 and short-term repairs were done in 2012. Relocating the remaining refuse is the selected strategy to prevent pollution.

REVENUES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Solid Waste Reserves	\$ 743,100	\$ 534,039	\$ 300,000	\$ 750,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000
Grants	4,005,411	-	-	-	-	-	-	-	-
Bonds/Loans	7,434,000	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds 216 Bonds	8,541,700	-	-	-	-	-	-	-	-
TOTAL	\$ 20,724,211	\$ 534,039	\$ 300,000	\$ 750,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design & Financing costs	-	-	-	-	-	-	-	-	-
Construction	16,789,650	4,709,000	-	-	-	-	-	-	-
TOTAL	\$ 16,789,650	\$ 4,709,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	21,498,650	-	-	-	-	-	-
Other - Surcharge	-	-	-	-	-	-	-	-
- Debt payment	666,450	666,450	1,196,450	1,193,000	1,194,000	1,194,300	1,193,900	1,192,750
- Interest	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	666,450	22,165,100	1,196,450	1,193,000	1,194,000	1,194,300	1,193,900	1,192,750

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



LANDFILL FLARE REPLACEMENT

SW0217

PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 48.130691, -123.517638
 PROJECT MANAGER: KATHYRN NEAL



Comprehensive Plan Objectives Met:
 Comprehensive Plan Public Utilities A, B, C, D, E, F

Maintenance Cost Descriptions:
 Estimated life 20 years

REVENUES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Solid Waste Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds use of excess bonds	95,000	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	20,000	-	-	-	-	-
Construction	-	-	-	-	75,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 20,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -

Maintenance	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,000	4,750	4,750	4,750	4,750
Other - Surcharge	-	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	-	1,000	4,750	4,750	4,750	4,750

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



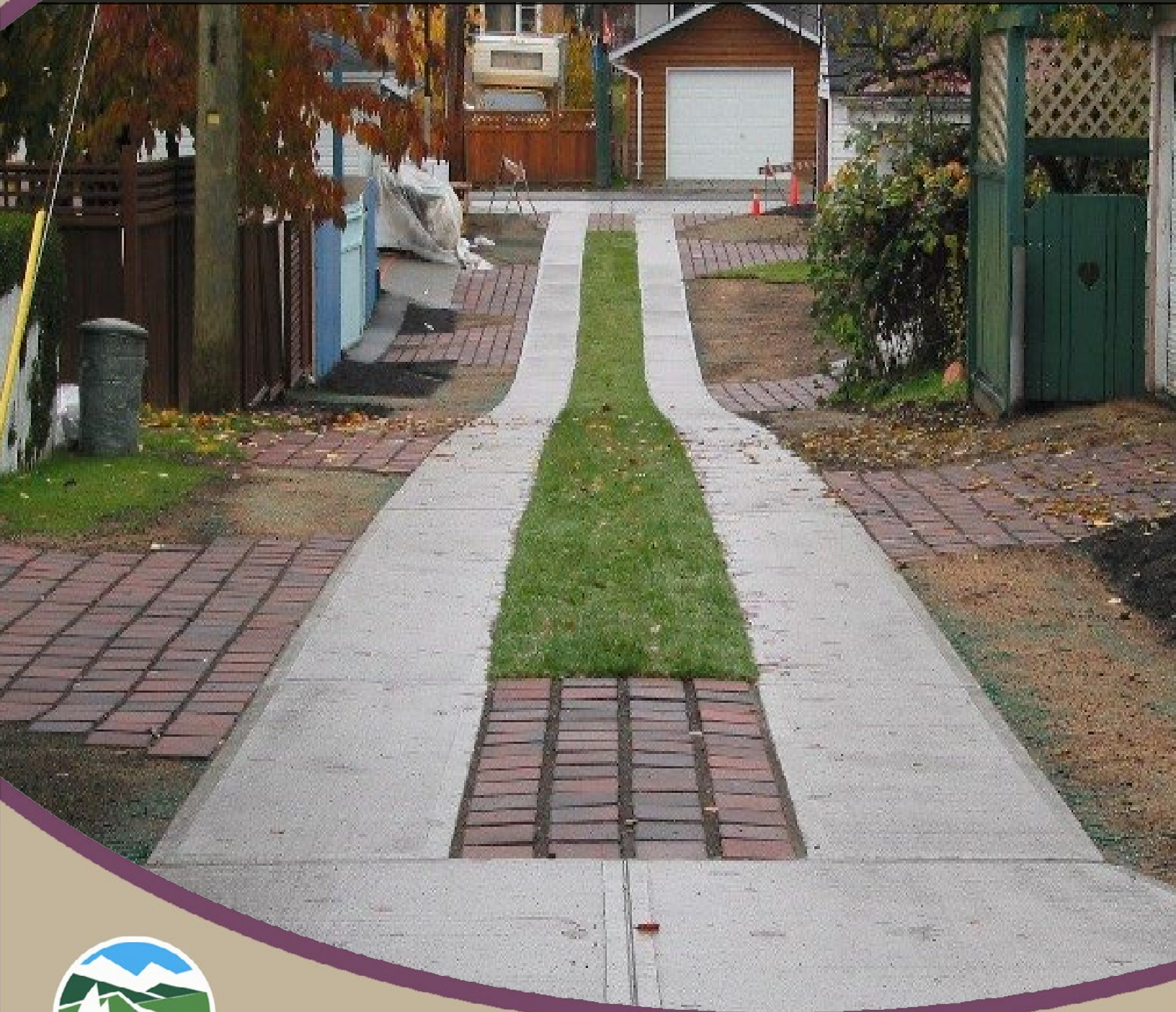
CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

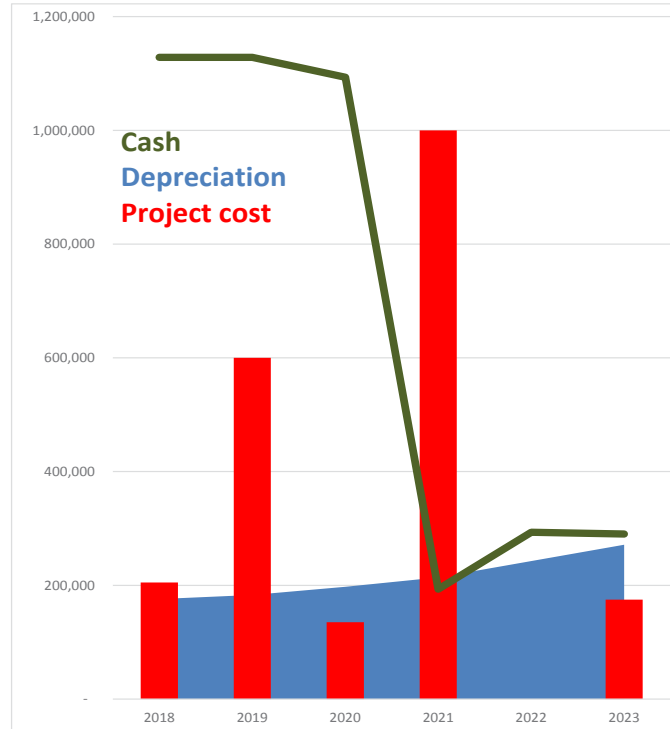


STORMWATER



STORMWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2018 - 2023
 MANAGER: CRAIG FULTON
 CONTACT: CFULTON@CITYOFPA.US
 PHONE: 360-417-4800



Comprehensive Plan Objectives Met:

- VII Goal A - provide s
- VII Goal B - support services with the assistance of outside agencies
- VII Goal C - provide safe, clean, usable and attractive public facilitie
- VII Goal D - efficient utility services in a cost effective and effective manner
- VII Goal E - provide customer service with honesty, integrity and flexibil

STORMWATER FUND GOALS AND OBJECTIVES:
 To build and manage stormwater drainage within the City.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	-	50,000	385,000	205,000	100,000	135,000	1,000,000	-	103,000
Grants	-	-	-	-	500,000	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	72,000
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 50,000	\$ 385,000	\$ 205,000	\$ 600,000	\$ 135,000	\$ 1,000,000	\$ -	\$ 175,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	10,000	95,000	-	135,000	-	-	175,000
Construction	-	-	425,000	110,000	600,000	-	1,000,000	-	-
TOTAL	\$ -	\$ -	\$ 435,000	\$ 205,000	\$ 600,000	\$ 135,000	\$ 1,000,000	\$ -	\$ 175,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	5,438	7,063	14,563	16,250	28,750	28,750
Other	65,000	45,000	500	450,500	500	1,500	1,500	1,500
TOTAL OTHER COSTS	\$ 65,000	\$ 45,000	\$ 5,938	\$ 457,563	\$ 15,063	\$ 17,750	\$ 30,250	\$ 30,250

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



STORMWATER PROJECT LIST & CASH FLOW

PROJECT TITLE	RANK	PROJECT	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023	
DR0213	H' Street Stormwater Outfall	A	510,000	-	-	400,000	110,000	-	-	-	-	
DR0215	Francis Street Outfall Repair	A	35,000	-	-	35,000	-	-	-	-	-	
DR0404	Canyon Edge & Ahlvers Stormwater	1	2,425,000	-	-	-	75,000	-	-	-	-	
DR0117	Peabody Street Water Quality Project	2	620,000	-	-	-	20,000	600,000	-	-	-	
DR0115	Liberty Street Stormwater Improvement	3	2,035,000	-	-	-	-	-	135,000	1,000,000	-	
DR0304	Laurel Street and US 101 Stormwater	4	575,000	-	-	-	-	-	-	-	75,000	
DR0804	Lincoln Park/Big Boy Pond Study	5	200,000	-	-	-	-	-	-	-	100,000	
DR0112	Valley Creek Culvert and Outfall	PL	600,000	-	-	-	-	-	-	-	-	
			6,455,000	-	-	435,000	205,000	600,000	135,000	1,000,000	-	175,000

CASH FLOW ANALYSIS	2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance		1,268,305	1,233,305	1,128,305	1,128,305	1,093,305	193,305	293,305
Funding sources:								
Utilities Reserves*		400,000	100,000	100,000	100,000	100,000	100,000	100,000
Grants		-	-	500,000	-	-	-	-
Bonds		-	-	-	-	-	-	-
General Fund		-	-	-	-	-	-	-
Donations/Insurance		-	-	-	-	-	-	72,000
Pending		-	-	-	-	-	-	-
Spending:								
Project cost		(435,000)	(205,000)	(600,000)	(135,000)	(1,000,000)	-	(175,000)
Ending Cash Balance	1,268,305	1,233,305	1,128,305	1,128,305	1,093,305	193,305	293,305	290,305
Depreciation	170,559	170,559	175,996	183,059	197,621	213,871	242,621	271,371
	7.44	7.23	6.41	6.16	5.53	0.90	1.21	1.07

Operating (based on 2016 budget plus 2.5% annually for expenses)	2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Operating Cash	546,362	777,344	679,944	885,606	598,795	718,449	792,479	820,770
Revenue	1,773,479	2,005,100	2,005,100	2,005,100	2,005,100	2,005,100	2,005,100	2,005,100
Expenses (projected at 2.5% CPI)	(1,328,371)	(1,657,500)	(1,698,938)	(1,741,411)	(1,784,946)	(1,829,570)	(1,875,309)	(1,922,192)
Direct Operating Expense increase	214,126	(45,000)	(500)	(450,500)	(500)	(1,500)	(1,500)	(1,500)
Trfs for capital from projected COSA								
Transfers	-	(400,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)
Projected operating cash	777,344	679,944	885,606	598,795	718,449	792,479	820,770	802,178

Capital can not be performed at this rate until rates are increased or the projects are postponed to future years. Current rate of spending is restricted by the amount of funds available. The COSA for 2017 will need to address funding at a higher level than is currently available, to build cash reserves and meet Council's desire to match depreciation at 100%. Contributions to capital were reduced to \$100,000 from \$400,000 annually, allowing operating cash to meet the 251 reserve requirement. Without further influx or cash this utility will continue to fall behind in capital investments.



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 -123.439159, 48.121783
 PROJECT MANAGER: JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Growth Management Goal A
Conservation Goal B

<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.

JUSTIFICATION:

The low elevation causes sand and gravel to collect in the culvert, which significantly reduces culvert capacity. We currently have to remove the debris manually, which was estimated to cost \$105,000 in 2012.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explained on individual sheets	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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>Comprehensive Plan Objectives Met:</i>
Public Utilities Goal C, D Capital Facilities Goal A Economic Development Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	1,000,000		\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	1,000,000	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	135,000		-	-
Construction	-	-	-	-	-	-	1,000,000		-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	1,000,000	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	1,688	14,188	14,188
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,688	\$ 14,188	\$ 14,188

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)

<i>Comprehensive Plan Objectives Met:</i>
Public Utilities C, D Conservation Goal B, Capital Facilities

<i>Maintenance Cost Descriptions:</i>
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. Apply for a Washington State Department of Ecology Grant.

JUSTIFICATION:

Removal of pollutants such as fecal coliform from the Peabody Creek Watershed.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ 20,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	500,000	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 20,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	20,000	-	-	-	-	-
Construction	-	-	-	-	600,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 20,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	250	7,750	7,750	7,750	7,750
Other -explained on individual sheets	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ 250	\$ 7,750	\$ 7,750	\$ 7,750	\$ 7,750

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 -123.464129, 48127391
 PROJECT MANAGER:
 JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Public Utilities Goal C, D Capital Facilities Goal A Economic Development Goal A
<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

ABOUT THE PROJECT:

Replace an existing undersized failing storm pipe between Marine Drive and a salt water 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	50,000	350,000	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 50,000	\$ 350,000	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	10,000	-	-	-	-	-	-
Construction	-	-	390,000	110,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 400,000	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	5,000	6,375	6,375	6,375	6,375	6,375
Other - annual maintenance/inspection	-	-	500	500	500	500	500	500
TOTAL OTHER COSTS	\$ -	\$ -	\$ 5,500	\$ 6,875	\$ 6,875	\$ 6,875	\$ 6,875	\$ 6,875

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



<i>Comprehensive Plan Objectives Met:</i>
Public Utilities Goal C, D Capital Facilities Goal A Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	35,000		\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-		-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	35,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	438	438	438	438	438	438
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ 438	\$ 438	\$ 438	\$ 438	\$ 438	\$ 438

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>Comprehensive Plan Objectives Met:</i>
Public Utilities Goal C, D Capital Facilities Goal A Economic Development Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -			\$ -	\$ -	\$ 3,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
PRD funds (310Cap)	-	-	-	-	-	-	-	-	72,000
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	75,000
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	1,000	1,000	1,000
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ 1,000

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



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 -123.434775, 48.894499
 PROJECT MANAGER: JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Comprehensive Plan Public Utilities C, D Capital Facilities Goal A Economic Development Goal A

<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 Phase 1 \$925,000; Phase 2 \$1.425 million.

JUSTIFICATION:

Flooding during large storms overtops stormwater system.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	75,000	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - annual maintenance	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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>Comprehensive Plan Objectives Met:</i>
Public Utilities Goal C, D Capital Facilities Goal A Economic Development Goal A

<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. Construction costs are in the parking lot.

JUSTIFICATION:

Prevent flooding in the fairground and areas west of Stevens Middle School.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	100,000
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

<i>Comprehensive Plan Objectives Met:</i>
Public Utilities Goal C, D, Transportation Goal A Capital Facilities Goal A Economic Development Goal A

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -Transfer to Street Project	15,000	45,000	-	450,000	-	-	-	-
TOTAL OTHER COSTS	\$ 15,000	\$ 45,000	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -

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



EQUIPMENT SERVICES



EQUIPMENT SERVICES CAPITAL FACILITY PLAN

CFP YEAR: 2018 - 2023
 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	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023						
				2018	2019	2020	2021	2022	2023	TOTAL
Utilities	4520	404,000	547,500	603,200	598,700	593,200	593,200	593,200	593,200	3,529,000
General Fund	4520	442,602	410,300	442,600	452,600	462,600	472,600	482,600	492,600	2,723,300
Sale of Vehicles & other	4520	9,024	-	-	-	-	-	-	-	-
Internal Service Funds	4520	40,400	2,000	2,000	2,000	2,000	2,000	2,000	2,000	12,000
TOTAL		\$ 896,026	\$ 959,800	\$ 1,047,800	\$ 1,053,300	\$ 1,057,800	\$ 1,067,800	\$ 1,077,800	\$ 1,087,800	\$ 6,264,300

EXPENDITURES		2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
Other Equipment/Generators	6410	90,461	-	-	-	-	-	-	-	-
Purchase of Vehicles	6410	743,401	1,728,300	1,228,600	1,356,200	894,200	676,900	1,253,500	1,120,200	7,137,700
TOTAL		\$ 833,862	\$ 1,728,300	\$ 1,228,600	\$ 1,356,200	\$ 894,200	\$ 676,900	\$ 1,253,500	\$ 1,120,200	\$ 7,137,700

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023	TOTAL
Fuel	3210	230,062	293,900	293,900	293,900	293,900	293,900	293,900	293,900	1,763,400
Parts & Repair	4521	990,710	1,167,348	1,167,348	1,167,348	1,167,348	1,167,348	1,167,348	1,167,348	7,004,088
Equipment Rental	4533	33,151	59,300	59,300	59,300	59,300	59,300	59,300	59,300	355,800
TOTAL MAINTENANCE		1,253,923	1,520,548	1,520,548	1,520,548	1,520,548	1,520,548	1,520,548	1,520,548	9,123,288

PROJECT EXPENDITURE LISTING BY YEAR EQUIPMENT SERVICES	ACTUAL 2016	BUDGET 2017	PROJECTED							
			2018	2019	2020	2021	2022	2023	TOTAL	
Finance	-	-	20,400	62,400	-	-	-	-	-	82,800
Community Development	-	-	-	-	-	-	35,200	35,800	-	71,000
Police	95,204	48,500	148,500	151,200	154,200	157,200	160,200	162,900	162,900	934,200
Fire & Medic 1	-	300,000	244,700	41,800	-	-	-	-	585,000	871,500
Parks & Recreation	-	84,000	76,500	148,200	-	20,500	30,700	92,400	-	368,300
Engineering	-	-	-	27,000	-	-	-	-	-	27,000
Light Ops	275,889	335,800	-	353,600	111,400	43,200	33,000	-	-	541,200
Water	-	16,000	280,500	-	38,200	148,000	71,500	56,000	-	594,200
Wastewater	10,461	510,000	-	62,400	-	-	112,200	53,800	-	228,400
Solid Waste	331,864	-	398,800	41,600	394,300	-	381,700	-	-	1,216,400
Stormwater	-	20,000	-	-	-	78,000	-	-	-	78,000
Conservation	-	-	-	-	-	-	-	-	-	-
Equipment Services	-	80,000	38,800	78,000	-	68,000	165,000	7,700	-	357,500
Information Services	7,000	-	-	-	-	-	-	-	-	-
Streets	22,983	334,000	20,400	390,000	196,100	162,000	264,000	126,600	-	1,159,100
TOTAL EXPENDITURES PROJECTED	743,401	1,728,300	1,228,600	1,356,200	894,200	676,900	1,253,500	1,120,200	-	6,529,600

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

CASH FLOW ANALYSIS	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance	4,123,366	4,324,196	3,555,696	3,374,896	3,071,996	3,235,596	3,626,496	3,450,796
Vehicle purchases	(743,401)	(1,728,300)	(1,228,600)	(1,356,200)	(894,200)	(676,900)	(1,253,500)	(1,120,200)
Funding sources:								
Utilities Reserves	404,000	547,500	603,200	598,700	593,200	593,200	593,200	593,200
General Fund	442,602	410,300	442,600	452,600	462,600	472,600	482,600	492,600
Sales, Interest & Grants	96,229	-	-	-	-	-	-	-
Internal Service Funds	1,400	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	4,324,196	3,555,696	3,374,896	3,071,996	3,235,596	3,626,496	3,450,796	3,418,396



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	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	-	30,000	20,000	15,500	10,000	10,000	10,000	10,000
General Fund	4520	-	-	-	-	-	-	-	-
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ -	\$ 30,000	\$ 20,000	\$ 15,500	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000

EXPENDITURES										
Other Equipment & Attachments		-	-	-	-	-	-	-	-	-
Planned Use of Reserves		-	-	20,400	62,400	-	-	-	-	-
TOTAL		\$ -	\$ -	\$ 20,400	\$ 62,400	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Parts & Repair	4521	14,531	8,800	8,800	8,800	8,800	8,800	8,800	8,800
Equipment Rental	4533	223	300	300	300	300	300	300	300
TOTAL MAINTENANCE		17,842	13,200	13,200	13,200	13,200	13,200	13,200	13,200

REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	Replacement Cost	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017 Dispose	2018	2019	2020	2021	2022	2023
Ford Police Cruiser	2002	2017	20,000	15	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GMC SONOMA PICKUP	1994	2018	20,000	24	-	-	20,400	-	-	-	-	-
GMC CANYON	2004	2019	30,000	15	-	-	-	31,200	-	-	-	-
GMC CANYON	2004	2019	30,000	15	-	-	-	31,200	-	-	-	-
TOTAL			100,000		\$ -	\$ -	\$ 20,400	\$ 62,400	\$ -	\$ -	\$ -	\$ -

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	16,954	17,171	47,171	46,771	(129)	9,871	19,871	29,871
Contributions	217	30,000	20,000	15,500	10,000	10,000	10,000	10,000
Reserves Used	-	-	(20,400)	(62,400)	-	-	-	-
Projected year end Cash	17,171	47,171	46,771	(129)	9,871	19,871	29,871	39,871

Replacement value is based on the current replacement need. These vehicles are used by meter readers who not only read specific routes but assist in turn on and shut off of services for Electric, Water and Wastewater.



COMMUNITY DEVELOPMENT VEHICLE REPLACEMENT SCHEDULE DIVISION - 4020-4030

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Code Enforcement Officer and the Planning Department.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities Transfer truck to Stormwater from CD	4520	-	-	-	-	-	-	-	-
General Fund	4520	1,200	1,200	3,000	3,000	3,000	3,000	3,000	3,000
Sale/purchase of internal Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 1,200	\$ 1,200	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000

EXPENDITURES	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Other Equipment & Attachments	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	-	-	-	-	-	35,200	35,800
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,200	\$ 35,800

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Fuel	3210	1,267	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Parts & Repair	4521	2,746	3,100	3,100	3,100	3,100	3,100	3,100	3,100
Equipment Rental	4533	-	200	200	200	200	200	200	200
TOTAL MAINTENANCE	12264	4,013	5,300	5,300	5,300	5,300	5,300	5,300	5,300

REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
FORD F150	2008	2023	32,000	15	\$ -	-	-	-	-	-	-	35,800
GMC Sierra	2007	2022	32,000	15	-	-	-	-	-	-	35,200	-
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,200	\$ 35,800

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	51,816	53,694	54,894	57,894	60,894	63,894	66,894	34,694
Contributions	1,878	1,200	3,000	3,000	3,000	3,000	3,000	3,000
Reserves Used	-	-	-	-	-	-	(35,200)	(35,800)
Projected year end Cash	53,694	54,894	57,894	60,894	63,894	66,894	34,694	1,894

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	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	-	-	-	-	-	-	-	-
General Fund	4520	94,500	94,500	125,000	135,000	145,000	155,000	165,000	175,000
Sale of Vehicles	395-XXXX	8,405	-	-	-	-	-	-	-
Internal Service Funds/Grants	4520	39,000	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 141,905	\$ 94,500	\$ 125,000	\$ 135,000	\$ 145,000	\$ 155,000	\$ 165,000	\$ 175,000

EXPENDITURES									
Other Equipment & Attachments		-	-	-	-	-	-	-	-
Replacement of Vehicles		96,000	48,500	148,500	151,200	154,200	157,200	160,200	162,900
TOTAL		\$ 96,000	\$ 48,500	\$ 148,500	\$ 151,200	\$ 154,200	\$ 157,200	\$ 160,200	\$ 162,900

MAINTENANCE									
	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Fuel	3210	44,466	54,100	54,100	54,100	54,100	54,100	54,100	54,100
Parts & Repair	4521	160,125	139,100	139,100	139,100	139,100	139,100	139,100	139,100
Equipment Rental	4533	1,073	500	500	500	500	500	500	500
TOTAL MAINTENANCE		205,664	193,700	193,700	193,700	193,700	193,700	193,700	193,700

REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE COST	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Other (replace car being held by prosecu	2017		48,500	11	-	48,500	-	-	-	-	-	-
FORD EXPEDITION	2009	2021	48,500	12	-	-	-	-	-	52,400	-	-
FORD CROWN VICTORIA	2005	2020	48,500	15	-	-	-	-	51,400	-	-	-
DODGE CHARGER	2009	2025	48,500	16	-	-	-	-	-	-	-	-
DODGE CHARGER	2010	2023	48,500	13	-	-	-	-	-	-	-	54,300
DODGE CHARGER	2010	2023	48,500	13	-	-	-	-	-	-	-	54,300
DODGE CHARGER	2010	2023	48,500	13	-	-	-	-	-	-	-	54,300
DODGE CHARGER	2011	2022	48,500	11	-	-	-	-	-	-	53,400	-
FORD CROWN VICTORIA	2005	2019	48,500	14	-	-	-	50,400	-	-	-	-
FORD CROWN VICTORIA	2005	2020	48,500	15	-	-	-	-	51,400	-	-	-
FORD CROWN VICTORIA	2007	2022	48,500	15	-	-	-	-	-	-	53,400	-
FORD CROWN VICTORIA	2007	2021	48,500	14	-	-	-	-	-	52,400	-	-
FORD CROWN VICTORIA	2007	2019	48,500	12	-	-	-	50,400	-	-	-	-
CHEVROLET CAPRICE	2011	2024	48,500	13	-	-	-	-	-	-	-	-
CHEVROLET CAPRICE	2011	2024	48,500	13	-	-	-	-	-	-	-	-
DODGE CHARGER	2013	2024	48,500	11	-	-	-	-	-	-	-	-
CHEVROLET TAHOE	2014	2026	48,500	12	-	-	-	-	-	-	-	-
DODGE CHARGER	2013	2025	48,500	12	-	-	-	-	-	-	-	-
FORD CROWN VICTORIA	2005	2021	48,500	16	-	-	-	-	-	52,400	-	-
DODGE CHARGER	2014	2025	48,500	11	-	-	-	-	-	-	-	-
GMC TAHOE	2014	2027	48,500	13	-	-	-	-	-	-	-	-
DODGE CHARGER	2012	2026	48,500	14	-	-	-	-	-	-	-	-
DODGE CHARGER	2011	2027	48,500	16	-	-	-	-	-	-	-	-
DODGE CHARGER	2011	2027	48,500	16	-	-	-	-	-	-	-	-
Radar Trailer	2009	2028	48,500	19	-	-	-	-	-	-	-	-
DODGE CHARGER	2016	2028	48,500	12	48,308	-	-	-	-	-	-	-
DODGE CHARGER	2016	2028	48,500	12	46,896	-	-	-	-	-	-	-
FORD CROWN VICTORIA	2004	2022	48,500	18	-	-	-	-	-	-	53,400	-
FORD CROWN VICTORIA	2004	2017	48,500	13	-	-	-	-	-	-	-	-
FORD CROWN VICTORIA	2005	2020	48,500	15	-	-	-	-	51,400	-	-	-
VOLUNTEER PICKUP	2006	2026	48,500	20	-	-	-	-	-	-	-	-
CHEVROLET IMPALA	2006	2018	48,500	12	-	-	49,500	-	-	-	-	-
CHEVROLET IMPALA	2006	2018	48,500	12	-	-	49,500	-	-	-	-	-
FORD CROWN VICTORIA	2007	2019	48,500	12	-	-	-	50,400	-	-	-	-
FORD CROWN VICTORIA	2007	2018	48,500	11	-	-	49,500	-	-	-	-	-
OPNET VEHICLE (no replacement)												
			1,697,500		\$ 95,204	\$ 48,500	\$ 148,500	\$ 151,200	\$ 154,200	\$ 157,200	\$ 160,200	\$ 162,900

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	347,202	398,941	444,941	421,441	405,241	396,041	393,841	398,641
CONTRIBUTIONS	146,943	94,500	125,000	135,000	145,000	155,000	165,000	175,000
Use of replacement funds	(95,204)	(48,500)	(148,500)	(151,200)	(154,200)	(157,200)	(160,200)	(162,900)
Projected year end Cash	398,941	444,941	421,441	405,241	396,041	393,841	398,641	410,741



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	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	46,100	46,100	46,100	46,100	46,100	46,100	46,100	46,100
General Fund	4520	90,800	92,800	92,800	92,800	92,800	92,800	92,800	92,800
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 136,900	\$ 138,900	\$ 138,900	\$ 138,900	\$ 138,900	\$ 138,900	\$ 138,900	\$ 138,900

EXPENDITURES									
Other Equipment & Attachments		-	-	-	-	-	-	-	-
Replacement of Vehicles		-	300,000	244,700	41,800	-	-	-	585,000
TOTAL		\$ -	\$ 300,000	\$ 244,700	\$ 41,800	\$ -	\$ -	\$ -	\$ 585,000

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017						
				2018	2019	2020	2021	2022	2023
Fuel	3210	23,906	21,900	21,900	21,900	21,900	21,900	21,900	21,900
Parts & Repair	4521	51,536	93,000	93,000	93,000	93,000	93,000	93,000	93,000
Equipment Rental	4533	-	100	100	100	100	100	100	100
TOTAL MAINTENANCE		75,442	115,000	115,000	115,000	115,000	115,000	115,000	115,000

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
FIRE DEPARTMENT												
PIERCE PUMPER	1999	2023	450,000	24	-	-	-	-	-	-	-	585,000
GMC ENVOY	2004	2018	30,000	14	-	-	31,500	-	-	-	-	-
GMC 4X4	2004	2018	38,000	14	-	-	39,900	-	-	-	-	-
FORD TAURUS SEDAN	2005	2017	30,000	12	-	-	-	-	-	-	-	-
PIERCE AERIAL/PUMPER	2006	2036	1,200,000	30	-	-	-	-	-	-	-	-
4X4 TRUCK	2007	2019	38,000	12	-	-	-	41,800	-	-	-	-
AIR TRUCK -do not replace	2009		165,000		-	-	-	-	-	-	-	-
NEW PUMPER	2017	2041	300,000	24	-	300,000	-	-	-	-	-	-
PIERCE FIRE PUMPER	2010	2034	450,000	24	-	-	-	-	-	-	-	-
MEDIC 1												
FORD AMBULANCE	2000	2018	165,000	18	-	-	173,300	-	-	-	-	-
FORD AMBULANCE	2015	2033	165,000	18	-	-	-	-	-	-	-	-
FORD E350 AMBULANCE	2006	2024	165,000	18	-	-	-	-	-	-	-	-
					\$ -	\$ 300,000	\$ 244,700	\$ 41,800	\$ -	\$ -	\$ -	\$ 585,000

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	605,637	752,034	590,934	485,134	582,234	721,134	860,034	998,934
Contributions	146,397	138,900	138,900	138,900	138,900	138,900	138,900	138,900
Reserves Used	-	(300,000)	(244,700)	(41,800)	-	-	-	(585,000)
Projected year end Cash	752,034	590,934	485,134	582,234	721,134	860,034	998,934	552,834

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	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	-	-	-	-	-	-	-	-
General Fund	4520	4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 4,100	\$ 4,100	\$ 4,100	\$ 4,100	\$ 4,100	\$ 4,100	\$ 4,100	\$ 4,100

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	27,000	-	-	-	-
TOTAL		\$ -	\$ -	\$ -	\$ 27,000	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017						
				2018	2019	2020	2021	2022	2023
Fuel	3210	1,171	2,700	2,700	2,700	2,700	2,700	2,700	2,700
Parts & Repair	4521	4,795	4,795	4,795	4,795	4,795	4,795	4,795	4,795
Equipment Rental	4533	855	1,800	1,800	1,800	1,800	1,800	1,800	1,800
TOTAL MAINTENANCE		6,821	9,295	9,295	9,295	9,295	9,295	9,295	9,295

REPLACEMENT DETAIL	REPLACE	Replacement Cost	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
GMC SIERRA	2004	2024	26,000	20	-	-	-	-	-	-	-
GMC SIERRA	2004	2019	26,000	15	-	-	27,000	-	-	-	-
GMC SAVANA PU	2005	2025	40,000	20	-	-	-	-	-	-	-
					\$ -	\$ -	\$ 27,000	\$ -	\$ -	\$ -	\$ -

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	55,785	60,651	64,751	68,851	45,951	50,051	54,151	58,251
Contributions	4,866	4,100	4,100	4,100	4,100	4,100	4,100	4,100
Reserves Used	-	-	-	(27,000)	-	-	-	-
Projected year end Cash	60,651	64,751	68,851	45,951	50,051	54,151	58,251	62,351

Maintenance items can vary substantially based on the cost of fuel and/or parts.



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	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	-	-	-	-	-	-	-	-
General Fund	4520	63,700	63,700	63,700	63,700	63,700	63,700	63,700	63,700
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 63,700	\$ 63,700	\$ 63,700	\$ 63,700	\$ 63,700	\$ 63,700	\$ 63,700	\$ 63,700

EXPENDITURES										
Other Equipment & Attachments		-	-	-	-	-	-	-	-	-
Replacement of Vehicles		-	84,000	76,500	148,200	-	20,500	30,700	92,400	
TOTAL		\$ -	\$ 84,000	\$ 76,500	\$ 148,200	\$ -	\$ 20,500	\$ 30,700	\$ 92,400	

MAINTENANCE										
Fuel	3210	28,612	36,200	36,200	36,200	36,200	36,200	36,200	36,200	36,200
Parts & Repair	4521	110,751	133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000
Equipment Rental	4533	3,541	9,100	9,100	9,100	9,100	9,100	9,100	9,100	9,100
TOTAL MAINTENANCE		142,904	178,300	178,300	178,300	178,300	178,300	178,300	178,300	178,300

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
SENIOR CENTER												
FORD EL DORADO BUS	2002	2017	86,000	15	-	-	-	-	-	-	-	-
CEMETERY												
GRASSHOPPER MOWER 725DR/37461	2012	2027	17,611	15	-	-	-	-	-	-	-	-
JCB BACKHOE	2012	2037	105,000	25	-	-	-	-	-	-	-	-
JOHN DEERE GATOR TS	2014	2029	10,404	15	-	-	-	-	-	-	-	-
DODGE 1T TRUCK 4X4 W/SNOW BOSS	1999	2019	55,000	20	-	-	-	57,200	-	-	-	-
PARKS OPERATIONS												
GMC BUCKET TRUCK	1991	2017	84,000	26	-	84,000	-	-	-	-	-	-
TRAILER	1985	2025	2,500	40	-	-	-	-	-	-	-	-
TRAILER	1980	2015	2,500	35	-	-	-	-	-	-	-	-
SANI UTILITY TRAILER	1970	2005	2,500	35	-	-	-	-	-	-	-	-
GROUNDMASTER MOWER 3280D	2012	2027	22,902	15	-	-	-	-	-	-	-	-
GROUNDMASTER MOWER 3280D BLOW	2012	2027	28,035	15	-	-	-	-	-	-	-	-
TORO MOWER	2012	2027	25,225	15	-	-	-	-	-	-	-	-
JOHN DEERE FIELD RAKE	2012	2027	10,653	15	-	-	-	-	-	-	-	-
GMC 1 TON FLATBED TRUCK	2013	2028	31,414	15	-	-	-	-	-	-	-	-
FORD F450 FLATBED TRUCK	2014	2029	46,131	15	-	-	-	-	-	-	-	-
TORO TURF SWEEPER	2014	2024	32,559	10	-	-	-	-	-	-	-	-
JOHN DEERE FIELD RAKE	2015	2030	13,473	15	-	-	-	-	-	-	-	-
JOHN DEERE FIELD RAKE	1997	2017	10,300	20	-	-	-	-	-	-	-	-
DODGE 1 TON TRUCK 4X4 W/SNOW BL	1999	2017	38,000	18	-	-	-	-	-	-	-	-
DODGE 3/4T Truck 4X4 w/SNOW BLOW	1999	2017	30,000	18	-	-	-	-	-	-	-	-
DODGE RAM 3/4TON TRUCK	2001	2017	40,000	16	-	-	-	-	-	-	-	-
FORD NEWHOLLAND TRACTOR	2002	2032	25,153	30	-	-	-	-	-	-	-	-
GRASSHOPPER MOWER	2001	2021	19,000	20	-	-	-	-	-	20,500	-	-
UNIVERSAL EQUIPMENT TRAILER (SM)	1994	2034	-	40	-	-	-	-	-	-	-	-
GMC SIERRA 3500 PU	2004	2019	47,500	15	-	-	-	49,400	-	-	-	-
GMC SIERRA 3500 PU	2004	2023	47,500	19	-	-	-	-	-	-	-	53,200
GMC SIERRA 4X4 1500	2004	2024	37,000	20	-	-	-	-	-	-	-	-
KUBOTA TRACTOR	2005	2025	35,000	20	-	-	-	-	-	-	-	-
GROUNDMASTER MOWER	2005	2018	75,000	13	-	-	76,500	-	-	-	-	-
10000# TRAILER	2005	2030	2,936	25	-	-	-	-	-	-	-	-
FORD F450 w/DUMP	2006	2026	80,000	20	-	-	-	-	-	-	-	-
JOHN DEERE GATOR TS	2006	2026	6,054	20	-	-	-	-	-	-	-	-
GMC .75T SIERRA TRUCK	2006	2023	35,000	17	-	-	-	-	-	-	-	39,200
FORD F450 w/DUMP	2007	2027	35,583	20	-	-	-	-	-	-	-	-
PAINT SPRAYER- WALK BEHIND	2006	2026	2,980	20	-	-	-	-	-	-	-	-
FORD F250 TRUCK	2007	2027	40,000	20	-	-	-	-	-	-	-	-
TORO AERATOR W/TINES	2007	2022	27,919	15	-	-	-	-	-	-	30,700	-
TOP DRESSER	2007	2027	21,918	20	-	-	-	-	-	-	-	-
EAGLE 6X10 TRAILER	2008	2043	2,500	35	-	-	-	-	-	-	-	-
FACILITIES												
GMC SAVANA VAN	2005	2025	40,000	20	-	-	-	-	-	-	-	-
GMC SAVANA VAN	2004	2019	40,000	15	-	-	-	41,600	-	-	-	-
SCISSOR LIFT (VERN BURTON)	2004	2034	10,245	30	-	-	-	-	-	-	-	-
					\$ -	\$ 84,000	\$ 76,500	\$ 148,200	\$ -	\$ 20,500	\$ 30,700	\$ 92,400

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	333,952	403,346	383,046	370,246	285,746	349,446	392,646	425,646
Contributions	69,393	63,700	63,700	63,700	63,700	63,700	63,700	63,700
Reserves Used	-	(84,000)	(76,500)	(148,200)	-	(20,500)	(30,700)	(92,400)
Projected year end Cash	403,346	383,046	370,246	285,746	349,446	392,646	425,646	396,946

*Replacement in original budget twice to be reduced in the 1Q17 amendment.



STREETS VEHICLE REPLACEMENT SCHEDULE

DIVISION - 7230

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Streets operations vehicles.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	-	-	-	-	-	-	-	-
General Fund	4520	154,000	154,000	154,000	154,000	154,000	154,000	154,000	154,000
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 154,000	\$ 154,000	\$ 154,000	\$ 154,000	\$ 154,000	\$ 154,000	\$ 154,000	\$ 154,000

EXPENDITURES									
Other Equipment		30,000	-	-	-	-	-	-	-
Replacement of Vehicles		(17)	334,000	20,400	390,000	196,100	162,000	264,000	126,600
TOTAL		\$ 29,983	\$ 334,000	\$ 20,400	\$ 390,000	\$ 196,100	\$ 162,000	\$ 264,000	\$ 126,600

MAINTENANCE									
Fuel	3210	28,811	42,800	42,800	42,800	42,800	42,800	42,800	42,800
Parts & Repair	4521	204,108	204,108	204,108	204,108	204,108	204,108	204,108	204,108
Equipment Rental	4533	18,108	19,700	19,700	19,700	19,700	19,700	19,700	19,700
TOTAL MAINTENANCE	12264	251,026	266,608	266,608	266,608	266,608	266,608	266,608	266,608

REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
MELT POT	2009	2024	12,000	15	-	-	-	-	-	-	-	-
HYDRO SEEDER	2010	2025	13,500	15	-	-	-	-	-	-	-	-
WATER TANK TRAILER	2010	2030	12,061	20	-	-	-	-	-	-	-	-
TRAFFIC BOARD	2010	2030	16,065	20	-	-	-	-	-	-	-	-
FREIGHTLINER AIR SWEEPER	2012	2032	224,834	20	-	-	-	-	-	-	-	-
EXCAVATOR TRAILER	2012	2032	4,350	20	-	-	-	-	-	-	-	-
EXCAVATOR	2012	2032	110,431	20	-	-	-	-	-	-	-	-
FORD F450 FLATBED	2013	2025	43,317	12	-	-	-	-	-	-	-	-
CRACK SEALER	2013	2038	60,867	25	-	-	-	-	-	-	-	-
JOHN DEERE GRADER 14'	2008	2033	156,519	25	-	-	-	-	-	-	-	-
BITIMOUS APPLICATOR	2015	2030	21,572	15	-	-	-	-	-	-	-	-
STREET FLUSHER	1992	2017	73,111	25	-	Surplus	-	-	-	-	-	-
NEW HOLLAND BOOM TRUCK	2001	2021	75,000	20	-	-	-	-	-	81,000	-	-
ELGIN SWEEPER	2015	2035	110,183	20	-	-	-	-	-	-	-	-
FREIGHTLINER W/PATCH BOX	2001	2019	160,000	18	-	-	-	166,400	-	-	-	-
LINCOLN TILTBED TRAILER	1994	2024	20,198	30	-	-	-	-	-	-	-	-
FORD 6-8 YD DUMP	1990	2019	150,000	29	-	-	-	156,000	-	-	-	-
BOMAG ASPHALT ROLLER	1993	2020	25,000	27	-	-	-	-	26,500	-	-	-
INGERSOL RAND COMPRESSOR TRAILER	1993	2018	20,000	25	-	-	20,400	-	-	-	-	-
TRAILER	1985	2015	4,000	30	-	-	-	-	-	-	-	-
FREIGHTLINER DUMP TRUCK	2001	2020	150,000	19	-	-	-	-	159,000	-	-	-
INTERNATIONAL 2YD DUMP	2004	2022	150,000	18	-	-	-	-	-	165,000	-	-
GMC SIERRA	2004	2019	65,000	15	-	-	-	67,600	-	-	-	-
ASPHALT HEATER	2005	2020	10,000	15	-	-	-	-	10,600	-	-	-
GMC CANYON PU 4X4	2006	2023	38,000	17	-	-	-	-	-	-	-	42,600
FORD F550 DUMP TRUCK	2006	2021	75,000	15	-	-	-	-	-	81,000	-	-
MESSAGE BOARD (7505)	2006	2031	9,310	25	-	-	-	-	-	-	-	-
PUCKET ASPHALT PAVER	2006	2026	37,867	20	-	-	-	-	-	-	-	-
MONROE SAND SPREADER	2007	2022	14,978	15	-	-	-	-	-	-	16,500	-
FORD F450 BOX TRUCK	2007	2022	75,000	15	-	-	-	-	-	-	82,500	-
FORD FLATBED	2008	2023	75,000	15	-	-	-	-	-	-	-	84,000
PF DECKOVER TILT TRAILER	2008	2033	7,218	25	-	-	-	-	-	-	-	-
HERB SPRAY ATTACH.	2017	2027	9,000	10	-	9,000	-	-	-	-	-	-
10 YD ROLLOFF DUMP TRUCK	2017	2032	325,000	15	-	325,000	-	-	-	-	-	-
TRAFFIC CRASH ATTENUATOR	2016	2031	30,000	15	29,983	-	-	-	-	-	-	-
TOTAL					\$ 29,983	\$ 334,000	\$ 20,400	\$ 390,000	\$ 196,100	\$ 162,000	\$ 264,000	\$ 126,600

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Cash Balance	571,227	704,135	524,135	657,735	421,735	379,635	371,635	261,635
Contributions	162,892	154,000	154,000	154,000	154,000	154,000	154,000	154,000
Reserves Used	(29,983)	(334,000)	(20,400)	(390,000)	(196,100)	(162,000)	(264,000)	(126,600)
Projected year end Cash	704,135	524,135	657,735	421,735	379,635	371,635	261,635	289,035

Maintenance items can vary substantially based on the cost of fuel and/or parts.



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	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	126,300	91,300	125,000	125,000	125,000	125,000	125,000	125,000
General Fund	4520	-	-	-	-	-	-	-	-
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 126,300	\$ 91,300	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		622	275,889	335,800	-	353,600	111,400	43,200	33,000
TOTAL		\$ 622	\$ 275,889	\$ 335,800	\$ -	\$ 353,600	\$ 111,400	\$ 43,200	\$ 33,000

MAINTENANCE									
	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Fuel	3210	24,360	31,600	31,600	31,600	31,600	31,600	31,600	31,600
Parts & Repair	4521	142,886	148,500	148,500	148,500	148,500	148,500	148,500	148,500
Equipment Rental	4533	5,277	7,600	7,600	7,600	7,600	7,600	7,600	7,600
TOTAL MAINTENANCE		172,524	187,700	187,700	187,700	187,700	187,700	187,700	187,700

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
DODGE RAM TRUCK	2001	2017	66,800	16	-	66,800	-	-	-	-	-	-
DODGE RAM TRUCK	2001	2017	75,000	16	-	75,000	-	-	-	-	-	-
SINGLE REEL TRAILER	2001	2026	25,000	25	-	-	-	-	-	-	-	-
CATERPILLAR FORKLIFT	1987	2022	30,000	35	-	-	-	-	-	-	33,000	-
FREIGHTLINER FLATBED TRUCK W/BOOM	1993	2008	175,000	15	-	194,000	-	-	-	-	-	-
FREIGHTLINER/VERSALIFT MANLIFT TRUC	1999	2019	265,000	20	-	-	-	275,600	-	-	-	-
BRUSH CHIPPER	2000	2025	29,741	25	-	-	-	-	-	-	-	-
BUTLER 3-REEL WIRE TRAILER	1989	2029	17,501	40	-	-	-	-	-	-	-	-
TENSIONER	1991	2026	25,000	35	-	-	-	-	-	-	-	-
FREIGHTLINER BUCKET TRUCK	2017	2032	-	15	275,889	-	-	-	-	-	-	-
FORD 1 TON W/UTILITY BOX	2009	2024	65,000	15	-	-	-	-	-	-	-	-
REEL TRAILER	2009	2034	8,500	25	-	-	-	-	-	-	-	-
DIGGER DERRICK	2011	2036	275,000	25	-	-	-	-	-	-	-	-
MANLIFT	2011	2036	265,000	25	-	-	-	-	-	-	-	-
FORD F550 4X4 W/DUMP BED	2013	2038	80,000	25	-	-	-	-	-	-	-	-
CHEV VAN 3/4 TON	2014	2029	45,000	15	-	-	-	-	-	-	-	-
FORD TRUCK W/BUCKET LIFT	2014	2034	150,000	20	-	-	-	-	-	-	-	-
GMC FLATBED 1 TON 4X4	2015	2030	51,126	15	-	-	-	-	-	-	-	-
FREIGHTLINER w/BUCKET LIFT	2016	2031	265,300	15	-	-	-	-	-	-	-	-
GMC SAVANA	2004	2019	40,000	15	-	-	-	41,600	-	-	-	-
FORKLIFT	2004	2024	50,000	20	-	-	-	-	-	-	-	-
POLELIFT TRAILER	2004	2029	7,000	25	-	-	-	-	-	-	-	-
SIDEWALK SWEEPER	2004	2029	-	25	-	Remove	-	-	-	-	-	-
BOBCAT AND TRAILER	2005	2020	50,000	15	-	-	-	-	53,000	-	-	-
SMALL TRAILER	2005	2030	5,000	25	-	-	-	-	-	-	-	-
GMC SAVANA VAN	2006	2021	40,000	15	-	-	-	-	-	43,200	-	-
CHEVY SILVERADO PU	2006	2019	35,000	13	-	-	-	36,400	-	-	-	-
STUMP GRINDER	2007	2022	-	15	-	Surplus	-	-	-	-	-	-
CHEVY BLAZER	2004	2020	27,500	16	-	-	-	-	29,200	-	-	-
CHEVY BLAZER	2004	2020	27,500	16	-	-	-	-	29,200	-	-	-
					622	\$ 275,889	\$ 335,800	\$ -	\$ 353,600	\$ 111,400	\$ 43,200	\$ 33,000

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	528,007	383,257	138,757	263,757	35,157	48,757	130,557	222,557
Contributions	131,140	91,300	125,000	125,000	125,000	125,000	125,000	125,000
Reserves Used	(275,889)	(335,800)	-	(353,600)	(111,400)	(43,200)	(33,000)	-
Projected year end Cash	383,257	138,757	263,757	35,157	48,757	130,557	222,557	347,557

Maintenance items can vary substantially based on the cost of fuel and/or parts.



WATER VEHICLE REPLACEMENT SCHEDULE

DIVISION - 7380

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Water Operations.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	56,400	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	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 56,400	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		-	16,000	280,500	-	38,200	148,000	71,500	56,000
TOTAL		\$ -	\$ 16,000	\$ 280,500	\$ -	\$ 38,200	\$ 148,000	\$ 71,500	\$ 56,000

MAINTENANCE									
	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Fuel	3210	13,347	13,400	13,400	13,400	13,400	13,400	13,400	13,400
Parts & Repair	4521	59,509	59,509	59,509	59,509	59,509	59,509	59,509	59,509
Equipment Rental	4533	2,134	3,700	3,700	3,700	3,700	3,700	3,700	3,700
TOTAL MAINTENANCE		74,990	76,609	76,609	76,609	76,609	76,609	76,609	76,609

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
GENERATOR TRAILER MOUNTED	2003	2023	50,000	20	-	-	-	-	-	-	-	56,000
GENIE PERSONAL LIFT (WTP)	2010	2025	12,000	15	-	-	-	-	-	-	-	-
FORD W/UTILITY BOX	2012	2027	65,000	15	-	-	-	-	-	-	-	-
STL TRUCK FLATBED W/CRANE	2005	2030	-	25	-	Surplus	-	-	-	-	-	-
GMC 5 TON 4x4	2014	2026	28,000	12	-	-	-	-	-	-	-	-
JOHN DEERE BACKHOE LOADER	1991	2018	125,000	27	-	-	127,500	-	-	-	-	-
APTECH GENERATOR	1997	2022	65,000	25	-	-	-	-	-	-	71,500	-
AIR COMPRESSOR	1985	2010	25,000	25	-	-	-	-	-	-	-	-
GMC 5-8 CY DUMP TRUCK	1993	2018	150,000	25	-	-	153,000	-	-	-	-	-
YAMAHA	2004	2024	5,500	20	-	-	-	-	-	-	-	-
FORD F550 DUMP	2006	2026	80,000	20	-	-	-	-	-	-	-	-
FORD F550	2006	2021	65,000	15	-	-	-	-	-	70,200	-	-
GMC CANYON TRUCK 4X2	2006	2021	36,000	15	-	-	-	-	-	38,900	-	-
GMC CANYON TRUCK 4X2	2006	2021	36,000	15	-	-	-	-	-	38,900	-	-
GMC CANYON TRUCK 4X2	2006	2020	36,000	14	-	-	-	-	38,200	-	-	-
HYDRAULIC WINCH (ON #1260)	2017	2032	16,000	15	-	16,000	-	-	-	-	-	-
50% VACTOR TRUCK	2012	2027	260,000	15	-	-	-	-	-	-	-	-
GMC TRUCK	2007	7467	27,000	15	-	-	-	-	-	-	-	-
					\$ -	\$ 16,000	\$ 280,500	\$ -	\$ 38,200	\$ 148,000	\$ 71,500	\$ 56,000

*Surplus 1360 for 10 yd to purchase 10 yd dump in Streets.

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	287,990	348,794	392,794	172,294	232,294	254,094	166,094	154,594
Contributions	60,805	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Reserves Used	-	(16,000)	(280,500)	-	(38,200)	(148,000)	(71,500)	(56,000)
Projected year end Cash	348,794	392,794	172,294	232,294	254,094	166,094	154,594	158,594

Maintenance items can vary substantially based on the cost of fuel and/or parts.



WASTEWATER VEHICLE REPLACEMENT SCHEDULE

DIVISION - 7480

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Wastewater division.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	51,000	57,000	89,000	89,000	89,000	89,000	89,000	89,000
General Fund	4520	-	-	-	-	-	-	-	-
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 51,000	\$ 57,000	\$ 89,000	\$ 89,000	\$ 89,000	\$ 89,000	\$ 89,000	\$ 89,000

EXPENDITURES									
Other Equipment		10,461	-	-	-	-	-	-	-
Replacement of Vehicles		-	510,000	-	62,400	-	-	112,200	53,800
TOTAL		\$ 10,461	\$ 510,000	\$ -	\$ 62,400	\$ -	\$ -	\$ 112,200	\$ 53,800

MAINTENANCE									
Fuel	3210	10,916	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Parts & Repair	4521	44,437	44,437	44,437	44,437	44,437	44,437	44,437	44,437
Equipment Rental	4533	951	2,000	2,000	2,000	2,000	2,000	2,000	2,000
TOTAL MAINTENANCE		56,304	58,437	58,437	58,437	58,437	58,437	58,437	58,437

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
GORMAN PUMP	2003	2023	20,000	20	-	-	-	-	-	-	-	22,400
TAYLOR DUNN CART (WWTP)	2013	2038	13,000	25	-	-	-	-	-	-	-	-
PETERBILT ROLLOFF TRUCK	2015	2030	255,000	15	-	-	-	-	-	-	-	-
COUMMINGS 60KW GENERATOR	2002	2027	50,000	25	-	-	-	-	-	-	-	-
FORD F350	2002	2022	65,000	20	-	-	-	-	-	-	71,500	-
VACTOR TRUCK	2001	2031	510,000	30	Dispose	510,000	-	-	-	-	-	-
DODGE 3500	2001	2019	60,000	18	-	-	-	62,400	-	-	-	-
GMC 4X4 SIERRA 1500	2004	2023	28,000	19	-	-	-	-	-	-	-	31,400
TV VAN W/ SPECIAL EQUIP	2005	2025	40,000	20	-	-	-	-	-	-	-	-
COMPUTER FOR TV VAN	2016	2026	11,100	10	10,461	-	-	-	-	-	-	-
GMC TRUCK PU 1/2T 4x4	2005	2025	31,500	20	-	-	-	-	-	-	-	-
GODWIN HS100GP PUMP	2006	2026	28,000	20	-	-	-	-	-	-	-	-
GMC CANYON CREW CAB	2007	2022	37,000	15	-	-	-	-	-	-	40,700	-
					\$ 10,461	\$ 510,000	\$ -	\$ 62,400	\$ -	\$ -	\$ 112,200	\$ 53,800

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	446,554	493,323	40,323	129,323	155,923	244,923	333,923	310,723
Contributions	57,230	57,000	89,000	89,000	89,000	89,000	89,000	89,000
Reserves Used	(10,461)	(510,000)	-	(62,400)	-	-	(112,200)	(53,800)
Projected year end Cash	493,323	40,323	129,323	155,923	244,923	333,923	310,723	345,923

Maintenance items can vary substantially based on the cost of fuel and/or parts.



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	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	103,100	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	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 103,100	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000

EXPENDITURES	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	331,864	-	398,800	41,600	394,300	-	381,700	-
TOTAL	\$ 331,864	\$ -	\$ 398,800	\$ 41,600	\$ 394,300	\$ -	\$ 381,700	\$ -

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Fuel	3210	41,370	54,500	54,500	54,500	54,500	54,500	54,500	54,500
Parts & Repair	4521	159,942	274,500	274,500	274,500	274,500	274,500	274,500	274,500
Equipment Rental	4533	-	9,200	9,200	9,200	9,200	9,200	9,200	9,200
TOTAL MAINTENANCE		201,312	338,200	338,200	338,200	338,200	338,200	338,200	338,200

REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
CAT LOADER	2006	2026	87,398	20	-	-	-	-	-	-	-	-
KUBOTA	2000	2025	20,898	25	-	-	-	-	-	-	-	-
TOYOTA PRIUS	2005	2020	25,000	15	-	-	-	-	26,500	-	-	-
GARBAGE TRUCK	2010	2020	347,000	10	-	-	-	-	367,800	-	-	-
GARBAGE TRUCK	2010	2022	347,000	12	-	-	-	-	-	-	381,700	-
GARBAGE TRUCK	2015	2025	347,000	10	-	-	-	-	-	-	-	-
FORD RANGER PICKUP	2002	2019	40,000	17	-	-	-	41,600	-	-	-	-
GMC SIERRA 2500 w/Liftgate	2004	2018	44,000	14	-	-	44,900	-	-	-	-	-
PETERBILT GARBAGE	2005	2018	347,000	13	-	-	353,900	-	-	-	-	-
PETERBILT GARBAGE	2005				-	Dispose	-	-	-	-	-	-
PETERBILT GARBAGE	2017	2027	331,864	10	331,864	-	-	-	-	-	-	-
					\$ 331,864	\$ -	\$ 398,800	\$ 41,600	\$ 394,300	\$ -	\$ 381,700	\$ -

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	682,361	458,229	608,229	359,429	467,829	223,529	373,529	141,829
Contributions	107,732	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Reserves Used	(331,864)	-	(398,800)	(41,600)	(394,300)	-	(381,700)	-
Projected year end Cash	458,229	608,229	359,429	467,829	223,529	373,529	141,829	291,829

Maintenance items can vary substantially based on the cost of fuel and/or parts.



STORMWATER VEHICLE REPLACEMENT SCHEDULE DIVISION - 7412

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Stormwater Operations.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	19,500	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	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 19,500	\$ 51,000	\$ 51,000	\$ 51,000	\$ 51,000	\$ 51,000	\$ 51,000	\$ 51,000

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		-	20,000	-	-	-	78,000	-	-
TOTAL		\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ 78,000	\$ -	\$ -

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Parts & Repair	4521	4,801	12,900	12,900	12,900	12,900	12,900	12,900	12,900
Equipment Rental	4533	778	4,900	4,900	4,900	4,900	4,900	4,900	4,900
TOTAL MAINTENANCE		8,701	28,400	28,400	28,400	28,400	28,400	28,400	28,400

REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
FORD F450 - BOX	2006	2021	65,000	15	-	-	-	-	-	78,000	-	-
VACTOR TRUCK 50%	2012	2027	260,000	15	-	-	-	-	-	-	-	-
SUCTION HOOD (VACTOR)	2016	2020	20,000	15	-	20,000	-	-	-	-	-	-
					\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ 78,000	\$ -	\$ -

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	12,855	32,769	63,769	114,769	165,769	216,769	189,769	240,769
Contributions	19,914	51,000	51,000	51,000	51,000	51,000	51,000	51,000
Reserves Used	-	(20,000)	-	-	-	(78,000)	-	-
Projected year end Cash	32,769	63,769	114,769	165,769	216,769	189,769	240,769	291,769

Maintenance items can vary substantially based on the cost of fuel and/or parts.



CONSERVATION VEHICLE REPLACEMENT SCHEDULE

DIVISION - 7121

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Conservation Fund.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	1,600	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	-	-	-	-	-	-	-	-
TOTAL FUNDING \$	18080	\$ 1,600	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	-	-	-	-	-
TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Parts & Repair	4521	1,295	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Equipment Rental	4533	-	100	100	100	100	100	100	100
		1,599	2,200	2,200	2,200	2,200	2,200	2,200	2,200

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
GMC SAVANA	2006	2026	35,000	20	-	-	-	-	-	-	-	-
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	10,509	12,264	15,064	17,864	20,664	23,464	26,264	29,064
Contributions	1,755	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Reserves Used	-	-	-	-	-	-	-	-
Projected year end Cash	12,264	15,064	17,864	20,664	23,464	26,264	29,064	31,864

Maintenance items can vary substantially based on the cost of fuel and/or parts.



EQUIPMENT SERVICES VEHICLE REPLACEMENT SCHEDULE

DIVISION - 7630

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for Equipment Services.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	-	59,300	59,300	59,300	59,300	59,300	59,300	59,300
General Fund	4520	34,302	-	-	-	-	-	-	-
Sale of Vehicles	395-xxxx	619	-	-	-	-	-	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES		\$ 34,921	\$ 59,300	\$ 59,300	\$ 59,300	\$ 59,300	\$ 59,300	\$ 59,300	\$ 59,300

EXPENDITURES		ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Other Equipment		50,000	-	-	-	-	-	-	-
Replacement of Vehicles		(50,000)	80,000	38,800	78,000	-	68,000	165,000	7,700
TOTAL		\$ -	\$ 80,000	\$ 38,800	\$ 78,000	\$ -	\$ 68,000	\$ 165,000	\$ 7,700

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Fuel	3210	5,218	7,300	7,300	7,300	7,300	7,300	7,300	7,300
Parts & Repair	4521	25,561	38,900	38,900	38,900	38,900	38,900	38,900	38,900
Equipment Rental	4533	-	-	-	-	-	-	-	-
		30,779	46,200	46,200	46,200	46,200	46,200	46,200	46,200

REPLACEMENT DETAIL	Vehicle Year	REPLACE	PURCHASE PRICE	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
GMC 1/2T TRUCK**	1990				-	-	-	-	-	-	-	-
DODGE 1 TON w/SER BODY	1999	2019	75,000	20	-	-	-	78,000	-	-	-	-
CAT FORK LIFT V50D	1991	2021	28,000	30	-	-	-	-	-	30,200	-	-
LINCOLN/WELDER	1993	2023	6,894	30	-	-	-	-	-	-	-	7,700
HYUNDAI SEDAN	2014	2029	27,000	15	-	-	-	-	-	-	-	-
CATERPILLAR WHL LOADER	1988	2022	150,000	34	-	-	-	-	-	-	165,000	-
CASE LOADER BACKHOE	1995	2025	85,000	30	-	-	-	-	-	-	-	-
10 YD DUMP TRUCK	1995	2025	150,000	30	-	-	-	-	-	-	-	-
WELLS SMALL TRAILER	1995	2025	5,500	30	-	-	-	-	-	-	-	-
PONTIAC VIBE	2004	2018	38,000	14	-	-	38,800	-	-	-	-	-
DODGE CARAVAN	2006	2021	35,000	15	-	-	-	-	-	37,800	-	-
SELMA TRAILER	2007	2032	10,000	25	-	-	-	-	-	-	-	-
VENTILATION SYSTEM	2017	2037	30,000	20	-	30,000	-	-	-	-	-	-
GENERATOR	2017	2042	50,000	25	-	50,000	-	-	-	-	-	-
					\$ -	\$ 80,000	\$ 38,800	\$ 78,000	\$ -	\$ 68,000	\$ 165,000	\$ 7,700

**This vehicle is not being replaced.

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	147,380	184,632	163,932	184,432	165,732	225,032	216,332	110,632
Rental income	37,252	59,300	59,300	59,300	59,300	59,300	59,300	59,300
Reserves Used	-	(80,000)	(38,800)	(78,000)	-	(68,000)	(165,000)	(7,700)
Projected year end Cash	184,632	163,932	184,432	165,732	225,032	216,332	110,632	162,232

Maintenance items can vary substantially based on the cost of fuel and/or parts.



IT VEHICLE REPLACEMENT SCHEDULE DIVISION - 2081

ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for Information Technologies.

FUNDING SOURCES	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
				2018	2019	2020	2021	2022	2023
Utilities	4520	-	-	-	-	-	-	-	-
General Fund	4520	-	-	-	-	-	-	-	-
Sale of Vehicles	4520	-	-	-	-	-	-	-	-
Internal Service Funds	4520	1,400	2,000	2,000	2,000	2,000	2,000	2,000	2,000
TOTAL FUNDING SOURCES		\$ 1,400	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		7,000	-	-	-	-	-	-	-
TOTAL		\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	EXPENSE OBJECT	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
Parts & Repair	4521	3,687	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Equipment Rental	4533	211	100	100	100	100	100	100	100
		4,002	1,400	1,400	1,400	1,400	1,400	1,400	1,400

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
HYUNDAI VAN*	1999	2024	35,000	25	7,000	-	-	-	-	-	-	-
					\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Transferred from Police Department.

CASH FLOW	ACTUAL 2016	BUDGET 2017	2018	2019	2020	2021	2022	2023
BEGINNING CASH	25,137	19,537	21,537	23,537	25,537	27,537	29,537	31,537
Contributions	1,400	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Reserves Used	(7,000)	-	-	-	-	-	-	-
Projected year end Cash	19,537	21,537	23,537	25,537	27,537	29,537	31,537	33,537

Maintenance items can vary substantially based on the cost of fuel and/or parts.



CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

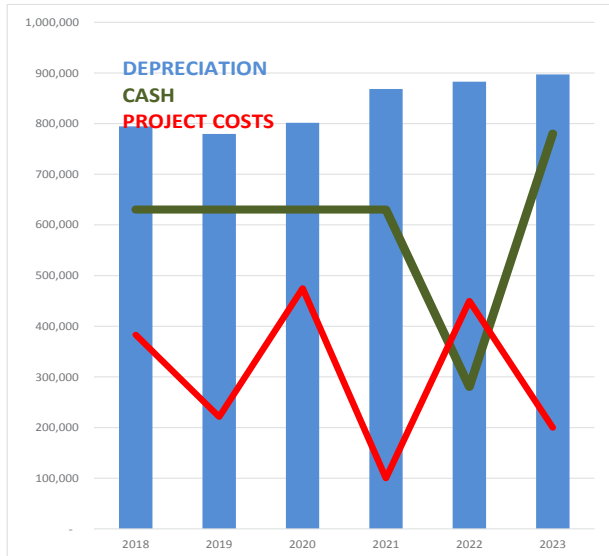


INFORMATION TECHNOLOGY



INFORMATION TECHNOLOGY PROJECTS

CFP YEAR: 2018 - 2023
 MANAGER: DAN MCKEEN
 CONTACT: DMCKEEN@CITYOFPA.US
 PHONE: 360-417-4500



Comprehensive Plan Objectives Met:
VII Goal A - provide service
VII Goal B - support services with the assistance of outside agencies
VII Goal C - provide safe, clean, usable and attractive public facilities
VII Goal D - efficient utility services in a cost effective and effective manner
VII Goal E - provide customer service with honesty, integrity and flexibility

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 city wide.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018- 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	170,500	286,600	878,379	302,400	84,300	342,300	74,000	259,000	148,000
Grants	-	-	-	-	107,500	12,500	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	31,500	103,400	279,801	73,100	29,500	120,200	26,000	91,000	52,000
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 202,000	\$ 390,000	\$ 1,158,180	\$ 375,500	\$ 221,300	\$ 475,000	\$ 100,000	\$ 350,000	\$ 200,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	TOTAL
Design	-	83,938	23,600	-	-	-	-	-	-
Construction	10,038	667,909	1,211,100	383,000	221,300	475,000	100,000	350,000	200,000
TOTAL	\$ 10,038	\$ 751,847	\$ 1,234,700	\$ 383,000	\$ 221,300	\$ 475,000	\$ 100,000	\$ 350,000	\$ 200,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	20,000	20,000	20,000	20,000	80,000
Depreciation	5,517	120,202	256,582	241,649	263,779	330,536	344,836	359,136
Other	7,499	111,000	74,000	80,000	80,000	110,000	110,000	110,000
Other	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS		231,202	330,582	341,649	363,779	460,536	474,836	549,136

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

PROJECTS COMPLETED IN 2015	CAPITALIZED
GIS Cityworks Servers	99,531
Server Replacements	149,756
Adm/City Council Work Platforms	19,044
Cognos 10 Upgrade	40,300
Thin Client & Desktop Interface	313,422
TOTAL COMPLETED PROJECTS	622,053

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



IT PROJECT LIST & CASH FLOW

PROJECT EXPENDITURE LISTING BY YEAR			PROJECT TOTAL	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN					
INFORMATION SERVICES		RANK					2018	2019	2020	2021	2022	2023
IT0713	Electrical SCADA Server Upgrade	A	147,103	10,038	165	136,900	-	-	-	-	-	
IT0814	Data Storage Array San & Backup Capacity	A	549,991	-	509,491	40,500	-	-	-	-	-	
IT0614	Server Replacements	A	202,138	-	147,138	55,000	-	-	-	-	-	
IT0214	Records Management System	A	291,457	-	55,357	173,600	62,500	-	-	-	-	
IT0114	Voice and Data Equipment	A	326,581	-	28,581	230,000	68,000	-	-	-	-	
IT1316	WiFi Access for City Hall	A	12,315	-	11,115	1,200	-	-	-	-	-	
IT0913	I-Series SunGard System Upgrade/HA Redundancy	A	500,000	-	-	250,000	-	-	-	250,000	-	
IT0215	Phone System Capacity Upgrade Project	A	260,000	-	-	260,000	-	-	-	-	-	
IT0416	Cemetery Software	A	62,500	-	-	62,500	-	-	-	-	-	
IT0816	Facility and Class Management Scheduling	A	23,800	-	-	17,500	-	6,300	-	-	-	
IT1216	SCADA Virtual Desktop Infrastructure	A	7,500	-	-	7,500	-	-	-	-	-	
IT0717	SunGard Edge Software Upgrade	1	100,000	-	-	-	100,000	-	-	-	-	
IT0217	SCADA Server Replacements	2	90,000	-	-	-	90,000	-	-	-	-	
IT0317	Phone System 911 Interface	3	55,000	-	-	-	55,000	-	-	-	-	
IT1016	Remote Access	4	7,500	-	-	-	7,500	-	-	-	-	
IT0517	EOC Operational Support	5	175,000	-	-	-	-	150,000	25,000	-	-	
IT0117	Server Replacements	6	200,000	-	-	-	-	-	-	100,000	100,000	
IT0417	Fire EOC Data/Communication Center	7	65,000	-	-	-	-	65,000	-	-	-	
IT0714	Data Backup Systems Replacement	8	300,000	-	-	-	-	-	300,000	-	-	
IT0514	Data Storage Array Systems	9	450,000	-	-	-	-	-	150,000	100,000	100,000	
IT0216	Business License System	PL	125,000	-	-	-	-	-	-	-	-	
IT0616	Collaboration Tool	PL	62,500	-	-	-	-	-	-	-	-	
IT0617	SunGard Executime Scheduling Module	PL	75,000	-	-	-	-	-	-	-	-	
IT1213	Enterprise Information System Upgrade or Replace	PL	3,200,000	-	-	-	-	-	-	-	-	
IT0716	ERP Road Map Maintenance	PL	62,500	-	-	-	-	-	-	-	-	
TOTAL EXPENDITURES PROJECTED			8,780,885	10,038	751,847	1,234,700	383,000	221,300	475,000	100,000	450,000	200,000

CASH FLOW ANALYSIS		2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance		928,085	687,785	630,285	630,285	630,285	630,285	630,285
Funding sources:								
Utilities Reserves		912,600	302,400	84,300	342,300	74,000	74,000	259,000
Grants		-	-	107,500	12,500	-	-	-
Use of existing reserves in IT		-	-	-	-	-	-	-
General Fund		46,300	23,100	29,500	120,200	26,000	26,000	91,000
Donations/Insurance		-	-	-	-	-	-	-
Other Funds		35,500	-	-	-	-	-	-
Project Costs		(1,234,700)	(383,000)	(221,300)	(475,000)	(100,000)	(450,000)	(200,000)
		928,085	687,785	630,285	630,285	630,285	280,285	780,285

Comparison to prior spending	2016	2017	2018	2019	2020	2021	2022	2023
6 Year average from Utilities	482,338	568,390	463,561	416,185	454,555	395,338	360,728	377,161
Estimated Increase in Utility contribution	(482,338)	344,210	(161,161)	(331,885)	(112,255)	(321,338)	(286,728)	(118,161)
6 year average from General fund	170,000	145,260	135,672	130,086	140,244	115,452	109,491	117,255
Estimated Increase in General Fund contribution	(170,000)	(98,960)	(112,572)	(100,586)	(20,044)	(89,452)	(83,491)	(26,255)
Depreciation amount	537,911	658,113	794,493	779,560	801,690	868,447	882,747	897,047
Cash coverage to depreciation	1.73	1.05	0.79	0.81	0.79	0.73	0.32	0.87

*Using \$50,000 in existing reserves in 2018

*Using \$200,000 in existing reserves in 2017



PROJECT STATUS: ACTIVE
 LOCATION: CITY HALL
 PROJECT MANAGER: JIM HARPER

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years Annual software/hardware maintenance \$15,000

ABOUT THE PROJECT:

Replacement of data and voice network infrastructure equipment consisting of managed switches, firewalls, and interconnecting network management devices.

JUSTIFICATION:

The current equipment placed in 2010 have reached the end of their life. Enhancements in performance and combined access to wired and wireless networks are now offered in next generation switches. Advanced security functions of next-gen equipment also offer advanced role based user access for all connections.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ 170,200	\$ 50,400	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	25,000	-	59,800	17,600	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 25,000	\$ -	\$ 230,000	\$ 68,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	28,581	-	-	-	-	-	-	-
Construction	-	-	230,000	68,000	-	-	-	-	-
TOTAL	\$ -	\$ 28,581	\$ 230,000	\$ 68,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	4,083	36,940	42,217	-	-	-	-	-
Other -software license fees	7,499	7,500	15,000	15,000	15,000	15,000	15,000	15,000
TOTAL OPERATING COSTS	11,582	44,440	57,217	15,000	15,000	15,000	15,000	15,000

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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 FS1, PW1, 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 74,000	\$ 74,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	26,000	26,000
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Ent. MS OS Support	-	-	-	-	-	-	-	-	-
Ent. MS Office Support	-	-	-	-	-	-	-	100,000	100,000
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000

MAINTENANCE	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	14,286
Other -explain	-	-	-	-	-	-	-
Software Licensing for Office/OS	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	-	-	-	-	14,286

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



PROJECT STATUS: PLANNING
 LOCATION: CITY HALL
 PROJECT MANAGER: JENNIFER VENEKLASEN

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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 City-Wide data survey of types and quantities retained currently and provide a multi-year project plan. This Plan would identify what software modules, user licenses or hardware are required. This plan would also estimate the cost to train staff. The expectation is to have all staff using recommended records retention guidelines, reduce redundancy, and ensure compliance with Washington State requirements (RCW). The rollout plan by year is: 1) Finance plus tracking software; 2) Community Development; 3) Public Works; 4) All other departments. \$655,000 in parking lot until the study is completed and direction is obtained from Council.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ 43,500	\$ -	\$ 128,464	\$ 46,300	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	6,500	-	45,136	16,200	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 50,000	\$ -	\$ 173,600	\$ 62,500	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design/Study	-	55,357	23,600	-	-	-	-	-	-
Construction	-	-	150,000	62,500	-	-	-	-	-
TOTAL	\$ -	\$ 55,357	\$ 173,600	\$ 62,500	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	7,908	29,608	37,421	37,421	37,421	37,421	37,421
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	7,908	29,608	37,421	37,421	37,421	37,421	37,421

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

Comprehensive Plan Objectives Met:
 VII - Utilities and Public Safety Services Element
 Goal D

Maintenance Cost Descriptions:
 Estimated life 15 years
 Maintenance per year \$15,000

ABOUT THE PROJECT:

Project consists of upgrading/replacing critical phone system components for virtualization, redundancy and additional necessary operating capacity.

JUSTIFICATION:

Currently, the existing phone system and components have minimal redundancy in case of disaster. With upgrades allowing for virtualization and separation of core systems to multiple locations, enhanced disaster planning is available. Additionally, existing voice over IP communications have exceeded original installed scopes of operation and with continued expansion, users and staff will face performance, operations and voice quality issues. Upgraded core communication boards and software will allow for quality service for staff and public for the continued life cycle of an additional 15 years.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ 192,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	67,600	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	260,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	17,333	17,333	17,333	17,333	17,333	17,333
Other - license fees	-	-	15,000	15,000	15,000	15,000	15,000	15,000
TOTAL OPERATING COSTS	-	-	32,333	32,333	32,333	32,333	32,333	32,333

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	-	-	-	-

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

Comprehensive Plan Objectives Met:
 VII - Utilities and Public Safety Services Element
 Goal D

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	90,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -

Maintenance	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	12,900	12,900	12,900	12,900	12,900
Other -explain	-	-	-	6,000	6,000	6,000	6,000	6,000
Total Maintenance	-	-	-	18,900	18,900	18,900	18,900	18,900

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<i>Maintenance Cost Descriptions:</i>
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 equipment placed in 2010 have reached the end of their life. Enhancements in performance and combined access to the current system is currently 7 years old and past 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 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ 40,700	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	14,300	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	55,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	5,500	5,500	5,500	5,500	5,500
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	5,500	5,500	5,500	5,500	5,500

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	62,500	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 62,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	62,500	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 62,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	6,250	6,250	6,250	6,250	6,250	6,250
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	6,250	6,250	6,250	6,250	6,250	6,250

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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. Additionally, additional emergency power and battery backup capabilities will need to be provided.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ 24,100	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	32,500	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	8,400	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	65,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	6,500	6,500	6,500	6,500
Other - software fees	-	-	-	-	-	30,000	30,000	30,000
TOTAL OPERATING COSTS	-	-	-	-	6,500	36,500	36,500	36,500

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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 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 same redundancy capabilities and multi-layer fail-over requirements as well as faster drives and expansion to meet further growth.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 111,000	\$ 74,000	\$ 74,000	\$ 74,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	39,000	26,000	26,000	26,000
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 100,000	\$ 100,000	\$ 100,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	150,000	100,000	100,000	100,000
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 100,000	\$ 100,000	\$ 100,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	21,400	35,700	50,000
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	-	21,400	35,700	50,000

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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 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 direct support city operations in critical event to include servers/laptops.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ 55,500	\$ 9,300	\$ -	\$ -	\$ -
Grants	-	-	-	-	75,000	12,500	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	19,500	3,200	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 25,000	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	150,000	25,000	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 25,000	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	15,000	17,500	17,500	17,500
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	15,000	17,500	17,500	17,500

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



PROJECT STATUS: REVOLVING FUND
 LOCATION: CITY HALL
 PROJECT MANAGER: JIM HARPER

Maintenance Cost Descriptions:
 Estimated life 7 years
 Annual software/hardware maintenance \$15,000
 Increased maintenance and software fees per year \$3,000.

Comprehensive Plan Objectives Met:
 VII - Utilities and Public Safety Services Element
 Goal D

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 FS1, PW1, 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ 130,500	\$ 40,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	19,500	14,300	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 150,000	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	147,138	55,000	-	-	-	-	-	-
TOTAL	\$ -	\$ 147,138	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	7,857	7,857	7,857	7,857	7,857	7,857
Other - software fees	-	-	3,000	3,000	3,000	3,000	3,000	3,000
TOTAL OPERATING COSTS	-	-	10,857	10,857	10,857	10,857	10,857	10,857

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



PROJECT STATUS: PARKING LOT
 LOCATION: CITY HALL
 PROJECT MANAGER: UNASSIGNED

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

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

ABOUT THE PROJECT:

Research and purchase of an internet collaboration tool that allows for the sharing of information, from internal forms, document sharing, and City staff communication with other City employees. This will potentially leverage the current CivicPlus vendor to address the City’s internet requirements. Placed in parking lot until stakeholder input is complete. \$62500

JUSTIFICATION:

Provides a centralized location for distribution of staff information, department and project work status, access to online forms, and other critical information be shared across departments.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	-	-	-	-

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	-	-	-	-

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years Maintenance per year \$6,000

ABOUT THE PROJECT:

Upgrading and modifications to existing SCADA software while purchasing a new server, additional modules, supporting software and licenses.

JUSTIFICATION:

The current system is approaching 10 years in age and failure would result in the inability to use electrical SCADA information, alerts and critical events. The new system will move toward virtualization and multi-host cluster redundancy. This will allow for greater system, software and data redundancy across multiple platforms and physical locations. In addition, staff access will be enhanced and improved. Upgrade will additionally allow for system redundancy and backup capabilities not currently available.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2021	2023
Utilities Reserves	\$ 127,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 127,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	10,038	165	136,900	-	-	-	-	-	-
TOTAL	\$ 10,038	\$ 165	\$ 136,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	1,434	1,458	21,015	21,015	21,015	21,015	21,015	21,015
Other - software fees	-	6,000	6,000	6,000	6,000	6,000	6,000	6,000
TOTAL OPERATING COSTS	1,434	7,458	27,015	27,015	27,015	27,015	27,015	27,015

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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 up approximately 150+ different systems and types on various schedules.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 222,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	78,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	300,000	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	42,857	42,857	42,857
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	-	42,857	42,857	42,857

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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. In the parking lot at \$62,500.

JUSTIFICATION:

Increased organizational efficiency and improved productivity.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	-	-	-	-

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<i>Maintenance Cost Descriptions:</i>
Estimated life 5 years Maintenance and software fees per year \$6,000

ABOUT THE PROJECT:

Upgrade of the current SunGard Enterprise Software system to non-Java interface for employee ease of use and capabilities.

JUSTIFICATION:

The current system is utilizing a Java based interface that has led to multiple issues with performance, connectivity and timely upgrades. The new upgrade will change out this interface to a non-Java based platform allowing expanded capabilities, enhanced connectivity and performance. Upgrade will allow for user desktops to be updated regularly for security on required Java platforms for other applications and not dependant upon previous restrictions on versions approved for the previous SunGard interface version.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves			\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	25,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	100,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	20,000	20,000	20,000	20,000	80,000
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	-	20,000	20,000	20,000	20,000	80,000

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



PROJECT STATUS: ON-GOING CAPITAL
 LOCATION: CITY HALL
 PROJECT MANAGER: JIM HARPER

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years Maintenance per year \$5,000

ABOUT THE PROJECT:

Project consists of additional hard drive chassis, capacity and software upgrades to allow for growth of network data storage and retention requirements.

JUSTIFICATION:

Currently there is no plan to manage how, when and what data city staff stores. Due to this issue, City staff have multiple digital data copies in various digital locations. Additionally, drafts, work documents and multiple pictures from camera dumps reside on network storage taking up valuable space. The city does have a records management system but currently does not have the work plan or staff time to evaluate each department and train staff on how to utilize current and future work processes to manage this data efficiently.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ 130,500	\$ 130,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	19,500	19,500	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	509,491	40,500	-	-	-	-	-	-
TOTAL	\$ -	\$ 509,491	\$ 40,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	72,784	78,570	78,570	78,570	78,570	78,570	78,570
Other - software/license fees	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000
TOTAL OPERATING COSTS	-	77,784	83,570	83,570	83,570	83,570	83,570	83,570

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ 12,950	\$ -	\$ 4,700	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	4,550	-	1,600	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 17,500	\$ -	\$ 6,300	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	17,500	-	6,300	-	-	-	-
TOTAL	\$ -	\$ -	\$ 17,500	\$ -	\$ 6,300	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,750	1,750	2,380	2,380	2,380	2,380
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	1,750	1,750	2,380	2,380	2,380	2,380

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



PROJECT STATUS: ON-GOING CAPITAL
 LOCATION: CITY HALL
 PROJECT MANAGER: JIM HARPER

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<i>Maintenance Cost Descriptions:</i>
Estimated life 5 years Maintenance per year \$30,000

ABOUT THE PROJECT:

Replace and upgrade of the City’s iSeries/400 computer systems, backup system and the supporting servers. These systems have been in place since 2011.

JUSTIFICATION:

Systems support the SunGard Enterprise Software system and its modules utilized by the City staff in support of financials, permits, assets, payroll, utilities and eBusiness Click2Gov. SunGard has been in place and operational since 2002. The current system hardware is currently scheduled for end-of-life (EOL) in 2016/17. Replacement of the (HA) high availability backup system is also recommended and included as well as other performance enhancements to all systems. Once EOL occurs, systems will no longer be supported by IBM for maintenance, upgrades or repairs in the operating system and applications software. Budget includes active-active redundancy and a test environment.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ 185,000	\$ -	\$ -	\$ -	\$ -	\$ 185,000	-
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	65,000	-	-	-	-	65,000	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	250,000	-	-	-	-	250,000	-
TOTAL	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	50,000	50,000	50,000	50,000	50,000	50,000
Other - software fees	-	30,000	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL OPERATING COSTS	-	30,000	80,000	80,000	80,000	80,000	80,000	80,000

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ 5,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	1,900	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	7,500	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,071	1,071	1,071	1,071	1,071
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	1,071	1,071	1,071	1,071	1,071

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



PROJECT STATUS: PARKING LOT
 LOCATION: CITY HALL
 PROJECT MANAGER: UNASSIGNED

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

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

ABOUT THE PROJECT:

A comprehensive review of the current SCADA system, and provide a Citywide SCADA roadmap for all SCADA operations. The review should include how the City can leverage the system for analysis and reporting, and potential integration with the GIS system. Recommendations for improvements, upgrades or replacements of operating software, reporting requirements, hardware requirements, network management, security measures, training, and necessary support services and/or support to meet the City’s SCADA needs. This project will migrate all SCADA systems to its’ own IP topology and VLAN segregation for enhanced security.

JUSTIFICATION:

Provides a Citywide direction for the SCADA systems and recommendations for the future, with enhanced security for each SCADA.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Plan document	-	62,500	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	62,500	-	-	-	-	-	-

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



PROJECT STATUS: PARKING LOT
 LOCATION: CITY HALL
 PROJECT MANAGER: UNASSIGNED

<i>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2021	2023
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	-	-	-	-	-	-

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	-	7,500	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	750	750	750	750	750	750
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	-	750	750	750	750	750	750

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>Comprehensive Plan Objectives Met:</i>
VII - Utilities and Public Safety Services Element Goal D

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

ABOUT THE PROJECT:
 WiFi for City Hall.

JUSTIFICATION:
 Provide WiFi connectivity in City Hall, for users in the Vern Burton conference rooms.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utilities Reserves	\$ -	\$ -	\$ 10,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	3,915	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 14,580	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	-	-	-	-	-	-	-	-	-
Construction	-	11,115	1,200	-	-	-	-	-	-
TOTAL	\$ -	\$ 11,115	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	1,112	1,232	1,232	1,232	1,232	1,232	1,232
Other -explain	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	-	1,112	1,232	1,232	1,232	1,232	1,232	1,232

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



CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN

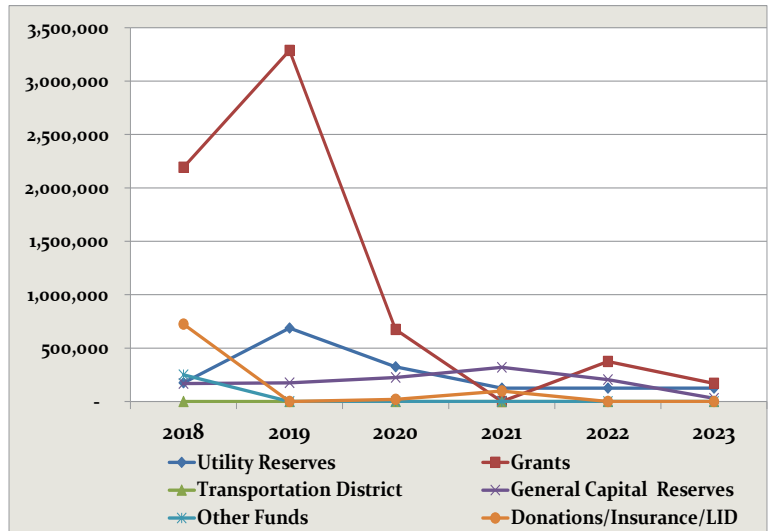


TRANSPORTATION IMPROVEMENT PLAN



TRANSPORTATION IMPROVEMENT PLAN

CFP YEAR: 2018 - 2023
 MANAGER: NATHAN WEST/JONATHAN BOEHME
 CONTACT: NWEST@CITYOFPA.US
 PHONE: 360-457-0411



Transportation Plan Objectives Met:

- VII Goal A - provide services and facilities
- VII Goal B - support services with the assistance of outside agencies
- VII Goal C - provide safe, clean, usable and attractive public facilities
- VII Goal D - efficient utility services in a cost effective and effective manner
- VII Goal E - provide customer service with honesty, integrity and flexibility

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITIES PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	93,700	330,000	155,000	175,000	687,500	325,000	125,000	125,000	125,000
Grants	1,844,354	387,810	1,036,140	2,192,500	3,287,500	675,000	-	375,000	170,000
Transportation District	-	-	-	-	-	-	-	-	-
General Capital Reserves	409,268	35,000	120,100	167,700	175,000	225,000	320,000	205,000	30,000
Donations/Insurance/LID	724,305	-	19,500	97,500	-	-	-	-	-
Other Funds	6,716,553	151,500	340,600	250,000	-	-	-	-	-
TOTAL	\$ 9,788,180	\$ 904,310	\$ 1,671,340	\$ 2,882,700	\$ 4,150,000	\$ 1,225,000	\$ 445,000	\$ 705,000	\$ 325,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	130,776	11,145	1,060,640	616,300	-	-	-	10,000	-
Construction	9,394,361	755,877	472,800	2,344,600	4,025,000	1,100,000	320,000	570,000	200,000
TOTAL	\$ 9,525,137	\$ 767,022	\$ 1,533,440	\$ 2,960,900	\$ 4,025,000	\$ 1,100,000	\$ 320,000	\$ 580,000	\$ 200,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	119,064	128,652	147,820	184,831	235,144	248,894	252,894	259,269
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	119,064	128,652	147,820	184,831	235,144	248,894	252,894	259,269

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

PROJECTS COMPLETED IN 2016	CAPITALIZED
City Hall Parking Lot	116,185
Lauridsen Bridge	5,842,412
Peabody Street 8th to Lauridsen Blvd	99,408
Green Alley Project	96,640
18th Street Reconstruction	1,152,254
TOTAL COMPLETED PROJECTS	7,306,899

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

TRANSPORTATION PROJECT TITLE	PRIORITY	TOTAL PROJECT	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	TRANSPORATION IMPROVEMENT PLAN 2018 - 2023					
						2018	2019	2020	2021	2022	2023
TRANSPORTATION											
TR0114 Hill Street-Olympic Discovery Trail	A	1,701,600	-	-	229,000	-	-	-	-	-	-
TR0203 Waterfront Development	A	9,491,809	9,330,289	128,720	32,800	-	-	-	-	-	-
TR0209 Race Complete Street - Design	A	2,482,936	10,636	-	472,300	-	-	-	-	-	-
TR0111 Marine Drive Channel Bridge	1	673,617	8,992	3,725	71,300	589,600	-	-	-	-	-
TR0216 Tumwater Street Bridge Joint	2	233,420	-	7,420	226,000	-	-	-	-	-	-
TR0414 Peabody Creek/Lincoln St Culvert Repair	3	3,446,300	-	-	-	446,300	3,000,000	-	-	-	-
TR0405 Alley Paving Revolving Funding	4	-	-	-	-	-	-	-	-	-	-
TR1100 10th Street Reconstruction	5	895,000	-	-	20,000	875,000	-	-	-	-	-
TR0416 1st/2nd/Valley/Oak Green Alley	6	470,000	-	-	-	20,000	450,000	-	-	-	-
TR1216 5th and Liberty Solar Speed Display	7	50,000	-	-	-	-	50,000	-	-	-	-
TR1299 Park Avenue Chip Seal	8	130,000	-	-	-	130,000	-	-	-	-	-
TR0314 Ennis Creek Culvert Replacement	9	525,000	-	-	-	125,000	400,000	-	-	-	-
TR1516 Peabody Street Chip Seal	10	125,000	-	-	-	-	125,000	-	-	-	-
TR1109 Marine Drive Bulkhead Repairs	11	780,000	-	-	130,000	650,000	-	-	-	-	-
TR0715 16th Street LID	12	1,060,000	-	-	160,000	-	-	900,000	-	-	-
TR0517 6th/7th Alley (Francis to Washington)	13	200,000	-	-	-	-	-	200,000	-	-	-
TR0317 Chase Street Vicinity Chipseal	14	320,000	-	-	-	-	-	-	320,000	-	-
TR0417 Ennis Street Pavement Repair	15	70,000	-	-	-	-	-	-	-	70,000	-
TR1416 Hamilton School Walking Routes	16	210,000	-	-	-	-	-	-	-	10,000	200,000
TR1215 City Hall East Parking Lot LID	17	602,000	-	-	102,000	-	-	-	-	500,000	-
TR0101 Laurel Street Stairs Replacement	18	375,000	-	-	-	25,000	-	-	-	-	-
TR0909 Port Angeles Tourism Wayfinding and Signage	19	200,000	-	-	100,000	100,000	-	-	-	-	-
TR1200 10th Street Overlay (M to I)	TBD 20	325,000	-	-	-	-	-	-	-	-	-
TR0616 ADA - Francis Street	TBD 21	300,000	-	-	-	-	-	-	-	-	-
TR1116 School Area Speed Signs (Near Franklin)	TBD 22	50,000	-	-	-	-	-	-	-	-	-
TR0115 N Street (5th to 15th) - Chip Seal	TBD 23	300,000	-	-	-	-	-	-	-	-	-
TR0515 Lauridsen Blvd Overlay	TBD 24	1,200,000	-	-	-	-	-	-	-	-	-
TR0117 Liberty Street Reconstruction	TBD 25	450,000	-	-	-	-	-	-	-	-	-
TR0316 8th Street (C to I) Chip Seal	TBD 26	200,000	-	-	-	-	-	-	-	-	-
TR0615 Golf Course Road Chip Seal	TBD 27	175,000	-	-	-	-	-	-	-	-	-
TR0215 Peabody Street Chip Seal	TBD 28	200,000	-	-	-	-	-	-	-	-	-
TR0716 ADA - Peabody Street	TBD 29	300,000	-	-	-	-	-	-	-	-	-
TR0915 Park Avenue Paving Overlay	TBD 30	375,000	-	-	-	-	-	-	-	-	-
TR0315 Peabody Street Chip Seal	TBD 31	125,000	-	-	-	-	-	-	-	-	-
TR0217 Lauridsen Blvd Traffic Calming	TBD 32	300,000	-	-	-	-	-	-	-	-	-
TR1316 Traffic Control	TBD 33	300,000	-	-	-	-	-	-	-	-	-
TR0499 Laurel St/Ahlfers Road Overlay	PL 34	400,000	-	-	-	-	-	-	-	-	-
TR0113 Waterfront Redevelopment	PL 35	8,100,000	-	-	-	-	-	-	-	-	-
TR1399 Traffic Signal Interconnect/Preemption	PL 36	725,000	-	-	-	-	-	-	-	-	-
TR0816 ADA - Cherry Street	TBD 37	300,000	-	-	-	-	-	-	-	-	-
TR1899 Lincoln, Laurel and Lauridsen Blvd Intersection	PL 38	1,950,016	100,516	-	-	-	-	-	-	-	-
TR0916 ADA - Oak & Laurel Streets	TBD 39	300,000	-	-	-	-	-	-	-	-	-
TR0208 Alternate Cross Town Route Study	PL 40	284,072	64,072	-	-	-	-	-	-	-	-
TR0212 Caroline Street Slide Repair	PL 41	375,000	-	-	-	-	-	-	-	-	-
TR1016 18th Street Bike Accessibility	TBD 42	700,000	-	-	-	-	-	-	-	-	-
TR0104 2nd and Valley Pavement Restoration	PL 43	550,000	-	-	-	-	-	-	-	-	-
TR0815 Old Mill Road Paving	PL 44	375,000	-	-	-	-	-	-	-	-	-
TR1009 1st, Front & Race Street Nodes	PL 45	433,632	10,632	-	-	-	-	-	-	-	-
TR0516 Nancy Lane Pavement	PL 46	200,000	-	-	-	-	-	-	-	-	-
TR0506 Valley Creek Trail Loop	PL 47	100,000	-	-	-	-	-	-	-	-	-
TR0308 O Street Improvements	PL 48	1,500,000	-	-	-	-	-	-	-	-	-
TR1015 Cherry Street Area Chip Seal	PL 49	750,000	-	-	-	-	-	-	-	-	-
TR0599 Hill Street Intersection	PL 50	485,000	-	-	-	-	-	-	-	-	-
TR1799 Truck Route at Hwy 101 Intersection	PL 51	6,000,000	-	-	-	-	-	-	-	-	-
TR0116 Downtown Sidewalk Repairs	Final	121,957	-	121,957	-	-	-	-	-	-	-
TR1616 Green LID Alley Project	Final	505,200	-	505,200	-	-	-	-	-	-	-
		34,766,877	9,525,137	627,157	1,543,400	2,960,900	4,025,000	1,100,000	320,000	580,000	200,000

Note: TBD = Transportation Benefit District
 PL = Parking Lot;
 A = Currently Active



TRANSPORTATION PROJECT LIST & CASH FLOW

CASH FLOW ANALYSIS		2017	2018	2019	2020	2021	2022	2023
Beginning Cash Balance		627,802	207,585	129,385	254,385	330,885	312,385	408,885
Funding sources:								
Utilities Reserves		155,000	175,000	687,500	325,000	125,000	125,000	125,000
Grants		1,036,140	2,192,500	3,287,500	675,000	-	375,000	170,000
Adjustments for Cash Timing		(448,157)	-	-	-	-	-	-
General Fund		120,100	167,700	175,000	176,500	176,500	176,500	176,500
Donations/Insurance		19,500	97,500	-	-	-	-	-
Other Funds		340,600	250,000	-	-	-	-	-
Project Costs		(1,543,400)	(2,960,900)	(4,025,000)	(1,100,000)	(320,000)	(580,000)	(200,000)
Emergency Street Repairs		(100,000)						
Year End Cash Available		627,802	207,585	129,385	254,385	330,885	312,385	408,885

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 \$175,000 a decrease of \$104,000 from 2017 averages. In 2018 REET funds will replace some of the General Fund contribution.



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 48.118644252, -123.43373539
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Capital Facilities Goal A, B Parks and Recreation Goal C

<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. \$350,000 in parking lot.

JUSTIFICATION:

The condition of the stairs is poor, causing costly maintenance and repairs.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET	-	-	-	25,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	313	313	313	313	313
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	313	313	313	313	313

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.133683229, -123.465569972
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<i>Maintenance Cost Descriptions:</i>
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 its failing.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	3,222	65,100	510,000	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	8,148	25,000	24,500	37,700	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET Fund	-	-	-	-	-	-	-	-	-
TOTAL	\$ 8,148	\$ 28,222	\$ 89,600	\$ 547,700	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ 8,992	\$ 3,725	\$ 71,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	589,600	-	-	-	-	-
TOTAL	\$ 8,992	\$ 3,725	\$ 71,300	\$ 589,600	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	112	159	1,050	8,420	8,420	8,420	8,420	8,420
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	112	159	1,050	8,420	8,420	8,420	8,420	8,420

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>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Economic Development Goal A Parks and Recreation Goal C, F

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds (REET)	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.12958793, -123.466565608
 PROJECT MANAGERS:
 NATHAN WEST/MICHAEL SZATLOCKY

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Capital Facilities Goal B Parks and Recreation Goal F

<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 trail head and parking area. Construction portion is placed in the Parking Lot until funding is identified ~ \$800,000. \$229,000 planned spending on design in 2017.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	200,000	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	29,000	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 229,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ 229,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 229,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,863	2,863	2,863	2,863	2,863	2,863
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	2,863	2,863	2,863	2,863	2,863	2,863

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: PARKING LOT
 LATITUDE / LONGITUDE:
 48.127353072, -123.483517169
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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. The project will be held until funding is available with \$300,000 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. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	#	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: CONSTRUCTION
 LATITUDE / LONGITUDE:
 48.119539, -123.434528
 PROJECT MANAGERS:
 COREY DELIKAT/ERIC WALRATH

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

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

ABOUT THE PROJECT:

Repair of downtown sidewalks and tree wells, allowing for sections to be replaced to meet ADA requirements. Project constructed in 2016.

JUSTIFICATION:

For safety and accessibility.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund Reserves	-	-	-	-	-	-	-	-	-
Street Vacations	-	-	-	-	-	-	-	-	-
Other Funds	-	137,500	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 137,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

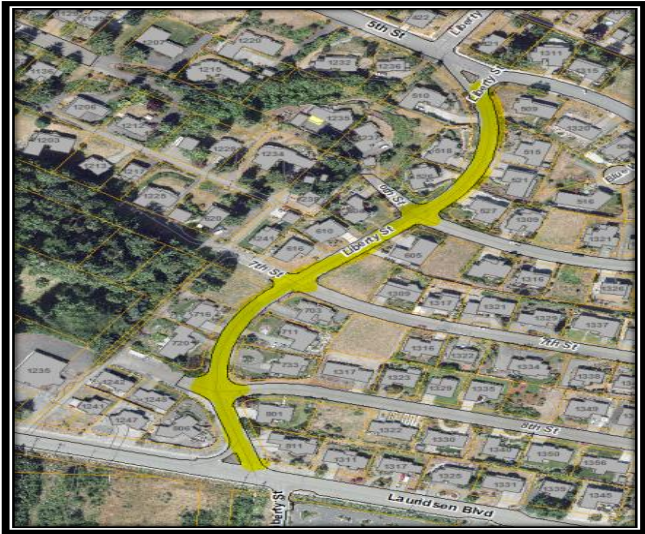
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	121,957	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 121,957	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	1,524	1,524	1,524	1,524	1,524	1,524	1,524
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	1,524	1,524	1,524	1,524	1,524	1,524	1,524

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.1050932, -123.4151604
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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. Placed in parking lot ~ \$450,000.

JUSTIFICATION:

The roadway has experienced structural failure.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



WATERFRONT DEVELOPMENT PHASES 1 & 2 (CIVIC IMPROVEMENT)

TR0203

PROJECT STATUS: CONSTRUCTION
 LATITUDE / LONGITUDE:
 48.121773286, -123.434915540
 PROJECT MANAGER: NATHAN WEST

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Economic Development Goal A Parks and Recreation Goal C, F

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years Operating maintenance \$21,000 per year of which \$11,000 is included in the 2016 budget

ABOUT THE PROJECT:

Improvements along the downtown to enhance use of the Olympic Discovery Trail, add parking, add an electric charging station, art and sitting on the waterfront.

JUSTIFICATION:

Improve tourists' first reaction to the Port Angeles Downtown area and create an aesthetically pleasing entrance to the city.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	1,722,570	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	329,448	-	-	-	-	-	-	-	-
Donations/Permits/St Vacati	724,305	-	-	-	-	-	-	-	-
Other Funds	6,716,553	14,000	-	-	-	-	-	-	-
TOTAL	\$9,492,876	\$ 14,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	9,330,289	128,720	32,800	-	-	-	-	-	-
TOTAL	\$9,330,289	\$ 128,720	\$ 32,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	116,629	118,238	118,648	118,648	118,648	118,648	118,648	118,648
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	116,629	118,238	118,648	118,648	118,648	118,648	118,648	118,648

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



PROJECT STATUS: PRE-PLANNING
 LATITUDE / LONGITUDE:
 48.103560747, -123.420002460
 PROJECT MANAGERS:
 NATHAN WEST/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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.

JUSTIFICATION:

The following issues have been identified as areas of critical concern that justify the need for additional cross town routes: trucks downtown, urban development limit, moving local traffic, safety at Deer Park, safety at Morse Creek, emergency & natural disasters, and eastside bottleneck. Presently only one route exists due to bluff and creek crossings.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	64,072	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 64,072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	64,072	-	-	-	-	-	-	-	-
TOTAL	\$ 64,072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	801	801	801	801	801	801	801	801
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	801	801	801	801	801	801	801	801

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



RACE STREET DEVELOPMENT PH1-DESIGN (CIVIC IMPROVEMENT)

TR0209

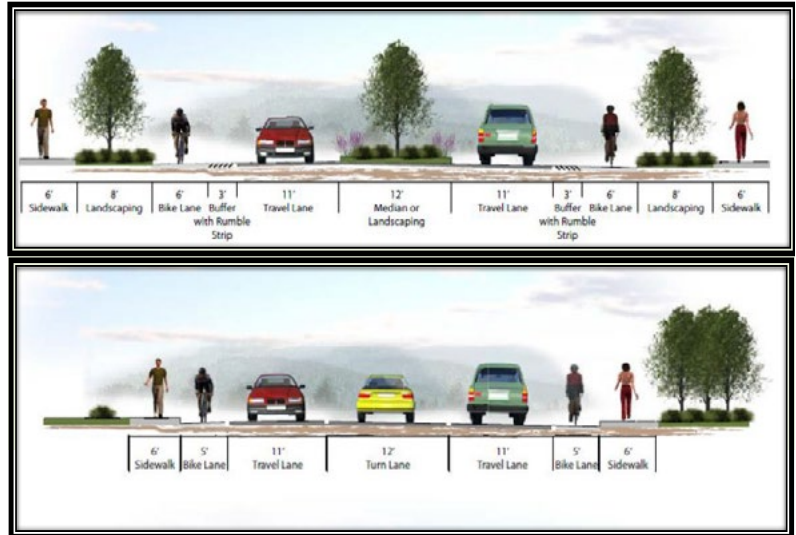
PROJECT STATUS: PLANNING/DESIGN
 LATITUDE / LONGITUDE:
 48.109905298, -123.421770572
 PROJECT MANAGERS:
 NATHAN WEST/JONATHAN BOEHME

Comprehensive Plan Objectives Met:

Transportation Goal A, B
 Capital Facilities Goal B
 Parks and Recreation Goal C
 Economic Development Goal C

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	10,636	-	398,540	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	47,600	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET #1	-	-	16,200	-	-	-	-	-	-
TOTAL	\$ 10,636	\$ -	\$ 462,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	10,636	\$ -	\$ 462,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ 10,636	\$ -	\$ 462,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	133	133	5,912	5,912	5,912	5,912	5,912	5,912
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	133	133	5,912	5,912	5,912	5,912	5,912	5,912

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.115164554, -123.411934595
 PROJECT MANAGERS:
 NATHAN WEST/JONATHAN BOEHME



Comprehensive Plan Objectives Met:
 Transportation Goal A, B

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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: PARKING LOT
LATITUDE / LONGITUDE:
48.097408306, -123.437672853
PROJECT MANAGERS:
KATHRYN NEAL/JONATHAN BOEHME

Comprehensive Plan Objectives Met:
Transportation Goal A, B

Maintenance Cost Descriptions:
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. This project will remain in the parking lot until funds are identified.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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 is increasing impact loading on bridge.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	10,000	48,000	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET#1 Fund	-	-	175,400	-	-	-	-	-	-
TOTAL	\$ -	\$ 10,000	\$ 223,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ 7,420	\$ 26,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	200,000	-	-	-	-	-	-
TOTAL	\$ -	\$ 7,420	\$ 226,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	93	2,918	2,918	2,918	2,918	2,918	2,918
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	93	2,918	2,918	2,918	2,918	2,918	2,918

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



LAURIDSEN BLVD TRAFFIC CALMING (SAFETY)

TR0217

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.1061944, -123.4341184
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Services Goal A

<i>Maintenance Cost Descriptions:</i>
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 placed in parking lot until funding of \$300,000 can be identified.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance/LID	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Growth Management Goal A Land-use Goal J

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	125,000	400,000	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 125,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	400,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 125,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,563	6,563	6,563	6,563	6,563
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	1,563	6,563	6,563	6,563	6,563

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: PARKING LOT
 LATITUDE / LONGITUDE:
 48.104002083, -123.438370228
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



Comprehensive Plan Objectives Met:
 Transportation Goal A, B

Maintenance Cost Descriptions:
 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. This will remain 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.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.123064, -123.463908
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<i>Maintenance Cost Descriptions:</i>
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. \$200,000 on hold 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 cost less to maintain streets in good condition than bad.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Street Fund	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 48.1126732, -123.433784
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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.

JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair bad.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	320,000	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,000	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	320,000	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,000	\$ -	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	4,000	4,000
Other -explain	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	-	-	-	-	4,000	4,000

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



PROJECT STATUS: CONSTRUCTION
 LATITUDE / LONGITUDE:
 48.112243000, -123.427812000
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



Comprehensive Plan Objectives Met:
 Transportation Goal A, B

Maintenance Cost Descriptions:
 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 the LID Green Alley grant match. Tentative funding for 2018 - \$112,500 to First, Second and Green Alley Projects, other years have not been defined, and will add to the alley paving revolving funds.

JUSTIFICATION:

The Solid Waste packer trucks cause extra wear and tear that breaks down the alleyway while performing trash pickup activities. Due to the additional wear incurred the Solid Waste Fund is providing funding for replacement of damaged alleyways.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ 125,000	\$ 155,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 125,000	\$ 155,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design - Trf to projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction- Trf to projects	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PEABODY CREEK/LINCOLN STREET CULVERT (RESTORATIVE)

TR0414

PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 48.118031141, -123.431623936
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B
<i>Maintenance Cost Descriptions:</i>
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.

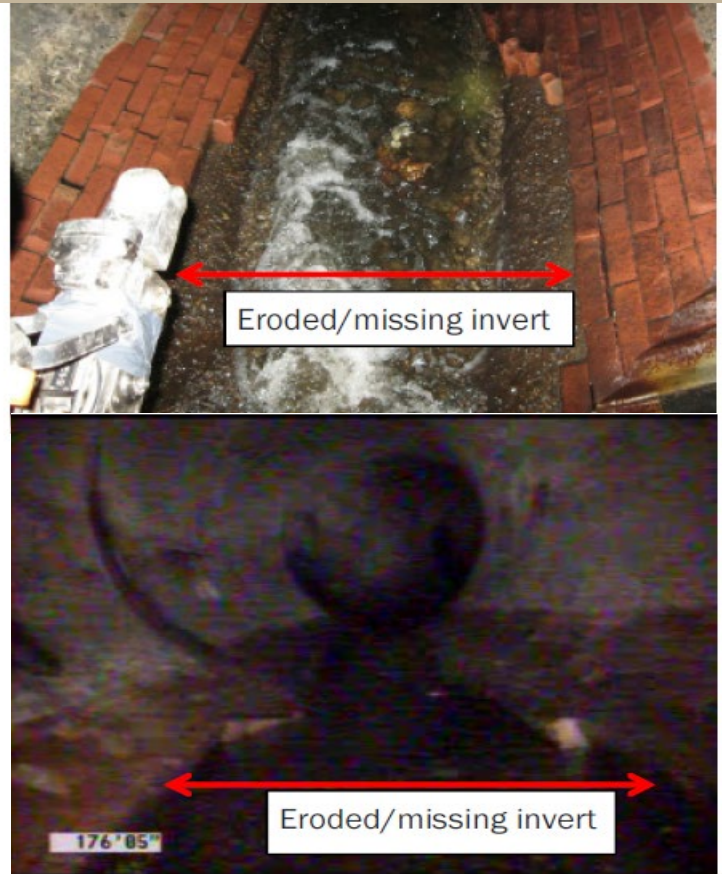


Figure 2-4. Ellipse: missing invert (176')

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ 146,300	\$ -	\$ 30,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	255,000	2,550,000	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/WSDOT	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 146,300	\$ -	\$ 285,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	-	-	446,300	-	-	-	-	-
Construction	-	-	-	-	3,000,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 446,300	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	5,579	43,079	43,079	43,079	43,079
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	5,579	43,079	43,079	43,079	43,079

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Capital Facilities Goal E Conservation Goal B Land-use Goal J

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ 20,000	\$ 112,500	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	337,500	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 20,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	450,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 20,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	250	5,875	5,875	5,875	5,875
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	250	5,875	5,875	5,875	5,875

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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 bad.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	70,000	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -

EXPENDITURES	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	70,000	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Conservation Element Goal A Capital Facilities Goal B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Conservation Element Goal A Capital Facilities Goal B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



LAURIDSEN BLVD CHIP SEAL (LINCOLN TO ENNIS) (PRESERVATION)

TR0515

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.105182780, -123.429993153
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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. Estimated at \$1,200,000 placed in parking lot until funding is identified, grant eligible.

JUSTIFICATION:

The overlay will extend the life of the pavement.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



6TH/7TH ALLEY (FRANCIS TO WASHINGTON) (RESTORATION)

TR0517

PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 48.109105, -123.4224265
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000		\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -

EXPENDITURES				2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	200,000	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -

MAINTENANCE	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	2,500	2,500	2,500
Other -explain	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-	-	-	-	-	2,500	2,500	2,500

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

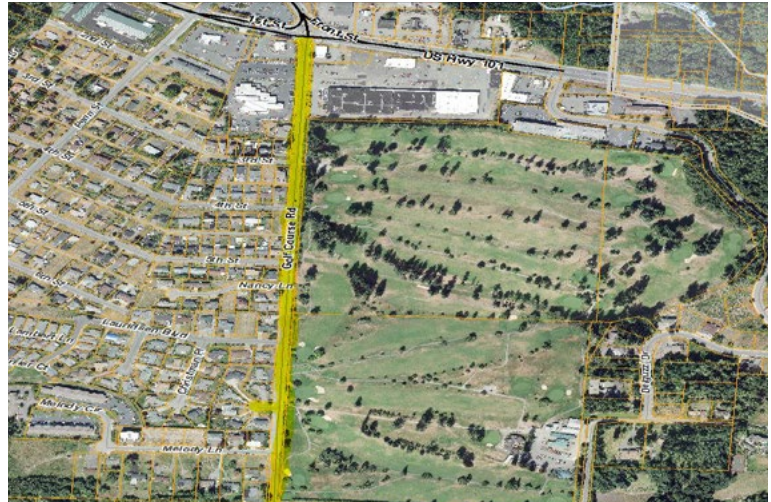
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



GOLF COURSE ROAD CHIP SEAL - 1ST ST TO LINDBERG RD (RESTORATIVE)

TR0615

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.100133103, -123.402432919
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<i>Maintenance Cost Descriptions:</i>
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. The cost is estimated at \$175,000 and the project is in the parking lot until funding can be identified.

JUSTIFICATION:

The overlay is needed because the asphalt has gone beyond the life expectancy and potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.114172, -123.420314
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B

<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. Parking lot, \$300,000.

JUSTIFICATION:

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.115206153, -123.467784404
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Conservation Goal A, B Capital Facilities Goal E

<i>Maintenance Cost Descriptions:</i>
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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	160,000	-	-	675,000	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	225,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	160,000	-	-	900,000	-	-	-
TOTAL	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,000	2,000	2,000	13,250	13,250	13,250
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	2,000	2,000	2,000	13,250	13,250	13,250

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B

<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. Project cost of \$300,000 placed in parking lot.

JUSTIFICATION:

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B

<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 on hold until funding is identified.

JUSTIFICATION:

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

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

ABOUT THE PROJECT:

The Port Angeles Tourism and Wayfinding Signage project is intended to create signage and way finding system for pedestrian and vehicle users while navigating throughout the community. The project is planned as a two year project. The first year will update the palette for sign design with the goals to improve the contrast of font and background colors and to identify more appropriate font sizes for both vehicular and pedestrian signage. An additional goal with the design refresh is to develop a sign that can be easily maintained. The first year of the project would also include installation of identified key locations. 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. The signage was designed in 2012 so only the purchase and installation would be required.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Lodging Tax Fund	-	-	100,000	100,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	80,000	100,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,250	2,500	2,500	2,500	2,500	2,500
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	1,250	2,500	2,500	2,500	2,500	2,500

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



PARK AVENUE PAVING OVERLAY - RACE TO LIBERTY STREETS (RESTORATION)

TR0915

PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.101910004, -123.421006681
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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. This project is estimated to cost \$375,000 and is placed in the parking lot until grant funding is available.

JUSTIFICATION:

The overlay is needed because the asphalt has gone beyond the life expectancy and potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B

<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 is identified \$423,000.

JUSTIFICATION:

The nodes would reduce traffic speed allowing for safer crossing and a more attractive appearance.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	10,632	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 10,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ 10,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ 10,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	133	133	133	133	133	133	133	133
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	133	133	133	133	133	133	133	133

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.112146051, -123.445022106
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B Growth Management Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 48.126992144, -123.479491711
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



Comprehensive Plan Objectives Met:
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B

Maintenance Cost Descriptions:
Estimated life 80 years

ABOUT THE PROJECT:

Installation of curb, gutter, sidewalk, bike lanes, drainage, and new asphalt. City will seek a grant to fund 85% of the project cost. The remaining amount to be covered by REET 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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	750,000	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
REET Fund	-	-	20,000	125,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 20,000	\$ 875,000	\$ -	\$ -	\$ -	\$ -	\$ -

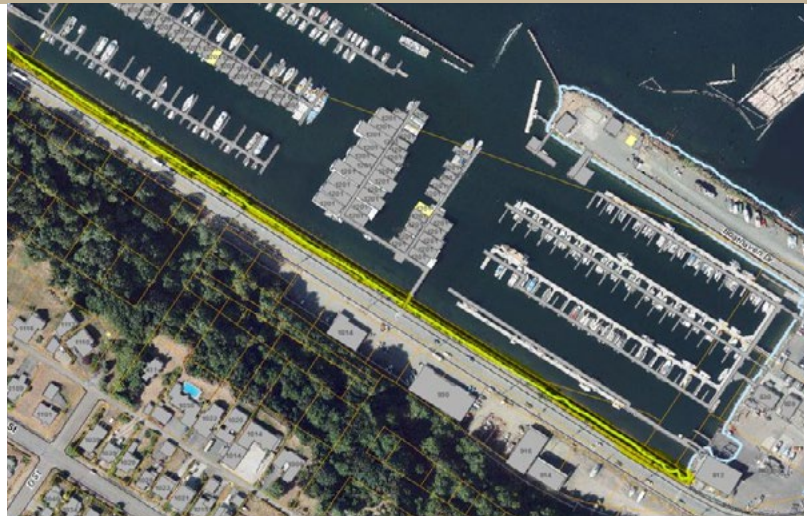
EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	875,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 20,000	\$ 875,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	250	11,188	11,188	11,188	11,188	11,188
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	250	11,188	11,188	11,188	11,188	11,188

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.12486627, -123.453931331
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



Comprehensive Plan Objectives Met:
Transportation Goal A, B Utilities and Public Service Goal A Capital Facilities Goal B Land-use Goal H

Maintenance Cost Descriptions:
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 the STP grant. The City proposes to work on the project for the Port of Port Angeles but the Port will provide 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.

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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	110,500	552,500	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	7,600	-	-	-	-	-	-	-	-
Port of PA 15% grant match	-	-	19,500	97,500	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,600	\$ -	\$ 130,000	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	650,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 130,000	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,625	9,750	9,750	9,750	9,750	9,750
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	1,625	9,750	9,750	9,750	9,750	9,750

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.103628, -123.423178
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Capital Facilities Goal B

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

ABOUT THE PROJECT:

The project will install electronic speed signs near Franklin School. Parking lot at \$50,000.

JUSTIFICATION:

Improve safety near school.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 48.119436128, -123.468642710
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

Comprehensive Plan Objectives Met:
 Transportation Goal A, B

Maintenance Cost Descriptions:
 Estimated life 80 years

ABOUT THE PROJECT:

The project will overlay 10th Street from M to I Streets with HMA and use reinforcement mesh. Parking lot at \$325,000, grant possible.

JUSTIFICATION:

The overlay is needed because the asphalt has gone beyond the life expectancy and potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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



PROJECT STATUS: DESIGN
 LATITUDE / LONGITUDE:
 48.112243000, -123.427812000
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Conservation Goal B Capital Facilities Goal E Parks and Recreation Goal C

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	102,000	-	-	-	-	375,000	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	125,000	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	500,000	-
TOTAL	\$ -	\$ -	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,275	1,275	1,275	1,275	1,275	7,525
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	1,275	1,275	1,275	1,275	1,275	7,525

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	50,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	50,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	625	625	625	625
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	625	625	625	625

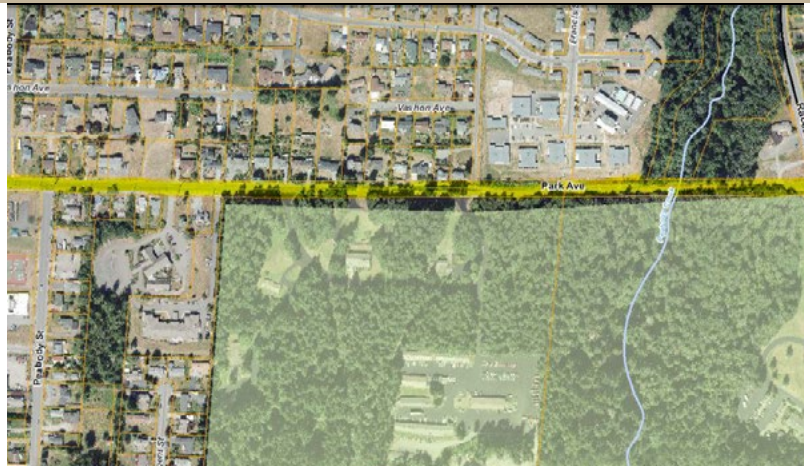
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



PARK AVE CHIP SEAL - PEABODY TO RACE STREET (RESTORATION)

TR1299

PROJECT STATUS: PLANNING
 LATITUDE / LONGITUDE:
 48.101653217, -123.430490972
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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 bad.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	130,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	130,000	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,625	1,625	1,625	1,625	1,625
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	1,625	1,625	1,625	1,625	1,625

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



PROJECT STATUS: PARKING LOT
 LATITUDE / LONGITUDE:
 MULTIPLE LOCATIONS
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Growth Management Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Capital Facilities Goal B

<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.

JUSTIFICATION:

Improve safety near school.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	170,000
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	10,000	30,000
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 200,000

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -
Construction	-	-	-	-	-	-	-	-	200,000
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 200,000

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	125
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	125

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B

<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 bad.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	125,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	125,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	1,563	1,563	1,563	1,563
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	1,563	1,563	1,563	1,563

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



PROJECT STATUS: CONSTRUCTION
 LATITUDE / LONGITUDE:
 48.111068668, -123.432919981
 PROJECT MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME



Existing Neighborhood

Permeable pavement (example)

Comprehensive Plan Objectives Met:

Transportation Goal A, B

Maintenance Cost Descriptions:

Estimated life 80 years

ABOUT THE PROJECT:

This project will use LID practices to install permeable pavement in alleys in the Peabody and Francis Street basins that drain to the Combined Sewer System. This project includes two alleys: One alley located between Front and Georgiana and Albert and Eunice Streets. The second alley is located between 4th and 5th Streets and Washington and Chambers Streets. Project construction was completed in 2016 and final acceptance was received in February 2017.

JUSTIFICATION:

Stormwater connections to the Combined Sewer System contribute to wet weather sewer overflow events, as such the Stormwater Fund is providing funding for this project. This grant is included on the State Fiscal Year 2016 Draft Water Quality Funding offer list.

FUNDING SOURCES	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ 93,700	\$ 58,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	384,588	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 93,700	\$ 443,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	505,200	-	-	-	-	-	-	-
TOTAL	\$ -	\$ 505,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	6,315	6,315	6,315	6,315	6,315	6,315	6,315
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	6,315	6,315	6,315	6,315	6,315	6,315	6,315

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Growth Management Goal A Land Use Goal H

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	-	-	-	-	-	-	-	-

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 MANAGERS:
 KATHRYN NEAL/JONATHAN BOEHME

<i>Comprehensive Plan Objectives Met:</i>
Transportation Goal A, B Growth Management Goal A

<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	PRIOR YEARS	ACTUAL 2016	BUDGET 2017	CAPITAL FACILITY PLAN 2018 - 2023					
				2018	2019	2020	2021	2022	2023
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	100,516	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance/PRD	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
TOTAL	\$ 100,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

EXPENDITURES	2015	2016	2017	2018	2019	2020	2021	2022	2023
Design	\$ 100,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-
TOTAL	\$ 100,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

OTHER OPERATING COSTS	2016	2017	2018	2019	2020	2021	2022	2023
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	1,256	1,256	1,256	1,256	1,256	1,256	1,256	1,256
Other -explain	-	-	-	-	-	-	-	-
TOTAL OTHER COSTS	1,256	1,256	1,256	1,256	1,256	1,256	1,256	1,256

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





2016 COMPLETED PROJECTS



2016 COMPLETED PROJECTS - GOVERNMENTAL PROJECTS

CAPITAL IMPROVEMENT FUND		
Asset #	Description	Amount
1702	FD0314 - Fire Department Communications	64,762
1703	GG1501 - Pencom UPS & Fire Suppression	575,445
1704	CAPPC - Pencom Infrastructure/Communications	333,371
1705	CAPGF - Equipment for Playground	11,675
1712	PK0314 - Lighting for Civic Field	576,789
TOTAL CAPITAL IMPROVEMENT		1,562,041

INFORMATION TECHNOLOGY FUND		
1699	IT0614 -2016 Server Replacements	156,887
1700	IT0814- Data Storage & Increased Capacity	516,385
1716	IT0313- SCADA Water & WW Firewall	10,244
1717	IT9912 Executime Time Tracking	49,634
1701	IT9813- Dedicated IT Generator & HVAC	647,839
TOTAL INFORMATION TECHNOLOGY		1,380,990

EQUIPMENT SERVICES FUND		
1693	2016 Dodge Charger (Police Cruiser)#1612	48,308
1694	Video Camera Software for Jet Truck #5601A	10,461
1695	Manlift (bucket truck) for Electric #1550	275,889
1696	Peterbilt Garbage Truck #1680	331,864
1697	2016 Dodge Charger (Police Cruiser)#1613	46,896
1698	Crash Attenuator for Streets	29,983
TOTAL EQUIPMENT SERVICES FUND		743,401
TOTAL		3,686,432



2016 COMPLETED PROJECTS - UTILITY PROJECTS

ELECTRIC FUND		
Asset#	Description	Amount
2016	CL0216 - "A" Street Substation	795,241
1706	CL0314 - Land	351,139
2016	CAPEL - Electric Grid Software	14,634
1709	Poles	55,874
1710	Electric Yard Lights	6,618
1708	Electric Overhead	151,834
1707	Electric Distribution	130,549
Electric Fund		1,505,889

WATER FUND		
2016	WT0114 - Marine Drive Water Main	997,498
Water Fund		997,498

WASTEWATER FUND		
1711	WW0111 - Front Street Sewer	31,644
2016	CAPWW - Pumps and WWTP Equipment	75,754
Wastewater Fund		107,397

STORMWATER FUND		
1715	DR0212 - Peabody Creek Fecal Reduction	218,336
Stormwater Fund		218,336



CITY OF PORT ANGELES



2018 - 2023
CAPITAL FACILITIES PLAN &
TRANSPORTATION IMPROVEMENT PLAN



LINK TO CITY OF PORT ANGELES COMPREHENSIVE PLAN

New this year ~ linkage to the City's Comprehensive Plan.

The first pages chart all projects in the CFP/TIP with the project cost, and reference how each address different Comprehensive goals and objectives.

A copy of the Comprehensive Plans' goals and objectives are included for easier reference.



CITY OF PORT ANGELES LINK TO COMPREHENSIVE PLAN		TOTAL EXPECTED COST OF PROJECT	VI. Transportation	VII. Utilities and Public Services	X. Capital Facilities	XII. Parks and Recreation	IV. Growth Mgmt	XI. Econ. Dev.	IX. Conservation	V. Land Use
WASTEWATER										
WW0110	Aeration Blower Replacement	550,000		A, B, C, D	A					
WW0111	Sanitary Sewer I&I Reduction (Front St Separation)	367,517		A, B, C, D	A		A	A		
WW0114	Ediz Hook Biennial Sewer Repair	237,672		A, B, C, D	A		A	A		
WW0116	Marine Drive Sewer Repair	222,000		A, B, C, D	A		A	A		
WW0205	Biosolids Dewatering and Reuse	1,495,624		A, B, C, D	A					
WW0216	Washington Street Sewer Lateral	70,000		A, B, C, D	A		A	A		
WW0217	Ennis Creek Force Main Removal	225,000		A, B, C, D	A		A	A		
WW0308	Pump Station #3 Replacement	3,291,754		A, B, C, D	A		A	A		
WW0315	Marine Channel Bridge Sewer Crossing	90,000		A, B, C, D	A		A	A		
WW0415	Pump Station #5 Rehabilitation	125,000		A, B, C, D	A		A	A		
WW0416	Sewer Line Infiltration Reduction	300,000		A, B, C, D	A		A	A		
WW0508	Digester Mixing Improvement WWTP	600,000		A, B, C, D	A					
WW0516	WWTP Boiler Replacement	115,000		A, B, C, D	A					
WW0608	Waste Activated Sludge Thickening WWTP	1,500,000		A, B, C, D	A					
WW0715	Oak Street Sewer Separation	25,000		A, B, C, D	A		A	A		
WW0815	Laurel Street Sewer Separation	25,000		A, B, C, D	A		A	A		
WW0915	Pump Station #6 Improvements	40,000		A, B, C, D	A		A	A		
WW1115	1st & 2nd Streets Alley Sewer Separation	120,000		A, B, C, D	A		A	A		
WW1215	Shane Park Sewer Separation	280,000		A, B, C, D	A		A	A		
WW1315	Pine Hill Sewer Separation	275,000		A, B, C, D	A		A	A		
COMBINED SEWER OVERFLOW										
WW1015	Station #4	140,000		A, B, C, D	A			A	B, D	
WW0117	Francis Street Pigging Bypass	200,000		A, B, C, D	A			A	B, D	
WATER										
WT0109	"E" Street Pressure Valve	290,652		A, B, C, D, E	A		A	A		
WT0111	Liberty Street Water Main	421,000		A, B, C, D, E	A		A	A		
WT0112	10th Street Water Main	1,081,000		A, B, C, D, E	A		A	A		
WT0116	Marine Drive Main Replacement	1,500,000		A, B, C, D, E	A		A	A		
WT0117	Mill Creek Reservoir Expansion	3,400,000		A, B, C, D, E	A		A	A		
WT0212	East 6th Street Water Main	368,200		A, B, C, D, E	A		A	A		
WT0214	Transmission Main East of Golf Course Road	2,275,000		A, B, C, D, E	A		A	A		
WT0215	Marine Dr Channel Water Main Crossing Replacement	60,000		A, B, C, D, E	A		A	A		
WT0217	Airport/Edgewood Drive Water Main Extension	5,000,000		A, B, C, D, E	A		A	A		
WT0309	Morse Creek Water Mains to Clallam PUD #1	400,000		A, B, C, D, E	A		A	A		



CITY OF PORT ANGELES LINK TO COMPREHENSIVE PLAN		TOTAL EXPECTED COST OF PROJECT	VI. Transportation	VII. Utilities and Public Services	X. Capital Facilities	XII. Parks and Recreation	IV. Growth Mgmt	XI. Econ. Dev.	IX. Conservation	V. Land Use
WT0314	Tumwater Truck Rt Commercial Fire Flow LID	289,000		A, B, C, D, E	A		A	A		
WT0315	24 inch Transmission Main Replacement	400,000		A, B, C, D, E	A		A	A		
WT0317	Scrivner Buster Station Upgrade	1,500,000		A, B, C, D, E	A		A	A		
WT0412	West 4th Street Water Main	1,239,400		A, B, C, D, E	A		A	A		
WT0415	Whidby Avenue Main Replacement	500,200		A, B, C, D, E	A		A	A		
WT0417	First Street/Laurel Street Fire Flow	384,000		A, B, C, D, E	A		A	A		
WT0512	East 4th Street Water Main	421,000		A, B, C, D, E	A		A	A		
WT0515	Peabody Reservoir Emergency Overflow Building	145,000		A, B, C, D, E	A		A	A		
WT0517	6th/Laurel and 5th Fire Flow	641,000		A, B, C, D, E	A		A	A		
WT0612	3rd Street and Vine Street Main	368,200		A, B, C, D, E	A		A	A		
WT0615	'E' Street Reservoir Decommissioning	300,000		A, B, C, D, E	A		A	A		
WT0617	Porter Street Zone PRV Improvements	300,000		A, B, C, D, E	A		A	A		
WT0715	Elwha Water Facilities Capital	300,000		A, B, C, D, E						
WT0717	Race/Caroline Street Fire Flow	760,000		A, B, C, D, E	A		A	A		
WT0817	St Andrews Place Fire Flow Loop	530,000		A, B, C, D, E	A		A	A		
WT0917	East First Street Fire Flow	92,000		A, B, C, D, E	A		A	A		
WT1017	18th Street Fire Flow	480,500		A, B, C, D, E	A		A	A		
WT1117	Lauridsen Blvd/Tumwater Fire Flow	560,000		A, B, C, D, E	A		A	A		
WT6499	McDougal Pressure Subzone	700,000		A, B, C, D, E	A		A	A		
ELECTRIC										
CAPEL	Miscellaneous Equipment for Operations	60,634		D						
CL0117	Replace A Street & Laurel Street Substation Switchgear	1,000,000		A,C,D	A 3, A11					
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Rd	260,000		A,C,D	A 3, A11					
CL0212	Yard & Area Light Replacements	99,951		A,C,D	A 3, A11					
CL0216	City / PUD Service Area Agreement	400,000		A,C,D	A 3, A11					
CL0217	I Street Substation SwitchGear	600,000		A, B, C, D, E						
CL0313	Pole Replacement Program	1,300,000		A,C,D	A 3, A11					
CL0314	Construct New Light Ops Building	2,250,000		A,C,D	A 3, A11					
CL0316	Underground Cable Replacement	1,200,000		A,C,D	A 3, A11					
CL0616	Overhead Reconductoring	600,000		A,C,D	A 3, A11					
CL0716	"F" Street Transformer	1,200,000		A,C,D	A 3, A11					
CL0816	College Street Substation SwitchGear	500,000		A,C,D	A 3, A11					
CL0916	Washington Street Substation SwitchGear	500,000		A,C,D	A 3, A11					



CITY OF PORT ANGELES LINK TO COMPREHENSIVE PLAN		TOTAL EXPECTED COST OF PROJECT	VI. Transportation	VII. Utilities and Public Services	X. Capital Facilities	XII. Parks and Recreation	IV. Growth Mngt	XI. Econ. Dev.	IX. Conservation	V. Land Use
STORMWATER										
DR0213	H' Street Stormwater Outfall	510,000		C,D	A					
DR0215	Francis Street Outfall Repair	35,000		C,D	A					
DR0404	Canyon Edge & Ahlvers Stormwater	2,425,000		C,D	A					
DR0117	Peabody Street Water Quality Project	620,000								
DR0115	Liberty Street Stormwater Improvement	2,035,000		C,D	A					
DR0304	Laurel Street and US 101 Stormwater	75,000		C,D	A					
DR0804	Lincoln Park/Big Boy Pond Study	200,000		C,D	A					
DR0112	Valley Creek Culvert and Outfall	600,000					A		B	
SOLID WASTE										
SW0112	Decant Facility at Transfer Station	932,554		A, B, C, D, E						
SW0212	Landfill Cell Stabilization	19,323,802		A, B, C, D, E						
SW0217	City of Port Angeles Landfill Flare Replacement	95,000		A, B, C, D, E						
SW0117	Landfill Operating Software	80,000		A, B, C, D, E						
INFORMATION TECHNOLOGIES										
IT0114	Data and Voice	326,581		D						
IT0117	Server Replacements	525,000		D						
IT0214	Records Management System	291,457		D						
IT0215	Upgrade Project	300,000		D						
IT0216	Business License System	125,000		D						
IT0217	SCADA Server Replacements	90,000		D						
IT0317	Phone System 911 Interface	45,000		D						
IT0416	Cemetery Software	62,500		D						
IT0417	Data/Communication Center	65,000		D						
IT0514	Data Storage Array Systems	450,000		D						
IT0517	EOC Operational Support	175,000		D						
IT0614	Server Replacements	297,138		D						
IT0616	Collaboration Tool	62,500		D						
IT0617	Scheduling Module	75,000		D						
IT0713	Upgrade	147,103		D						
IT0714	Replacement	300,000		D						
IT0716	ERP Road Map Maintenance	62,500		D						
IT0717	Upgrade	100,000		D						
IT0814	Backup Capacity	549,991		D						
IT0816	Management Scheduling	23,800		D						
IT0913	Upgrade/HA Redundancy	500,000		D						
IT1016	Remote Access	7,500		D						
IT1213	System Upgrade or Replace	3,200,000		D						
IT1216	Infrastructure	7,500		D						
GENERAL GOVERNMENT										
GG0303	NICE Program	839,320		A,B,C,D,E				A, B, D		
CAPGF	General Government Capital	41,400		A,B,C,D,E						
GG1502	NOAA/Feiro Facility	12,600,000								B, F
GG0117	Olympic Discovery Trail Heritage Interpretive Signs	52,000	A 9		A 17					



CITY OF PORT ANGELES LINK TO COMPREHENSIVE PLAN		TOTAL EXPECTED COST OF PROJECT	VI. Transportation	VII. Utilities and Public Services	X. Capital Facilities	XII. Parks and Recreation	IV. Growth Mgmt	XI. Econ. Dev.	IX. Conservation	V. Land Use
ELECTRIC										
FD0116	Breathing Apparatus	208,500		A, B3						
	Mobile Data Terminal									
PD0116	Replacements	140,000		A, B3						
GG0616	Fire Hall HVAC/ Heater	36,000		A, B3						
	Fire Station Garage Door									
FD0315	Replacement	50,000		A, B3						
FD0415	Fire Dept Turn-Out Gear	140,000		A, B3						
FD0515	Defibrillator Replacement	38,000		A, B3						
FD0615	Fire Hoses	30,000		A, B3						
GG0716	Fire Hall Living Area Repairs	40,000		A, B3						
	Fire Station Generator/Electrical									
FD0115	Upgrades	23,991		A, B3						
FD0114	West Side Fire Station Land	200,000		A, B3						
FD0216	Fire Training Facility	80,000		A, B3						
FD0316	Senior Center EOC Generator	120,000		A, B3						
FD0416	Radio Transmittor Generator	120,000		A, B3						
FD0799	West Side Fire Station	2,125,000		A, B3						
	Police Regional Training									
PD0307	Facility	265,000		A, B3						
PARKS AND FACILITIES										
	City-wide Alarm System									
GG0316	Upgrade	30,000		A, B3						
	City Hall Fire Suppression									
GG0416	System	75,000		A,B,C,D,E						
	Senior Center Fire									
GG0516	Suppression System	50,000		A, B3						
GG0817	Conference Room Chairs	30,000								
	Valley Creek Restoration									
GG0916	phase 3	2,110,940								J
GG1113	Proximity Access Control	151,563		A, B3						
PK0110	Civic Field Upgrades	500,000				A, B				K
PK0115	City Hall Camera	75,000		A, B3						
PK0117	Civic Field Improvements	217,000				A, B				K
	Restroom Replacement									
PK0205	Program	450,000				A, B				K
PK0214	Erickson Playfield Camera	40,000		A, B3						
	Facility Improvement									
PK0216	Revolving Fund	120,000								
	Erickson Tennis Court									
PK0307	Lighting	80,000		A, B3						
	Locomotive #4 Refurbishment									
PK0316	Locomotive #4 Refurbishment	50,000								
PK0317	Civic Field Home Run Fence	69,000				A, B				
PK0406	Shane & Elks Field Lighting	300,000				A, B				
	Lincoln Park Development									
PK0412	phase 1A	6,700,000				A, B				K
	Lincoln Park Development									
PK0414	phase 1B	7,400,000				A, B				K
PK0417	Calisthenic Park	45,000				A, B				K
	Neighborhood Park									
PK0802	Development	500,000				A, B				K



CITY OF PORT ANGELES LINK TO COMPREHENSIVE PLAN		TOTAL EXPECTED COST OF PROJECT	VI. Transportation	VII. Utilities and Public Services	X. Capital Facilities	XII. Parks and Recreation	IV. Growth Mngt	XI. Econ. Dev.	IX. Conservation	V. Land Use
PK1106	City Pier Floats	365,000				A, B				K
PK9916	Georgiana Park Playground Replacement	94,010				A, B				K
TRANSPORTATION										
TR0101	Laurel Street Stairs Replacement	375,000	A, B		A, B	C				
TR0104	2nd and Valley Pavement Restoration	550,000	A, B							
TR0111	Marine Drive Channel Bridge	673,617	A, B							
TR0113	Waterfront Redevelopment	8,100,000	A, B			C, F		A		
TR0114	Hill Street-Olympic Discovery Trail	229,000	A, B		B	F				
TR0115	N Street (5th to 15th) - Chip Seal	300,000	A, B							
TR0117	Liberty Street Reconstruction	450,000	A, B							
TR0203	Waterfront Development	9,491,809	A, B			C, F		A		
TR0208	Alternate Cross Town Route Study	220,000	A, B							
TR0209	Race Complete Street - Design	472,976	A, B		B	C		C		
TR0212	Caroline Street Slide Repair	375,000	A, B							
TR0215	Peabody Street Chip Seal	200,000	A, B							
TR0216	Tumwater Street Bridge Joint	233,420	A, B							
TR0217	Lauridsen Blvd Traffic Calming	300,000	A, B	A						
TR0308	O Street Improvements	1,500,000	A, B							
TR0314	Ennis Creek Culvert Replacement	525,000	A, B				A			J
TR0315	Peabody Street Chip Seal	125,000	A, B							
TR0316	8th Street (C to I) Chip Seal	200,000	A, B							
TR0317	Chase Street Vicinity Chipseal	320,000	A, B							
TR0405	Alley Paving Revolving Funding	750,000	A, B							
TR0414	Peabody Creek/Lincoln St Culvert Repair	3,431,300	A, B							
TR0416	1St/2nd/Valley/Oak Green Alley	470,000	A, B		E				B	J
TR0417	Ennis Street Pavement Repair	70,000	A, B							
TR0499	Laurel St/Ahlvers Road Overlay	400,000	A, B	A	B				A	
TR0506	Valley Creek Trail Loop	100,000	A, B	A	B				A	
TR0515	Lauridsen Blvd Overlay	1,200,000	A, B							
TR0516	Nancy Lane Pavement	200,000	A, B							
TR0517	6th/7th Alley (Francis to Washington)	200,000	A, B							
TR0599	Hill Street Intersection	485,000	A, B							
TR0615	Golf Course Road Chip Seal	175,000	A, B							
TR0616	ADA - Francis Street	300,000	A, B							
TR0715	16th Street LID	1,060,000	A, B		E				A, B	
TR0716	ADA - Peabody Street	300,000	A, B							
TR0815	Old Mill Road Paving	375,000	A, B							
TR0816	ADA - Cherry Street	300,000	A, B	A	B					



CITY OF PORT ANGELES LINK TO COMPREHENSIVE PLAN		TOTAL EXPECTED COST OF PROJECT	VI. Transportation	VII. Utilities and Public Services	X. Capital Facilities	XII. Parks and Recreation	IV. Growth Mngt	XI. Econ. Dev.	IX. Conservation	V. Land Use
Port Angeles Tourism										
TR0909	Wayfinding and Signage	200,000	A, B							
TR0915	Park Avenue Paving Overlay	375,000	A, B							
TR0916	ADA - Oak & Laurel Streets	300,000	A, B							
TR1009	1st, Front & Race Street Nodes	433,632	A, B							
TR1015	Cherry Street Area Chip Seal	750,000	A, B							
TR1016	18th Street Bike Accessibility	700,000	A, B	A	B		A			
TR1100	10th Street Reconstruction	895,000	A, B	A	B					
TR1109	Marine Drive Bulkhead Repairs	780,000	A, B	A	B					H
TR1116	School Area Speed Signs (Near Franklin)	50,000	A, B		B					
TR1200	10th Street Overlay (M to I)	325,000	A, B							
TR1215	City Hall East Parking Lot LID	602,000	A, B		E	C			B	
TR1216	5th and Liberty Solar Speed Display	50,000	A, B							
TR1299	Park Avenue Chip Seal	130,000	A, B							
TR1316	Traffic Control	300,000	A, B							
TR1399	Traffic Signal Interconnect/Preemption	725,000	A, B				A			
TR1416	Hamilton School Walking Routes	210,000	A, B		B					
TR1516	Peabody Street Chip Seal	125,000	A, B							
TR1799	Truck Route at Hwy 101 Intersection	6,000,000	A, B							
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	1,900,516	A, B				A			



IV. GROWTH MANAGEMENT ELEMENT

General Comments

This Comprehensive Plan has been developed in accordance with the requirements of the State Growth Management Act. The City met all of the Act's required deadlines for compliance and participated with Clallam County, the City of Forks, the City of Sequim, the Tribes and various other agencies in the development of a County-Wide Planning Policy.

Early in the planning process the City agreed with the County to address only areas within the current city limits in the City's Comprehensive Plan and to work with the County on a Joint Comprehensive Plan for the Urban Growth Area. On April 13, 1993, the Board of Clallam County Commissioners adopted an Interim Port Angeles Urban Growth Area. The City and County entered into an interlocal agreement in 2005 on a phased annexation plan for the Eastern Urban Growth Area. A similar agreement was reached regarding the western Urban Growth Area. At that time, the City established the intended zones that would be applied to areas annexed to the City from the EUGA.

The following goals and policies are included in the Comprehensive Plan to insure continued compliance with the Growth Management Act and compatibility with the County's Comprehensive Plan outside of the PAUGA.

Goals, Policies, and Objectives

Goal

- A. To manage growth in a responsible manner that is beneficial to the community as a whole, is sensitive to the rights and needs of individuals and is consistent with the State of Washington's Growth Management Act.

Policies

1. In all its actions and to the extent consistent with the provisions of this comprehensive plan, the City should strive to implement the following goals of the State Growth Management Act:
 - a. Urban growth. Encourage development in urban areas where adequate public facilities and services exist or can be provided in an efficient manner.
 - b. Reduce sprawl. Reduce the inappropriate conversion of undeveloped land into sprawling, low-density development.
 - c. Transportation. Encourage efficient multimodal transportation systems that are based on regional priorities and coordinated with county and city comprehensive plans.
 - d. Housing. Encourage the availability of affordable housing to all economic segments of the population. Promote a variety of residential densities and housing types and sizes, and encourage preservation and expansion of existing housing stock.
 - e. Economic development. Encourage economic development throughout the region that is consistent with adopted comprehensive plans, promote economic opportunity, especially for unemployed and for disadvantaged persons, and encourage growth in areas experiencing insufficient economic



growth, all within the capacities of the region's natural resources, public services and public facilities.

- f. Property rights. Private property should not be taken for public use without just compensation having been made. The property rights of landowners should be protected from arbitrary and discriminatory actions.
 - g. Permits. Applications for both state and local government permits should be processed in a timely and fair manner to ensure predictability.
 - h. Natural resource industries. Maintain and enhance regional natural resource-based industries, including productive timber management, agricultural, and fisheries industries.
 - i. Open space and recreation. Encourage the retention of open space and development of recreational opportunities, conserve fish and wildlife habitat areas, increase access to natural resource lands and water, and develop parks.
 - j. Environment. Protect the environment and enhance the state's high quality of life, including air and water quality, and the availability of water.
 - k. Citizen participation and coordination. Encourage the involvement of citizens in the planning process and ensure coordination between communities and jurisdictions to reconcile conflicts.
 - l. Public facilities and services. Ensure that those public facilities and services necessary to support development should be adequate to serve the development at the time the development is available for occupancy and use without decreasing current service levels below locally established minimum standards.
 - m. Historic preservation. Identify and encourage the preservation of lands, sites and structures that have historical or archaeological significance.
2. The Port Angeles Urban Growth Area (PAUGA) should be established based at a minimum upon land use demand as determined by the Clallam County 20-year population forecast for Clallam County and specified sub-areas, so long as the county-wide forecast is not less than the most recent forecasts available from the State Office of Financial Management.
 3. The City should work with the County to develop an annexation plan which allows the annexation of land characterized by urban development and which is consistent with the extension of services and the land development policies of the City's Comprehensive Plan and Capital Facilities Plan.
 4. The City should work with the County to ensure appropriate techniques for managing future growth consistent with the urban density, such as a minimum density within the PAUGA and a maximum density outside the PAUGA. A range of densities should be provided by the City for lands within the PAUGA, including some lands for relatively low density single-family development and some lands at a range of densities both allowing and encouraging multi-family development.
 5. Urban services/facilities should be provided consistent with the Capital Facilities Element.



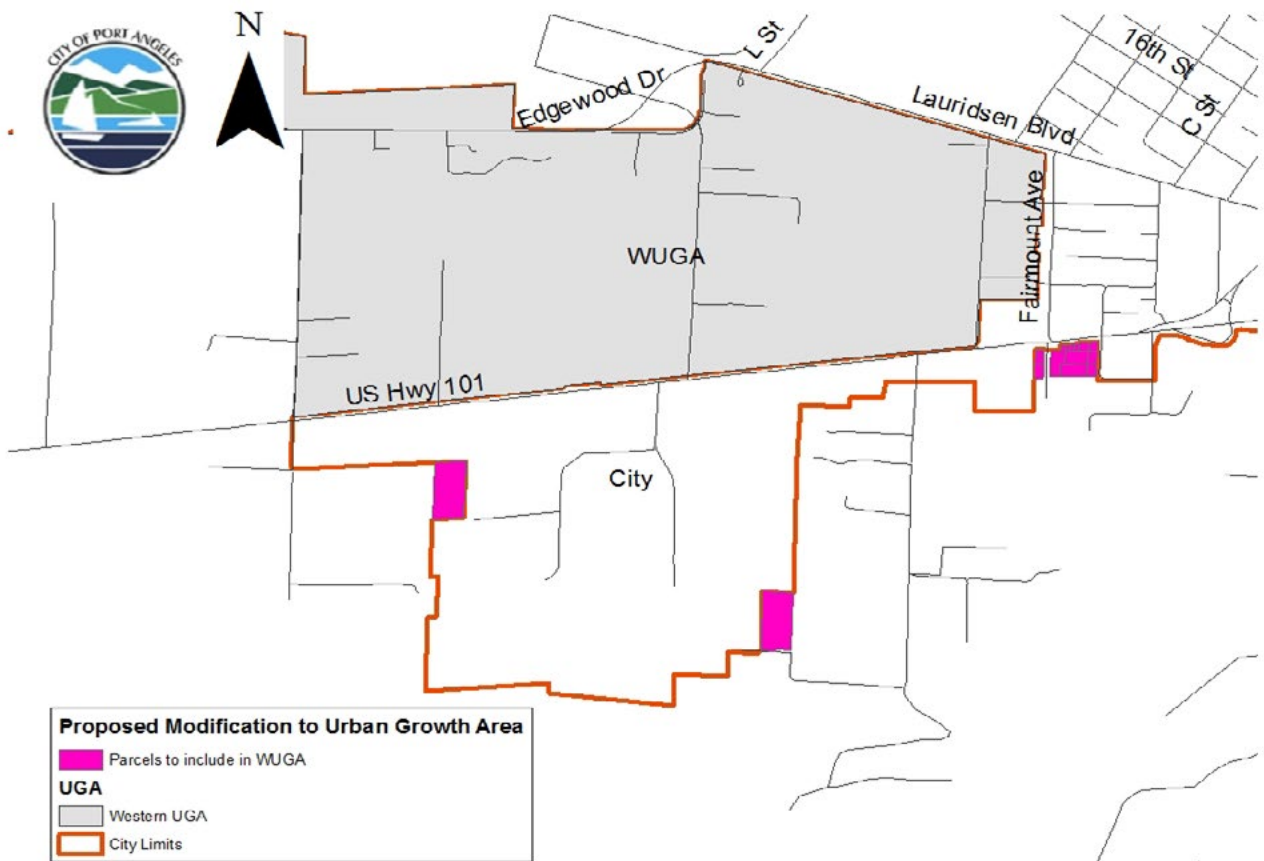
6. The City should work with the County and other service providers to determine the appropriate levels of service for such facilities and services and to ensure consistency between service provision within the City, the PAUGA, and the County.
7. The City's preferred policy is to recognize a density of one unit per acre as urban/suburban and to use this density as the demarcation between urban and rural for purposes of establishing or amending the PAUGA; however, the City will continue to discuss this issue with the County with the goal of arriving at a consistent City/County policy prior to finalization of the UGA.
8. The PAUGA should include areas characterized by urban growth adjacent to the existing City boundaries and should take into account the area's physical features.
9. Land designated for commercial or industrial uses, which encourage adjacent urban development, should be located within the PAUGA. Lands adjacent to the UGA should be protected from adverse impacts generated by urban uses located within the UGA.
10. The amount of acreage designated for commercial, industrial, or other non-residential uses within the PAUGA should be based upon the Land Use Element and Economic Development Element in the City's Comprehensive Plan.
11. The PAUGA should be established to avoid critical areas, unless addressed as part of the City's Comprehensive Plan, and to exclude resource lands.
12. Urban services to be provided within the PAUGA should include, at a minimum, sanitary sewer systems, solid waste collection/disposal systems, water systems, urban roads and pedestrian facilities, street cleaning services, transit systems, stormwater systems, police, fire and emergency services systems, electrical and communication systems, school and health care facilities, and neighborhood and/or community parks.
13. The City should be the ultimate provider of urban services within the City limits and the PAUGA for those services the City provides except to the extent otherwise provided in a UGA Urban Services and Development Agreement that is reached pursuant to the County-Wide Planning Policy.
14. Urban services/facilities for which the City is the ultimate provider should be provided and constructed to meet the design and construction standards of the City.
15. The City or service provider should demonstrate the financial capability for continued operation of the facility following construction.
16. Regulations to protect critical areas, which occur within the PAUGA, should be developed to ensure protection of such areas.
17. All development regulations should be promulgated with due regard for private property rights in order to avoid regulatory takings or violation of due process and to protect property rights of landowners from arbitrary and discriminatory actions.
18. The City and County should together designate and set aside additional lands on the west side of the City for industrial and commercial purposes, both inside the City limits and in the UGA.



19. The City should establish performance measures to review progress toward accommodating growth and to ensure appropriate actions are taken to achieve the goals of our community.

Objective

1. The City will continue its efforts to comply in a timely manner with the requirements of the State Growth Management Act.
2. The City will recommend expansion of the southwestern Urban Growth Area to include twelve parcels located in an area bounded on the north by US 101, on the east by Old Joe Road (the western City limits at that location), on the west by the existing Urban growth Boundary, and on the south by a line parallel to the Old Joe Road right-of-way extended west to the Urban Growth Boundary. Also a single parcel described as Parcel Number Parcel Number 063017230050, Parcel 5 Volume 12 of Surveys Page 130, SW ¼ of NW ¼, and a single parcel described as Parcel Number 063018120210.



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Figure 13 Proposed area for expansion of the western Urban Growth Area.



3. The City will conduct a Buildable Lands Inventory to examine the need for UGA expansions.

Goal

- B. To ensure the orderly transition of land within the PAUGA into the City of Port Angeles.

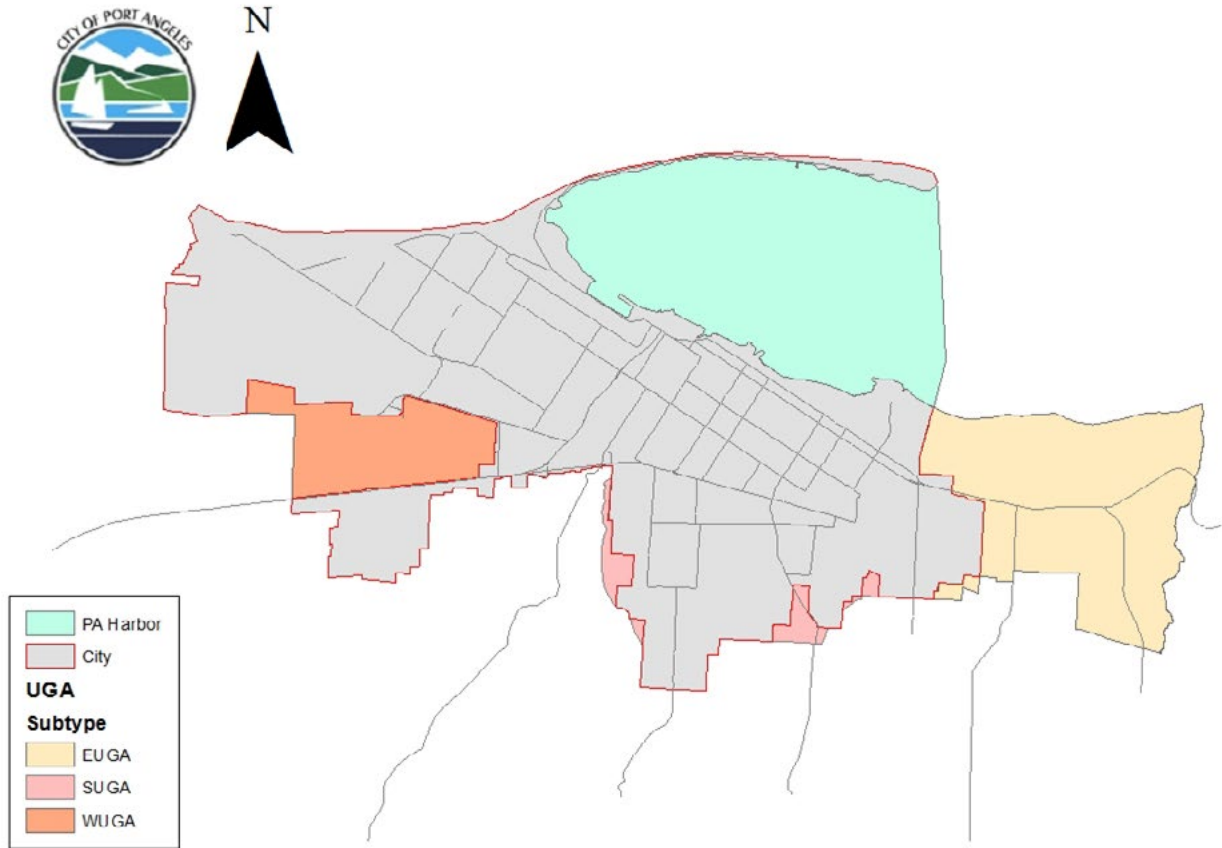
Policies

1. Annexation of land, which is outside the established boundaries of the PAUGA, shall not be allowed.
2. Annexation of land from within the established boundaries of the PAUGA shall be in accordance with the adopted annexation laws.
3. Annexation of land, which is not adjacent to and/or contiguous with the established City Limits boundary-line, should not be allowed.
4. At the time of annexation, the City should appropriately classify and zone such land, based upon the City Comprehensive Land Use Map and the City Comprehensive Plan. Thereafter, the provisions, restrictions, and requirements of The Port Angeles Zoning Code, shall apply to development of the annexed area.
5. Annexation and development of land should be consistent with the orderly extension of urban services/facilities and be in accordance with the City's Comprehensive Plan and capital facility planning.
6. No annexation of land should be allowed in which existing development cannot meet the established concurrency requirements of the City within six years from the time of annexation.
7. No annexation of land should be allowed which results in decreased minimum standards for City streets, water service, sewer service, and/or electrical service provided to existing residents of the City.
8. No annexation of land should be allowed which results in decreased minimum standards for City solid waste collection, stormwater management programs, emergency services and/or telecommunication services provided to existing residents of the City.
9. Annexation boundaries should be drawn to eliminate boundary, interjurisdictional, and service problems.
10. Necessary rights-of-way and easements should be obtained prior to or at the time of annexation.
11. The City should facilitate any annexation in a manner that will minimize financial impact to all residents and businesses.
12. The City should annex its urban growth areas (UGAs) in accordance with State statutes as facilities are extended into those areas and as new urban development takes place.



Objectives:

1. The City will work with Clallam County and affected special districts to develop fair and equitable interlocal revenue sharing agreements to insure the orderly transition of land within the PAUGA into the City.
2. As the ultimate provider of urban services within the City limits and the urban growth areas, the City will work with Clallam County and the affected special districts to facilitate economic growth and new residential construction and to encourage annexation of land within the PAUGA into the City.



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Figure 14 Urban Growth Area map



V. LAND-USE ELEMENT

General Comments

The Land Use Element establishes City policy regarding how land may be developed. This element and its Land Use Map establishes the following six comprehensive plan land use categories:

- Low Density Residential,
- Medium Density Residential,
- High Density Residential,
- Commercial,
- Industrial, and
- Open Space.

These land use categories are described below and located on the Land Use Map (Figure 12).

Low Density Residential (Up to 7 Units per Acre)

The Land Use Map identifies three separate categories of residential development. The first is Low Density Residential, which allows an overall residential density of a project or property to range up to 7 units per acre. The high majority of residentially designated property in the City will be of this designation. It is intended for the development of single family homes. It also allows for the development of accessory residential units and duplexes in accordance with the underlying zoning.

Medium Density Residential (Up to 13 Units per Acre)

The primary intent of this designation is for the development of multiple residential unit projects including but not limited to duplexes, townhouses, condominiums, and apartments at a density up to 13 units per acre.

High Density Residential (Up to 39 Units per Acre, except that existing motel or hotel units may be converted to residential units at a density greater than 39 Units per Acre).

The primary intent of this designation is for development at a density up to 39 units per acre and is intended for areas where a higher concentration of residents is compatible with the surrounding area and uses. Condominiums and apartments, are the types of building designs appropriate for this category.

Commercial

The Land Use Map contains one commercial category, thus providing maximum flexibility to the City's Zoning Ordinance in regulating the types of commercial uses and their permitted locations.

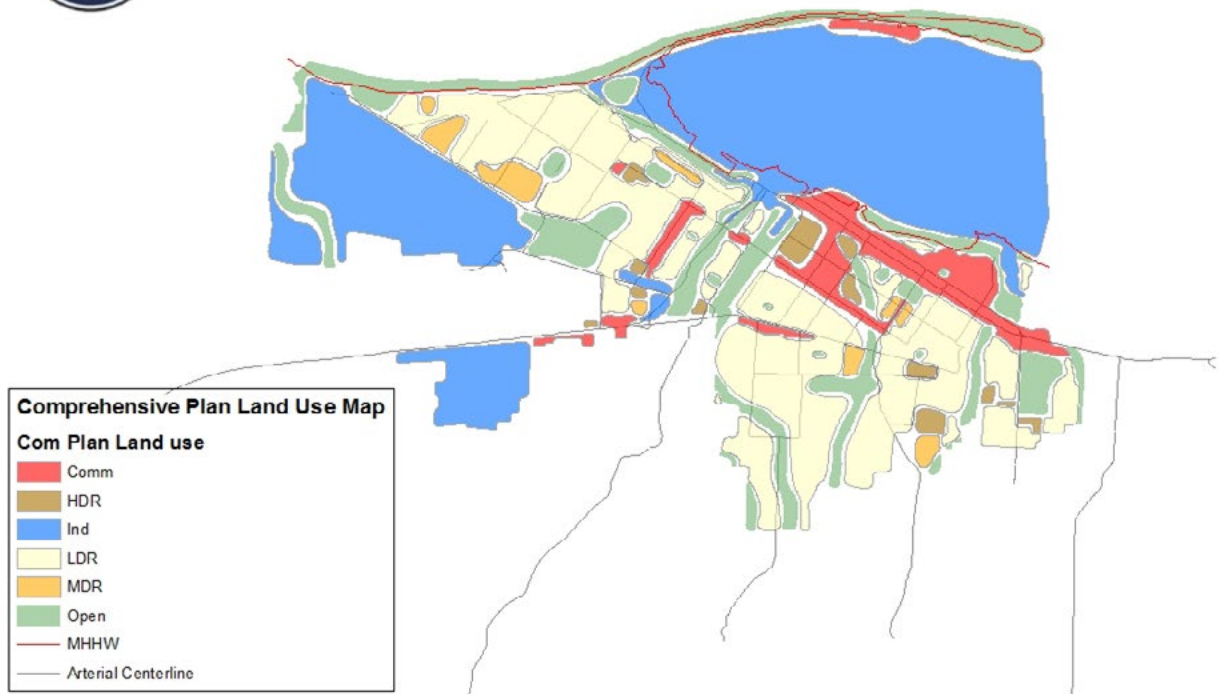
Industrial

The Land Use Map also designates only one industrial category, thus again providing maximum flexibility to the City's Zoning Ordinance in regulating the types of industrial uses and their permitted locations.

Open Space

The Open Space category includes areas of the City that contain unique or major physical features, such as marine shorelines, bluffs, ravines, major streams, wetlands, critical wildlife habitat, and other natural areas deemed of significant importance to the community. This category also includes developed parks and recreational uses. The development of natural open space areas should be limited to only that which is necessary and does not degrade the significance of the area.





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Figure 15 Land Use Map
 Land Use Map, Goals, Policies, and Objectives

Goal

- A. To guide current and future development within the City in a manner that provides certainty to its citizens about future land use and the flexibility necessary to meet the challenges and opportunities of the future.

Policies

1. The Comprehensive Plan Land Use Map should be used as a conceptual guide for determining current and long-range zoning and other land use decisions. The map's land use designations are intended to show areas where general land use types are allowed. The area between land use designations should be considered an *imprecise margin* in order to provide flexibility in determining the boundary of such areas. When determining appropriate zoning designations for an area near a margin, the goals, policies and objectives of the Land Use Element should take precedence.
2. All land use decisions and approvals made by the City Council and/or any of its appointed Commissions, Boards or Committees should be consistent with the Comprehensive Plan and its land use map.



3. The City should investigate the value and utility of form-based codes, either as applied to the entire City or to specific areas within the City.
4. All development within the City should be encouraged to utilize low impact development techniques and BMPs, where feasible.
5. The City should consider the projected climatic change impacts and adaptation strategies contained in the *Climatic Change Preparedness Plan for the North Olympic Peninsula*, September 2015.
6. The City should investigate and develop performance based zoning for commercial and industrial zones, with the purpose of protecting neighboring zones from adverse impacts, such as noise, odors, lighting, and adverse impacts to air and water quality.
7. The City should consider ways to improve the process of public noticing of proposed projects to ensure that surrounding neighbors are adequately informed of land use decisions that may impact their quality of life.
8. All industrial sites should be required to buffer their operations in a manner that protects surrounding properties from the adverse impacts of noise, odors, glare, water and air.
9. In order to insure that industrial activity can continue and be further developed in a predictable manner the City Should coordinate with Clallam County in the development of performance-based zoning standards and other land use controls to protect rural residential areas.

Objective

1. The City will review and revise as necessary the existing Zoning Ordinance, Zoning Map, and other development regulations to ensure consistency with the Comprehensive Plan.

Residential Goals, Policies, and Objectives

Goal

- B. To have a community where residential development and use of the land are done in a manner that is compatible with the environment, the characteristics of the use and the users, and the desired urban design of the City.

Policies

1. Urban services should be available for all residential areas as required by the Capital Facilities Element concurrency policy.
2. Single family lots should be of reasonable shape and should have access provided by a collector arterial, local access street or an alley.
3. Large lots should allow for future subdivisions at the densities permitted for the zone in which they are located.
4. All residential developments should be designed with the provisions of fire protection and service vehicle access as key factors in street design and circulation pattern.



5. For efficient circulation, rights-of-way should be obtained and improvements made to further the grid street pattern in the central Townsite area of the City. Cul-de-sacs and curvilinear streets may be permitted when designed as an integral part of the major grid street pattern in the outlying areas of the City, where low impact development standards apply.
6. All residential developments should be encouraged to preserve and capitalize on existing unusual, unique, and interesting natural, historic, archaeological, and/or cultural features, should preserve and utilize native and drought tolerant vegetation, should utilize and preserve scenic views, should maximize southern exposures and solar efficiency, should offer protection from prevailing winds, and should be designed to minimize energy use.
7. Planned Residential Development techniques should emphasize the overall density of the development rather than minimum lot sizes.

Goal

- C. To have a community of viable districts and neighborhoods with a variety of residential opportunities for personal interaction, fulfillment, and enjoyment, that are attractive to people of all ages, characteristics and interests.

Policies

1. Residential land should be developed on the district and neighborhood concept. Although such districts may be composed primarily of residential uses of a uniform density, a healthy, viable district should be composed of residential uses of varying densities, which may be augmented, by subordinate and compatible uses. Single family and multi-family homes, parks and open-spaces, schools, churches, daycare and residential services, home occupations, and district shopping areas are all legitimate components of district development and enhancement. A neighborhood should be primarily composed of low, medium, or high density housing.
2. Medium and high density housing should be located in areas of the community most suitable for such uses, based on existing services, public facilities, and transportation.
3. Medium and high density housing should be served by arterial streets of sufficient size in order to satisfy traffic demand and to lessen neighborhood traffic congestion.
4. Medium and high density housing could be a transitional use between different land uses, provided such other uses would not adversely impact the residential nature of the housing.
5. Medium and high density housing policies should apply to mobile home parks.
6. Manufactured homes that meet current state regulations should be treated as site constructed housing for zoning purposes.
7. The City should expand housing opportunities in the Central Business District for all income levels, with an emphasis on providing additional moderately priced owner-occupied units.



Goal

D. To create and maintain a healthy and diverse commercial sector for a balanced and stable local economy.

Policies

1. The City should encourage the recruitment of new and the retention of existing commercial developments and businesses, which are consistent with the goals and policies of this Comprehensive Plan.
2. Public uses such as government offices, public service buildings, and other public and quasi-public facilities and services should be allowed in commercially designated areas.
3. The City should vacate rights-of-way to facilitate retention of existing businesses and location of new businesses where land assembly is necessary to achieve the desired urban design of the City.
4. The City should consider potential environmental consequences, such as greenhouse-gas emissions and carbon footprints, when encouraging new commercial developments and businesses.

Objectives

1. The City will work with the Lower Elwha Klallam Tribe to develop a cultural center and marina for large pleasure boats in Port Angeles Harbor.

Goal

E. To provide shopping opportunities which meet the needs of all City residents and visitors in safe, usable shopping areas that are compatible with the surrounding area and uses, the environment, and the desired urban design of the City.

Policies

1. Urban services should be available for all commercial areas as required by the Capital Facilities Element concurrency policy.
2. New commercial developments should follow a cluster configuration rather than a strip pattern.
3. Commercial development should buffer its impacts on adjacent residential uses. Where commercial development is adjacent to residential uses, the commercial development should incorporate elements in the site design to soften the impacts on the residential uses.
4. Service access may overlap with parking areas to minimize impervious area. Service areas should be separated from pedestrian areas wherever and whenever possible to accommodate vehicular traffic and pedestrian safety.
5. Commercial development outside the US 101 corridor should not be in a strip pattern.
6. New Comprehensive Plan commercial area designations should not be located along the alternate local cross-town route or the cross-town truck route.



7. District shopping areas should be located at the intersections of arterial streets of sufficient size to satisfy traffic demand and at the boundaries of neighborhoods so that more than one neighborhood may be served.
8. The City should allow neighborhood shopping nodes in residentially designated areas as long as they are in accordance with the planning area/district/neighborhood land use concept and as long as they do not encourage traffic from outside the neighborhood or increase traffic congestion within residential neighborhoods.
9. The City should identify neighborhoods lacking nearby accessible services.
10. The City should identify locations to develop small commercial opportunities in neighborhoods.

Goal

- F. To provide a pleasant, safe, and attractive shopping environment in the traditional downtown waterfront area which provides a wide variety of shopping, dining, entertainment, arts, culture, and housing opportunities for visitors and residents alike.

Policies

1. Commercial development in the traditional downtown should reemphasize its waterfront location and historic heritage, should be oriented to pedestrians and tourists, and should provide maximum enjoyment of the environment and public amenities as well as protection from adverse weather conditions.
2. The City should continue to promote improvements to the traditional downtown area, through beautification projects and in cooperation with downtown business merchants.
3. Residential uses should be encouraged for the downtown area as part of a mixed-use development concept. The City should encourage the development of live/work spaces in the downtown area while ensuring that the physical environment of downtown residential development is compatible with housing uses by minimizing traffic impacts, maintaining security, and providing and maintaining amenities.
4. The City should work with the Port Angeles Downtown Association and all interested parties to develop urban design review guidelines that facilitate architectural elements/features, which should encourage complimentary and aesthetically pleasing new development in the Central Business District (CBD).

Objectives

1. The City will encourage community events such as holiday ceremonies, town gatherings, arts and crafts displays, and special business activities such as a Farmer’s Market, particularly in the Downtown.

Industrial Goals, Policies, and Objectives

Goal

- G. To create and maintain a healthy and diverse industrial sector for a balanced and stable local economy.



Policies

1. The City should promote a cooperative intergovernmental plan for comprehensive development of industrial infrastructure and amenities to attract and support light and heavy industry. Plans should contain specific language intended to protect rural residents located outside of the City limits from adverse impacts from industrial uses.
2. Office, commercial, and limited work/live uses should be allowed in specifically designated industrial areas.
3. The William R. Fairchild International Airport should be considered an essential public facility as referenced in Appendix B (Clallam County-Wide Planning Process).

Goal

- H. To provide opportunities for industrial development in a manner, which efficiently uses the community's various attributes and natural resources, has minimal impact on the environment, contributes to the City's quality of life, and is compatible with the desired development pattern of the City.

Policies

1. Urban services should be available for all industrial areas as required by the Capital Facilities Element concurrency policy.
2. Infrastructure, which makes sites attractive and ready to develop, including transportation facilities and utilities, should be available at industrial parks. Industrial development should be encouraged to follow industrial park design concepts.
3. Industrial areas should buffer their impact to mitigate nuisance and hazardous characteristics such as noise, particulate matter in the air, water or odor pollution, or objectionable visual material, especially for existing rural residents located outside the City limits.
4. Industrial activity should be located in three major areas: adjacent to the harbor, around the airport, and along Hwy 101 west of Benson Road.
5. Because they are hazardous to the community and detrimental to the general environment of the area petroleum refineries, liquefied natural gas and liquefied petroleum gas facilities, energy facilities, energy plants and their associated facilities and associated transmission facilities, as defined in Chapter 80.50 RCW, should not be permitted outside the heavy industrial use area and without conditional use review.
6. The City should discourage the siting of incompatible uses adjacent to the William R. Fairchild International Airport recognizing the need to coordinate airport related uses and other existing land uses that are already established in the vicinity.
7. Limited work/live environments in industrial zones should be encouraged for art or cultural activities that engage in media that are consistent with industrial use. Circumstances should facilitate art opportunities without impacting the industrial integrity of the underlying zone.



8. The City should consider the siting of clean-energy facilities (e.g., solar, wind, geothermal, wave, tidal) outside of industrial areas, as a conditional use.
9. The City should consider the climatic change impacts of any proposed new industrial activity or expansion.

Goal

- I To facilitate and encourage redevelopment and reuse of large closed or isolated industrial areas within the City in a manner that fosters the local economy and a stable job base.

Policies

1. The City should consider a wider range of uses for redevelopment of large closed or isolated industrial areas than would otherwise be permitted under industrial zoning, including mixed-use development, commercial development and/or residential development as well as industrial uses.
2. The City should consider proposals for any needed amendment of the Comprehensive Plan and zoning concurrently with an application for a binding site plan for some or all of the site of a large closed or isolated industrial property, provided that any change to the comprehensive plan will be acted on as part of the City's annual Comprehensive Plan amendment cycle.
3. The City should approve mixed-use or nonindustrial development of large closed or isolated industrial sites, where it is shown that permitting a wider range of uses on the site will not contribute to or encourage the conversion of other industrial areas to nonindustrial use.
4. The City should create a planned industrial development overlay zone for the purpose of allowing mixed-use development for large closed or isolated industrial sites.

Open Space Goals, Policies, and Objectives

Goal

- J. To create open space for relief within the urban landscape, to retain natural landscapes, to preserve fish and wildlife habitat, and to provide natural corridors, which connect wildlife habitats.

Policies

1. The City should further public interest by designating open spaces to preserve unique or major physical features, such as marine shorelines, bluffs, ravines, streams, wetlands, wildlife habitat and other environmentally sensitive areas deemed of significant importance to the community.
2. The City should continue to acquire property that provide opportunities to preserve major physical features providing wildlife habitat and open space corridors between the waterfront and the Olympic National Park.
3. The City should limit the use of and access to such natural areas to only that which does not degrade the significance of the area and which protects the rights of property owners.



4. Wooded areas, vegetation, and individual trees serve a functional purpose in climate, noise, light, habitat, and pollution control and should be preserved as part of the urban landscape.
5. The City should discourage intensive recreational uses and impervious surfaces in sensitive open space areas. Permeable materials should be used for walkways and trails in open space areas where feasible.
6. The City should consider separating the Public Buildings and Parks zone to an Open Space zone and a PBP zone to differentiate environmentally sensitive areas or natural features and spaces from sites containing public facilities and buildings.

Objectives

1. The City will develop a program of land banking, transfer of development rights, or other innovative techniques, which preserve open spaces.
2. The City will support development of a public golf course.

Goal

- K. To encourage the development of parks and recreational opportunities for all residents of the City and to increase access to natural areas in a manner that minimizes adverse impacts, and to achieve the desired development pattern of the City.

Policies

1. The City should include all City-owned parks in its designated open spaces and establish development standards that discourage conversion of open spaces to other uses.
2. Development and planning of parks and recreational facilities should follow a comprehensive service and facility plan consistent with the Capital Facilities Element.
3. Public parks and recreational facilities should be equitably distributed throughout the City to afford access to all residents.
4. Every effort should be made to consolidate and utilize land donated for public use to provide common open space, public buildings, parks, and recreational opportunities, while incorporating LID techniques and BMPs in all projects where feasible.
5. The City should preserve and maintain unique or major physical features contained within the boundaries of City parks and recreational areas for access and enjoyment by residents of the community.
6. The City should cooperate with the County and other jurisdictions in planning, funding, constructing, and managing multi-purpose recreation and transportation trails which link together various areas of the City, the Port Angeles Urban Growth Area (PAUGA), and other areas of the County and region.
7. The City should develop neighborhood parks for the developing areas on the west, south and east sides of the City to support new subdivisions.



Objective

1. The City will establish standards for development of trails, which minimize the impact on designated open space. The use of permeable materials for walkways and trails will be required where feasible.



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VI. TRANSPORTATION ELEMENT

General Comments

The intent of the Transportation Element is to define in a comprehensive manner how vehicular traffic and nonmotorized modes of travel are to be routed from one portion of the community to another in the most efficient, economical, and compatible manner. The City's Circulation Plan in accordance with the Statewide National Functional Classification System identifies the City's principal arterial streets, minor arterial streets, and collectors with the remaining streets classified as local streets (See Figure 6). The City's Circulation Plan acknowledges that such a regional system serves many functions. It is a means of intercity commuting, a way to promote economic development, a means to promote a healthy lifestyle, and a way to provide future utility right-of-way.

Goals, Policies, and Objectives

Goal

- A. 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.

Policies

1. Pedestrian, bicycle, and other non-motorized paths, bike racks, storage facilities, drinking fountains, and benches should be an integral part of the circulation system.
2. 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.
3. 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.
4. Planning for transportation services and facilities (including public streets, bikeways, pedestrian walkways, and public and private air, marine and land transit services and facilities) shall be performed consistent with the goals and policies of the Capital Facilities Element.
5. The City should update the Transportation Element to be consistent with Bill 1487 and the Regional Transportation Plan.
6. The City should encourage development of low-carbon-impact transportation infrastructure.
7. The City should improve amenities for walking and biking, connecting neighborhoods to downtown, commercial centers and the regional trail system.
8. The City should consider converting alleyways into attractive pedestrian zones for access to local businesses. Encourage alleyways for use as pedestrian zones.
9. The City should improve trails, sidewalks, streets, and public facilities to encourage walkability and non-motorized transportation.
10. The City should work with WSDOT to enhance pedestrian and bicycle safety along HWY 101 west of Laurel St. to the western city limits.



Objectives

1. The City will be an active partner in the development of the Olympic Discovery Trail which passes through and along key parts of its park, street, pedestrian, and nonmotorized transportation systems and facilities.
2. The City will support extension of the Waterfront (Olympic Discovery) Trail from Marine Drive at Hill Street to the Elwha River.
3. The City will support extension of the Waterfront Trail from City Pier along Railroad Avenue to the Valley Creek Estuary.
4. The City will continue efforts to improve or provide access to Valley, Tumwater, Peabody, Ennis, and White's Creeks and the development of the Foothills Trail System.
5. The City will incorporate bicycle friendly amenities including bike path development and maintenance, signage, and storage into new transportation facility improvements.
6. The City will encourage public streetscape improvements, such as street trees, art and creative community-oriented beautification efforts, pedestrian and bicycle amenities, and LID techniques and BMPs where feasible through a comprehensive streetscape development and maintenance plan.

Goal

- B. To improve circulation patterns across and within the community, and to achieve the desired development pattern of the City.

Policies

1. Traffic flow modifications such as signalization, signing, parking restrictions, channelization, and one-way couplets should be made before physical alterations are made to existing streets.
2. The City should divert cross-town truck traffic around the downtown area.
3. The City should facilitate an additional route for local cross-town traffic across White's Creek ultimately connecting with US 101.
4. In association with these two proposed cross-town routes the City should require adequate mitigation measures to reduce any negative impacts on existing land uses, including buffer areas, pedestrian sidewalks and crossings, bikeways, and reduced speeds.
5. The City should facilitate the development of an alternate local cross-town route with improvements, which provide full access at US 101 and SR 117 (the Tumwater Truck Route). Improvements should be made to the intersections of Lauridsen Boulevard at Lincoln and Peabody Streets. Improvements should be made to the Lauridsen Boulevard Bridge over Peabody Creek. Improvement should be made for the development of a crossing over White's Creek. The City should revise its development regulations as necessary to preserve the right-of-way within an identified US 101 corridor.
6. Alternate local cross-town route improvements should be given a high priority in capital facility planning.



7. The City should coordinate with the State Department of Transportation, Clallam County, Clallam Transit System, and the Peninsula Regional Transportation Planning Organization transportation planning efforts. This includes recognition of US 101 and SR 117, along with connecting roadways of Front, Lincoln, Railroad, Oak, and First Streets to and from the ferry landings, and along Front Street and Marine Drive and First Street between US 101 and SR 117, as transportation facilities of state-wide significance which are declared essential public facilities under the Growth management Act. Review of potential impacts to these facilities and LOS standards will be incorporated with future updates to the City's Comprehensive Plan, as required by the Act.
8. Traffic circulation to and from the airport and around associated industrial areas should be improved.
9. The City should encourage and participate in the completion of the traffic circulation system for west side development.
10. New arterial streets, local access streets, and alleys should be designed and constructed to conform to the most current editions of the Statewide National Functional Classification System for Federal Aid Systems, WSDOT, and Transportation Improvement Board minimum design standards and standards as adopted by the City. Permeable pavement is preferred for local access streets and alleys where feasible.
11. Arterial street rights-of-way should be acquired by the City in advance of the time of development in accordance with the Comprehensive Plan's Circulation Plan Map.
12. Principal, minor, and collector arterial streets should be located on the edge of district boundaries wherever possible.
13. Off-street parking should be sufficient and accessible within business and residential areas to ensure that the traffic flow of the street is not impaired.
14. Road improvements should provide for alternate modes of transportation, and new roads should be evaluated for the ability to accommodate alternate modes of transportation.
15. Parking requirements should make allowances for shared parking facilities.
16. The City should assist the public transit system by providing convenient access between neighborhoods, residential, commercial, and industrial areas and between major community facilities.
17. Police and fire protection should be a key factor in residential subdivision street designs and circulation patterns.
18. The development of the City's comprehensive service and facilities plan for streets, bikeways, pedestrian walkways, and the overall transportation system, and regional transportation plans should all be consistent. These plans, as adopted and hereafter amended, are incorporated herein.
19. The City should work with other jurisdictions to identify and protect a right-of-way for a second street accessing the City from the east.



20. The City should consider undertaking traffic studies, discussions with Washington State Department of Transportation, local stakeholders, and businesses to investigate the potential impacts and benefits of returning the First and Front Street corridor to two-way traffic on both streets.
21. The City should encourage public and private transportation providers to provide greater access and opportunities to residents, including Sunday and holiday service.
22. The City should support reduced speed limits on portions of Highway 101 through the City.
23. The City should include the development of Race Street intersections with Front and First Streets as architecturally significant National Park gateway in its plans for improvements to the Race Street corridor.
24. The City should assist public transit providers to develop transportation options for local residents and tourists that showcase regional attractions without cars.

Objectives

1. Secondary and primary arterials will be designed with an appropriate balance for moving through traffic and providing local access to uses that front on these arterials. In commercially zoned areas, policies for consolidating access and providing for joint access and maintenance of driveways would be considered.
2. The City will develop a variety of funding techniques available for new development projects to provide mitigation for transportation impacts resulting from new development or redevelopment. The funding techniques could include but are not limited to developer provided right-of-way and partial improvement to the street along the frontage of their property, establishing a road development or trip end fee, use of latecomers agreements, waivers of protest to the formation of Local Improvement Districts and bonding. The intent would be to match the technique to the development circumstance in order for the City to fund the transportation improvements that ensure concurrency. Whichever approaches are taken, they must be equitable and proportional to the level of impact.
3. The City will develop road improvement design standards, which will include accommodation for pedestrians and non-motorized transportation. Pedestrian facilities design will be appropriate for the safety, volume and character of non-motorized/pedestrian traffic in each neighborhood or district.
4. The City will phase the implementation of the alternate local cross-town route and cross-town truck route in a west to east progression.
5. The City will prepare a study to evaluate options for easterly access across Whites and Ennis Creeks in the vicinity of Golf Course Road.
6. The City will consider a variety of traffic management alternatives to increase the existing street system capacity and implement appropriate options as feasible. Such alternatives may include:
 - a. Taking into account nonmotorized use;



- b. Remove parking at controlled intersections to provide auxiliary turn lanes to increase capacity;
 - c. Remove parking during selected periods of the day (i.e., noon and PM peak hour) to create additional through lane capacity;
 - d. Modify signal timing to respond to seasonal and/or daily peak traffic periods to favor major flows and expand the number of signals that are coordinated as part of a system, while assuring enough time for a handicapped citizen to cross when a signal button is pushed.
7. The City will coordinate with the County, RTPO, and State and Federal agencies in the study of a possible future US 101 corridor including the Heart of the Hills Parkway and Coastal Corridor concepts. East of Race Street, the alternate local cross-town route (along Lauridsen Boulevard) will not be considered as a future US 101 corridor.
8. The City will plan and implement street improvements designed to provide multi-modal access to and improve circulation around the south side of the airport along Edgewood Drive, Lauridsen Boulevard, Airport Road adjacent to the west side of the airport, and along Milwaukee Drive to Lower Elwha Road.
9. The City will update the adopted Nonmotorized Transportation Map from time to time and include specific bicycle routes on the map or on a separate map.
10. The City will update transportation policies to refocus circulation patterns, street improvements, essential state highways, truck routing, and traffic controls throughout the City.
11. The City will facilitate the implementation of City-adopted transportation plans.
12. The City will seek funding to evaluate and improve West 18th Street, including the addition of nonmotorized facilities.
13. Selection of new or changed routes from any roads designated as being of "statewide significance" will be evaluated against the following criteria located in the 1999 U. S. 101 Port Angeles Alternative Study:
 - Mobility
 - Connectivity
 - Safety
 - Economic Feasibility
 - Environmental Impacts
 - Social Impacts
 - Business Impacts
 - Public Acceptance



VII. UTILITIES AND PUBLIC SERVICES ELEMENT

General Comments

The Utilities and Public Services Element identifies and addresses the various services that make a community a safe and desirable place to live. It also establishes policies that define which services are the responsibility of the City to provide and which should be provided by the community as a whole.

Goals, Policies, and Objectives

Goal

- A. 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 development pattern of the City.

Policies

1. Public facilities should be equitably distributed across the City's planning areas including designated Urban Growth Areas.
2. Public facilities should contain provisions for citizens with disabilities and should be constructed according to accepted standards.
3. Social services providing home care should be located in residential neighborhoods in a manner that maintains the character of the immediate neighborhood.
4. Comprehensive service and facility plans should be consistent with the City's Comprehensive Plan and should be implemented through applicable land use approvals and construction permits.
5. The City should plan and seek funding to expand its existing infrastructure, to ensure economic vitality, and to improve the quality of life in Port Angeles.
6. The City should encourage age-appropriate services for all-age groups, including youth and seniors.
7. The City should promote access to information by investing in a high quality ICT (Information Communication Technology).
8. The City should incorporate tribal issues and interests into city projects.

Goal

- B. To support services and facilities through different levels of participation in cooperation with other public or private agencies.

Policies

1. The City should be the "primary responsible agency" and should take the lead in cooperation with other governmental entities to provide:
 - Utility and emergency services (water, sewer, electrical, stormwater, police, fire and emergency medical response services)
 - Transportation infrastructure, including trails and sidewalks and
 - Parks and recreation
2. The City should participate as a "financial partner" to support essential programs and services including:
 - Youth recreation programs and facilities
 - Library facilities



- Senior programs
 - Low and moderate income housing programs
 - Facilities for senior programs
 - Utility assistance for low income households and
 - Social and public health services.
3. As a "supporter," the City should promote and cooperate in providing programs and services including:
- Library programs such as information and assistance
 - Affordable housing information and referral
 - Economic and business development services
 - Tourism information and services
 - Schools and community learning
 - Fine arts
 - Community recreation
 - Public and private youth, family and senior services
 - Telecommunications and
 - Crime prevention programs.
 - Health Care programs
4. The City should develop and use public facilities cooperatively, in the promotion of social and community services.

Goal

- C. To provide safe, clean, usable, and attractive public facilities which enhance the cultural, educational, economic, recreational, and environmental attributes of the City.

Policies

1. Industrial diversification should be supported by the development of urban services.
2. The City should place a high priority on installing new utility lines underground and in the existing rights-of-way to increase safety and reliability, and to improve neighborhood appearance.
3. Where possible, new utilities should be located in alleys or in the existing right-of-way.
4. Major parks and large open spaces should provide for a variety of outdoor activities and be located to take advantage of natural processes (such as wetlands and tidal actions) and unusual landscape features (such as cliffs and bluffs), and to integrate stormwater facilities into the natural landscape where feasible (such as LID techniques and BMPs and stormwater treatment wetlands).
5. The City's park and recreation system should provide a variety of settings and activities suitable to people of all ages, characteristics, and interests.
6. The City should place special emphasis on the recreational needs of the youth of the community, including bicycle safety education programs.
7. The City should encourage more active involvement and communication between education (professional and student), business, community, art and cultural communities to help integrate key people into the startup community.



Objectives

1. When development warrants, the City will coordinate the efforts for a new fire station to the west with the Port of Port Angeles at Fairchild International Airport and a new station to the east with Fire District No. 2.
2. The City will develop and implement maintenance programs for all public facilities under its jurisdiction.

Goal

- D. To provide utility services in an efficient and cost-effective manner.

Policies

1. Urban services should be designed for the maximum planned density and/or land use intensity of a given area as designated on the Comprehensive Plan Land Use Map.
2. The City should provide urban services only in areas that are logical extensions of areas, which are currently served by such services or needed to implement a specific goal or policy of the Comprehensive Plan.
3. The City, at its sole discretion, should extend urban services outside the City without annexation.
4. The City should promote and encourage energy conservation, renewable energy, distributed energy generation, improved distribution efficiencies, and recycling efforts throughout the community. The City's own practices should serve as a model.
5. The City should promote the joint use of transportation rights-of-way and utility corridors for all forms of transportation, including nonmotorized.
6. The City should promote coordination between road construction and utility installation.
7. The City should allow for simultaneous processing of all development permits.
8. The City should promote coordination among adjacent planning jurisdictions to encourage consistency between each jurisdiction's utility plans and standards and the development of a coordinated process for siting utility facilities.
9. The City should identify lands useful for public purposes, such as utility corridors, landfills, sewage treatment facilities, transportation (including nonmotorized), recreation, schools, and other public uses.
10. Planning for utility services should be consistent with the goals and policies of the Capital Facilities Element.
11. New development should be served by sanitary sewers.
12. The City, at its sole discretion, should provide sanitary sewer service to urban development, outlying areas within the City limits and in the urban growth areas, to selected areas of intensive rural development to protect basic public health and safety, and the environment, and to the area of the Lower Elwha Valley where the Clallam County Board of Health determines that the rise in the water table from dam removal will cause on-site septic systems to contaminate the aquifer and create an unacceptable risk of human disease, while prohibiting service to other areas of



rural development. No provision of sanitary sewer service to a rural area shall permit urban development in that or another rural area.

13. Urban services provided in areas outside the City limits and not designated for future rural land uses on the Comprehensive Land Use Map should be sized for potential urban growth in those areas, while generally prohibiting service to areas of rural development.
14. The City should consider the policies adopted in the Water Resources Inventory Area 18 Watershed Management Plan, including the provision of water supply to the urban areas in and between the Elwha River and Morse Creek drainage basins.
15. The City should provide infrastructure to all industrial lands to encourage development.
16. As water and sewer is extended into Urban Growth Areas (UGAs), those hooking up should be required to sign a no-protest annexation agreement.
17. The City should extend sewer into the eastern Urban Growth Area (UGA).
18. The City should extend sewer into the southwestern Urban Growth Area (UGA).
19. The City should encourage the use of renewable energy in both the private and public sectors, providing all reasonable support and advocacy at the State level for regulations and incentives that encourage such installations.

Objectives

1. The City will develop a phased plan for the extension of urban services.
2. The City will institute a program to promote water and energy conservation techniques in new development.
3. Recycling programs will be used to reduce solid waste disposal.

Goal

- E. To provide quality customer service with honesty, integrity and flexibility.

Policies

1. The City should promote efforts to improve the efficiency and effectiveness of customer service.
2. The City should promote responsibility and fiscal accountability in the provision of customer service.
3. The City should encourage a positive attitude, trust, initiative, and compassion with a high standard of professionalism and open communication among its employees and with the public.
4. The City should respect diversity and foster a safe environment.
5. The City should work in partnership with the community as stewards of the area's unique environment and quality of life.

Objectives

1. The City will implement a customer commitment program that promotes internal and external customer service.



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2. The customer commitment program will include the development of a citywide statement of values, which should be incorporated in all aspects of customer service.



VIII. HOUSING ELEMENT

General Comments

The City recognizes the extreme importance of available clean, safe, and affordable housing in the community. A housing needs assessment, titled *Measuring Housing Needs: A Data Toolkit for Clallam County*, was prepared in 2006 for the Housing Authority of Clallam County. This report is included with the Comprehensive Plan as Appendix C.

The results of this study and public comments greatly influenced the development of the following goals and policies, which strive to improve the quality, affordability, and availability of housing for all segments of the community.

Goals, Policies, and Objectives

Goal

- A. To improve the variety, quality, availability, and attainability of housing opportunities in the City of Port Angeles.

Policies

1. The City should expand the residential land use options in the Zoning Code by classifying residential zones by allowed density rather than by housing types.
2. Residential uses should be allowed in all non-industrial zones. In situations where a limited work/live environment is found to be compatible with an underlying industrial zoning, limited work/live environments may be deemed suitable when the living space is subordinate in nature to the industrial use component and the integrity and intent of the industrial zone is maintained.
3. The retention and development of safe and attractive mobile home parks should be encouraged.
4. The City should develop a program to improve substandard housing in the City of Port Angeles.
5. The City should plan for sufficient urban services to support future housing in a variety of allowable densities.
6. Accessory residential units should be allowed in single family residential zones, upon approval of a Conditional Use Permit.
7. The City should promote acceptance of low and moderate income housing through public information programs.
8. The City should consider the effect of impact fees on the affordability of housing prior to establishing such impact fees.
9. In State and Federal publicly assisted housing under current contracts, the City should require property owners who demolish, substantially rehabilitate, change the use of residential property, or remove use restrictions developments to provide relocation assistance to those tenants displaced as provided for in sections 49 and 50 of the Growth Management Act (See RCW 59.18.440 and .450).



10. The City and the County should work together to increase densities in some areas of the sparsely developed southwestern UGA along Lauridsen Boulevard from low density to medium density, consistent with the recently developed airport safety zones and FAA use recommendations.
11. The City should investigate the appropriate siting of additional land to be designated medium density and high density.
12. The City should strive to achieve an appropriate balance between attainable market-rate housing and affordable housing and ensure that affordable housing is provided in a way that contributes to the physical appearance and economic and social health of the neighborhoods and the City.
13. The City should encourage the use of Green Building techniques for new developments and support Green Built certification for new developments.
14. The City should encourage the use of Low Impact Development stormwater management techniques (such as vegetated roofs, permeable pavement, and bioretention) for all new developments.
15. The City should allow for mixed-use opportunities in neighborhoods, including commercial development and mix of housing densities.
16. The City should identify opportunities for housing revitalization in targeted areas including the downtown core.
17. The City should promote and increase the number of downtown residential living units.
18. The City should develop strategies to combat homelessness and housing insecurity amongst residents.
19. The City should develop and implement tools to support a range of housing types including affordable housing options.

Objectives

1. The City will work to eliminate barriers that prevent the use of innovative green building techniques while maintaining safety and aesthetic quality in the building process.
2. The City will continue to work to eliminate barriers that prevent the use of low impact development techniques and BMPs, such as vegetated roofs, permeable pavement, and bioretention , while maintain safety and aesthetic quality in the building process.

Goal

- B. To participate with Clallam County and other entities in programs to increase the availability and affordability of public assisted housing and rental units as well as other affordable housing opportunities.

Policies

1. The City should participate in a county-wide housing task force comprised of representatives from government, financial institutions, business, construction, real estate, non-profit housing entities, and other citizens interested in housing issues. A



major goal of the task force should be coordinating efforts to provide affordable housing, encouraging rapid review of low and moderate income housing projects throughout the County, and promoting public education and awareness regarding the need for and nature of affordable housing.

2. The City should cooperate with the county-wide housing task force and other agencies in assembling packages of publicly owned land, which could be used for low and moderate income housing and for shelter or transitional housing.
3. The City, in cooperation with the County, should promote innovative housing techniques and should explore creative regulatory programs for the purpose of creating and preserving existing affordable housing opportunities. Such programs may include the transfer of development rights into high density receiving zones, density bonuses for inclusion of affordable housing in residential development projects, floor area ratios, regulation allowances for guaranteed low and moderate income housing projects, revisions to the existing planned residential developments regulations, increased height limits in medium and high density zones, and high density detached single family residential developments, such as cottage colonies or housing clusters.
4. The City should invite the Peninsula Housing Authority to participate in a variety of affordable housing opportunities.
5. The City should seek representation on the Peninsula Housing Authority and non-profit housing organizations.
6. Adequate low and moderate income housing opportunities should be provided within the Port Angeles Planning Area.
7. A scattered site housing construction program should be promoted.
8. The City should support affordable housing by developing utility cost savings programs.
9. The City should help support the provision of transitional and temporary housing for the homeless and/or displaced families.
10. The City should designate specific medium and high density zones where increased building height limitations could be increased.

Objectives

1. The City will work with the housing task force to determine that the supply of land will be sufficient for all housing needs including but not limited to government-assisted housing, housing for low-income families, manufactured housing, multifamily housing, group homes, foster-care facilities, and single-room occupancies (SRO).
2. The City will reference the Peninsula Housing Needs Study and subsequent analyses that update the information in evaluating the type, amount, and location of needed housing.



3. The City will identify appropriate areas of the city to convert low density residential designated areas into medium and high density designated areas to increase the supply of areas zoned for higher density.
4. The City will consider revising height limitations in all commercial, medium, and high density zones to accommodate increased residential densities and housing attainability.



IX. CONSERVATION ELEMENT

General Comments

The Conservation Element establishes the importance of quality of life to the people of Port Angeles. A clean, healthy, and diverse natural environment along with a variety of historical and cultural amenities are critical elements of a high quality community.

Goals, Policies, and Objectives

Goal

- A. To create and maintain a community with a high quality of life where the land is used in a manner that is compatible with the area's unique physical features, its natural, historical, archaeological, and cultural amenities, and the overall environment.

Policies

1. The City should require all development, including the location and design of all structures and open space areas, to be compatible with the unique physical features and natural amenities of the land and complement the environment in which it is placed, while recognizing the rights of private ownership.
2. The City should promote compatibility between the land and its use by regulating the intensity of the land use.
3. The City should adopt development criteria, which promote the use of innovative design techniques to provide for the use of the land in a manner compatible with any unique physical features or valuable natural, historical, and/or cultural amenities.
4. The City should promote and highlight Port Angeles' plentiful natural beauty, amenities and cultural history.

Objective

1. The City will encourage streetscape improvements to beautify entryway corridors. Incentives may be developed to encourage private property participation in such beautification projects.
2. The City will maintain an Archaeological Database that shall include a waterfront archaeological overlay, an archaeological and historical site database, and an archaeological predictive model that prescribes areas of high, medium, and low buried archaeological site potential for property within the City limits.

Goal

- B. To protect and enhance the area's unique physical features, its natural, historical, archaeological, and cultural amenities, and the overall environment.

Policies

1. The City should further the public interest by protecting and enhancing the area's unique physical features, valuable natural historical, archaeological, and cultural amenities, and the overall environment, while recognizing the rights of private ownership.



2. The City should maintain and preserve its unique physical features and natural amenities, such as creeks, streams, lakes, ponds, wetlands, ravines, bluffs, shorelines, and fish and wildlife habitats.
3. The City should protect and enhance the characteristics of its unique residential neighborhoods.
4. Building density should decrease as natural constraints increase.
5. The City should establish minimum standards for development of properties, which contain or adjoin critical areas for the purpose of protecting such areas and enhancing their natural functions.
6. The City should regulate site design, preparation, and development to avoid or minimize damage to wetlands and other environmentally sensitive areas.
7. Recognizing the functions and values of wetlands, the City should strive to achieve no net loss of wetlands.
8. The City should preserve uniquely featured lands, which still exist in their natural states and which are notable for their aesthetic, scenic, historic, or ecological features and should prohibit any private or public development, which would destroy such qualities, or are subject to damage from climatic change, while recognizing the rights of private ownership.
9. The City should promote public access to the shoreline, while preserving a healthy shoreline environment.
10. The City should enhance and preserve the quality of its air and water as two of its unique physical features.
11. The City should protect its air and water quality by minimizing potential new pollution from new and existing sources including climatic change impacts.
12. The City should develop and implement a plan to improve water quality, which includes measures to reduce and minimize stormwater pollutants and combined sewer overflow pollutant discharges.
13. The City should use regionally consistent requirements for industrial and commercial sewer discharge pretreatment and require new indirect dischargers to locate where appropriate sewer service can be made available.
14. The City should maintain and enhance the quality of water resources through the regulation of clearing, grading, dumping, discharging, and draining and the provision of flood and erosion control measures and regulations to protect wetlands and other environmentally sensitive areas.
15. Through the retention of existing vegetation, the City should protect water quality and prevent erosion.
16. The City should designate open space areas to preserve major or unique physical features, to serve as natural greenbelts and wildlife corridors, and to establish an urban edge to the PAUGA.
17. The City should identify and preserve significant public scenic view corridors.



18. The City should encourage identification, preservation, and restoration of sites and structures that have historical or cultural significance.
19. The City should give precedence to long-term environmental impacts and benefits over short-term environmental impacts and benefits.
20. The City should promote and utilize environment enhancing conservation practices. Those practices may include waste reduction, use of energy efficient and conserving materials, and energy conservation techniques and should also encourage the development and use of alternative forms of energy and transportation.
21. The City should coordinate its environmental regulations with County, State, and Federal regulations to simplify the permitting process and to reduce associated costs to the land user.
22. The City should reference the 2004 *Washington State Citations of Recommended Sources of Best Available Science for Designating and Protecting Critical Areas* (as currently adopted) and other research identified as more locally appropriate and applicable (when it is available) as Best Available Science in the Critical Areas Ordinance.
23. The City should avoid adverse impacts to archaeological sites by following and requiring best management practices for archaeological preservation.
24. The City should publicly recognize the many values provided by trees in an urban setting, identify opportunities to plant trees, and establish a tree management plan.
25. The city should implement an urban tree management program intended to retain and/or restore the overall tree canopy in the city by using plant materials as a unifying element and tool to protect the health, safety and welfare of the public, using the environmental services provided by trees to mitigate the negative effects of impervious surfaces and vehicular traffic such as increased temperatures, airborne particulates, carbon dioxide, noise, and stormwater runoff.
26. Trees should be planted along residential streets, in parking lots, and in other areas as opportunities arise. Trees should be retained whenever possible and maintained using Best Management Practices as appropriate for each tree type.
27. The City should seek strategies and technologies which reduce greenhouse gas (GHG) emissions by city facilities and operations.
28. The City should promote the use of alternative energy, energy conservation technology, and smart energy grid.
29. The City should review all new development for impacts on climate change and adaptation to sea level rise.

Objectives

1. The City will work closely with State agencies on further development of regulations and coordinated enforcement of air quality standards.
2. The City will adopt and enforce adequate regulations designed to maintain and enhance water quality.



3. The City will identify and implement site-specific requirements for individual development proposals to mitigate any negative impacts created by the development, particularly to an area identified as an environmentally sensitive area, particularly to areas identified as environmentally sensitive, and to rural residential uses outside of the City limits.
4. The City will adopt and enforce regulations, which require all new development to provide appropriate dispersion, infiltration, and/or stormwater retention/detention facilities necessary to protect water quality and provide flood protection and flow control.
5. The City will complete an inventory and identification of areas identified as Habitats of Local Importance to assure that important habitat connections are not severed.
6. The City will complete an inventory and identification of wetlands.
7. The City will complete an inventory and identification of lands that could be subject to impacts from climate change.
8. The City will encourage clustering of residential development where necessary to protect environmentally sensitive areas, or to avoid hazardous areas, including those subject to climate change impacts or to preserve open space areas.
9. The City will develop a stormwater management plan consistent with the NPDES Phase II permit and will update the plan on a regular basis.
10. The City will develop guidelines to evaluate new development that occurs near scenic resources.
11. The City will establish regulations that allow the preservation of identified historically significant buildings/sites.
12. The City will participate in various watershed planning and salmon recovery efforts. The City will incorporate appropriate measures for the protection of habitat for listed or threatened species under the Federal Endangered Species Act when providing public services and administering land use and development regulations.
13. The City will incorporate the North Olympic Resource Conservation & Development Report, *Climate Change Preparedness Plan for the North Olympic Peninsula*, September 2015, as best available science to its development regulations.
14. The City will add the definitions of Best Available Science and Best Management Practices to the Critical Areas Ordinances.
15. The City will incorporate the 1995 Sheldon Wetland Report prepared by the City, with the inclusion of site specific wetland delineations as addendums into its Critical Areas Ordinance as Best Available Science.
16. The City will incorporate the 2001 Pentec Environmental Shoreline Habitat Assessment prepared by the City, with the inclusion of site specific shoreline



habitat assessments as addendums into its Critical Areas Ordinance as Best Available Science.

17. City staff will use the Archaeological Database to implement archaeological conditions for permits with ground disturbing components based upon the corresponding archaeological probability rating, the nearness of previously recorded archaeological or historical sites, and presence of the project within or outside of the archaeological overlay.
18. The City will create a tree management program that will meet the requirements to maintain the *'Tree City USA'* status for the city of Port Angeles.
19. The City will promote tree conservation by establishing a desired minimum city-wide tree density requirement. Tree density requirements will be met primarily through the conservation of existing trees, replacing trees that are removed and requiring tree to be include in development projects.
20. The City will create and follow an urban forest management plan in order to establish a healthy and sustainable urban forest.

Goal

- C. To promote community awareness of the importance of environmental, historical and cultural amenities, the responsible use of such resources, and the use of the land with minimal impact on its unique physical features, its natural, historical and cultural amenities, and the overall environment.

Policies

1. The City should inform the public concerning the long-term benefits of protecting and improving the quality of the region's air, land, and water.

Goal

- D. To preserve and enhance the City's shoreline, its natural landscape, and flora and fauna and to minimize conflicts with present and planned uses in a manner consistent with the State Shoreline Management Act and the City's Shoreline Master Program.

Policies

1. Shoreline areas should be preserved for future generations by restricting or prohibiting development that would interfere with the shoreline ecology or irretrievably damage shoreline resources.
2. Where possible, riparian vegetation in shoreline areas and on tributary streams, which affect shoreline resources, should be maintained and restored.
3. Where possible, techniques to rehabilitate degraded shorelines for the purpose of shoreline stabilization and habitat enhancement should be employed.
4. Where possible, aquatic habitats including shellfish habitat, and important marine vegetation should be preserved and protected.
5. Development patterns and densities on lands adjacent to shorelines should be compatible with shoreline uses and resources and reinforce the policies of the Shoreline Management Act and the City's Shoreline Master Program.



6. Where possible, urban service facilities located in shoreline areas should utilize common utility corridors.
7. Adequate shoreline area for water-oriented commercial and industrial development should be designated based on the Land Use Element.
8. Shoreline uses and activities should be located to avoid environmentally sensitive and ecologically valuable areas and to insure the preservation and protection of shoreline natural areas and resources.
9. Where possible, utility facilities and rights-of-way should be located outside of the shoreline area.
10. Shoreline ecology and resources should be protected when locating utilities in shoreline areas.

Objective

1. The City will update its Shoreline Master Program consistent with the Comprehensive Plan, the Shoreline Management Act, and the Growth Management Act by 2024.
2. City Staff will consult the Archaeological Database for all Shoreline Permittable activities and use the information housed in the database to create appropriate conditions or mitigations to identify, protect, and preserve archaeological sites and culturally sensitive areas.



X. CAPITAL FACILITIES ELEMENT

General Comments

The Capital Facilities Element consists of two parts. The first part is the listing of goals and policies regarding the City's provision of urban services and its planning of capital improvements. The second part is the Annual Capital Facilities Plan which is adopted separately from the Comprehensive Plan but is included as part of the Plan as an attachment.

The Comprehensive Plan defines urban services in its definition section, which includes a listing of the following services and facilities, which should be available in an urban environment:

- Surface transportation facilities;
- Water facilities;
- Sewer facilities;
- Stormwater facilities;
- Solid waste facilities;
- Parks and recreational facilities;
- Emergency services (police, fire and medical response);
- Public service buildings;
- Public schools facilities; and
- Regional facilities (libraries, corrections, and mass transit).

The following goals and policies provide guidance on how these services and facilities should be provided. This includes the establishment of minimum levels of service standards for each service. The policies also call for the development of individual comprehensive service and facility plans which take an in-depth look at the current status of each service and the projected future demand for each service and which include a financial feasibility analysis on the costs of providing each service.

The Capital Facilities Plan is a six-year plan, which establishes how, where, and when the City will develop the facilities necessary to provide its various services.

Goals, Policies, and Objectives

Goal

- A. To provide and maintain safe and financially feasible urban services and capital facilities at or above stated levels of service to all City residents and the general public.

Policies

1. The Comprehensive Plan should establish general level of service standards for each urban utility and service. Such standards should be used to determine the impacts of development.
2. The City should, at a minimum, ensure the continuation of established level of service standards for all urban utilities and services to the extent and in the manner provided herein.
3. The City should develop individual comprehensive service and facility plans for the following capital facilities and/or services:
 - Transportation, including streets, and nonmotorized (bikeways and pedestrian walkways),



- Water system,
 - Sanitary sewer system,
 - Electrical system,
 - Parks and recreation services, and
 - Emergency services (police, fire, and medical response).
4. The City should co-operate with the appropriate private and/or public agencies to develop individual comprehensive service and facility plans for each of the following utilities and/or services:
 - Telecommunications,
 - Schools,
 - Transportation (air, marine and public transit), and
 - Solid waste collection and disposal.
 5. Comprehensive service and facility plans should be consistent with the general level of service standards established in the Comprehensive Plan and should establish detailed level of service standards which, at a minimum, meet all local, state and federal health and safety requirements. Each plan may also establish desired level of service standards and should include an inventory of current facilities, measurements of current and future service capacities, the determination of future service and facility improvements necessary to serve the twenty-year vision of the Comprehensive Plan Land Use Map, and a financial feasibility analysis.
 6. The comprehensive service and facility plan for streets and nonmotorized facilities (bikeways, trails, and pedestrian walkways) should include specific actions and requirements for bringing into compliance any street facilities that fall below the required level of service, including demand management strategies which encourage reduced reliance on single occupant vehicle trips and encourage use of alternate modes of transportation such as the bicycles, walkways, and transit riding with incentive programs for and from local businesses.
 7. The comprehensive service and facilities plan for streets, bikeways, and pedestrian walkways should include a future US 101 corridor to meet long-term local and regional transportation needs.
 8. Each comprehensive service and facility plan should be consistent with the Comprehensive Plan, the County-Wide Planning Policy, and the State Growth Management Act.
 9. The City should require concurrency at the time of development for the following utilities and services:
 - Paved streets, curbs, and sidewalks
 - Water service,
 - Sanitary sewer service,
 - Electrical service,
 - Solid waste collection,
 - Stormwater management,
 - Telecommunications services, and
 - Emergency services (police, fire and emergency medical response).



10. The City should require the following services and facilities within six years from the time of development:
 - Parks and recreation services and facilities, and
 - Transit system.
11. The City should adopt an annual Capital Facilities Plan consistent with the Comprehensive Plan and State Growth Management Act. The Capital Facilities Plan's financing schedule may be corrected, updated, or modified without being considered as an amendment to the Comprehensive Plan, following a public hearing before the City Council.
12. If projected funding fails for a capital project listed as funded in the City's approved Capital Facilities Plan and development permits have been issued reliant upon that capital project for concurrency, the City should take necessary actions to minimize further degradation of the impacted service or facility. This may include one or any combination of the following actions:
 - Reduce the level of service standard
 - Increase funding by increasing revenues
 - Reduce demand by revising the Comprehensive Plan Land Use Map and/or Zoning Map
 - Reduce demand by reducing consumption (i.e., conservation).
13. Where existing capital facilities are deficient, the City should remove obstacles to economic development in an area with City participation through a New Improvements for Community Enhancement (N.I.C.E.) Neighborhoods Program.
14. The City should adopt a Comprehensive Parks and Recreation Plan consistent with the Comprehensive Plan and the Growth Management Act as an Element of the Comprehensive Plan.
15. The City should require sidewalks be included in all development and redevelopment proposals where sidewalks do not exist at the time of application for development. Permeable materials are preferred for sidewalk construction where feasible.
16. The City should develop and implement an Urban Forestry Program to properly manage street trees, park trees, and forested environmentally sensitive areas located within the City.
17. The City should create a unified, coherent design element for signage, street lighting, traffic control devices, and similar structures to be used throughout the City and specifically in the downtown area as a method for improved way finding and place identification for visitors and residents alike.
18. The City should consider climatic change impacts and adaptation strategies in planning and designing capital facilities.
19. The City should improve aesthetics of the community by removing abandoned infrastructure.



Objectives

1. The Capital Facilities Plan will be updated on an annual basis and should implement the goals, policies, and objectives of the Comprehensive Plan.
2. The City will develop a schedule for preparation and adoption of each required comprehensive service and facilities plan.
3. The City will study the development of a seasonal or permanent ice skating rink facility.
4. The City will establish a review process with a more comprehensive analysis of Capital Facilities Plan projects to address new mandates for environmental protection such as the Endangered Species Act, climate change adaption, extension of urban services into the Urban Growth Area and new residential areas within the City, and preservation and maintenance of service levels impacted by changes such as the Elwha Dam removal, landfill closure, and aging facilities.
5. The City will revise its Urban Services and Guidelines manual to include sidewalks on both sides of all streets where sidewalks do not exist as a standard requirement of all development and redevelopment projects.
6. The City will require the use of permeable paving materials for all sidewalks where feasible.
7. The City will prepare a climate action plan in order to comply with RCW 70.235.070.

Goal

- B. To provide urban streets and utilities at minimum levels of service for all city residents and the general public.

Policies

1. All arterial streets shall function at an average daily Level of Service (LOS) of D or better.
2. Development on all arterial streets and any other streets identified as school walking routes should include pedestrian sidewalks on both sides of the street.
3. The City shall not approve any development that is not served with water service at or greater than the following level of service standards at the time of development:
 - Single family units: 2 gallons per minute @ 30 psi
 - (fire - 1000 gallons per minute @ 20 psi for single family residential >3,600 square feet.)
 - (Fire - 500 gallons per minute @ 20 psi for single family residential <3,600 square feet.)
 - Multi-family units: 1 gallon per minute @ 30 psi
 - (fire per Uniform Fire Code)
 - Commercial: per Uniform Fire Code
 - Industrial: per Uniform Fire Code



4. The City shall not approve any development that is not served with sewer service at or greater than a level of service standard of 300 gallons per day per person at the time of development.
5. The City shall not approve any development that is not served with electrical service at or greater than a level of service standard of 118 volts (120 volt base) at the time of development.
6. The City should not approve any development that increases a site's post-development stormwater run-off beyond that allowed by the Department of Ecology Stormwater Management Manual for Western Washington (SWMMWW 2014) as adopted by the City.
7. The City should not approve any development that cannot be served with telecommunications service at or greater than the following level of service standards at the time of development:

Telephone

- Residential: 1 service per unit
- Commercial: 1 service per business
- Industrial: 1 service per business

Cable Television

- Residential: 1 service per unit
- Commercial: 0 service per business
- Industrial: 0 service per business

11. Highways of Statewide Significance (HSS) should function at Level of Service (LOS) D or better, consistent with the Regional Transportation Plan (RTP).
12. The City should develop a Capital Facilities Plan list, with public input, for prioritizing pedestrian walkway needs.
13. The City should seek funding to increase the provision of sidewalks in already developed areas where sidewalks do not occur.

Objective

1. The City will update design standards for street, water, sewer, and stormwater facilities from time to time.

Goal

- C. To provide urban services at minimum levels of service for all city residents and the general public.

Policies

1. The Port Angeles School District should develop a capital facilities plan, which the City will consider for inclusion in the Comprehensive Plan. The capital facilities plan should contain at least a six-year plan for public financing of such facilities as may be necessary to provide adequate public schools at or greater than the following level of service standards in order to meet anticipated increases in student enrollment, which may be anticipated based on the School District's projected



enrollment figures and residential growth as provided for in the Land Use Element of the Comprehensive Plan:

- High School: 125 square feet of permanent, appropriate educational space per student,
- Middle School: 104 square feet of permanent, appropriate educational space per student, and
- Elementary School: 100 square feet of permanent, appropriate educational space per student.

If capacity is inadequate to house students at the established level of service standards (LOS) and adequate school funding is not available, then the demand for new facilities will be reduced (e.g. through year round use of schools or by matching grade and enrollment to facility capacities) or the level of service standards will be reduced to keep both schools and housing development affordable to the majority of Port Angeles School District residents. Imposition of Growth Management Act impact fees on or denial of new development will not be used as a measure to prevent further degradation of school services, unless the reduced level of service standards are deemed unacceptable to Port Angeles School District No. 121, Clallam County, and the City of Port Angeles.

2. The City should not approve any development that will not be served with adequate transit service as determined in the comprehensive service and facilities plan for transportation within six years from the time of development.
3. The City should not approve any development that will not be served at or greater than a citywide level of service standard of 10 acres of parks per 1,000 population within six years from the time of development.
4. The City should not approve any development that will not be served at or less than the following level of service standards at the time of development.
 - Police: 677 persons per one officer
 - Fire: 4 minute response time or residential sprinkler system installation
5. The City should not approve any development that will not be served with solid waste collection service at or less than a city-wide level of service standard of 400 pick-up accounts per 1000 population within six years from the time of development.
6. The City should participate with the County in the development, maintenance, and implementation of a regional solid waste plan, which addresses collection, disposal, and recycling of solid waste.
7. The City should consider the cumulative effect of development on the City's need for adequate public service buildings.



8. The City should consider projected climatic change impacts and adaptation strategies to determine whether adequate services can be provided into the future, prior to approving any development.
9. The City should prioritize and support public education and Peninsula College, including initiatives for rebuilding schools.

Goal

- D. To participate with the County, State, and Federal governments as well as other public agencies to provide adequate regional public services.

Policies

3. The City should cooperate with the County and the community's health care providers to ensure quality health care facilities within the City that serve the region as a whole.
4. The City should cooperate with the County in planning regional library facilities within the City.
5. The City should cooperate with the County in planning for adequate correctional facilities.
6. Essential public facilities of a county-wide or statewide nature must meet existing state laws and regulations requiring specific siting and permit requirements consistent with the City's Comprehensive Plan.

Goal

- E. To reduce the amount of impervious surface created by new developments and thereby reduce stormwater management costs and environmental impacts to the City and its natural resources, reduce development costs to private property owners, and provide safe and more attractive streets through traffic calming, safe pedestrian amenities, and improved street edge landscaping.

Policy

1. The City should further revise its existing urban development standards in low density residential areas to include low impact development standards for street, pedestrian and nonmotorized access, sewer, and fire suppression to more nearly reflect the needs of suburban densities and conditions in outlying undeveloped areas of the City and PAUGA.
2. The City should invest in Green Infrastructure, Low Impact Development (LID), and similar technologies to maintain and enhance environmental quality.



XI. ECONOMIC DEVELOPMENT ELEMENT

General Comments

The intent of the Economic Development Element is to benefit the community through the diversification and strengthening of the local economy. The following policies address a variety of subjects, some stand on their own, while others require coordination with other elements of the Comprehensive Plan.

Goals, Policies, and Objectives

Goal

- A. To create and maintain a balanced and stable local economy with full employment and emphasis on strengthening the community's traditional natural resource related industries as well as diversifying the overall economic base.

Policies

The City of Port Angeles should remain a major economic center on the North Olympic Peninsula, meeting regional and local needs.

1. The City should promote the retention of employment in all sectors of the local economy.
2. The City should promote long-term economic stability by encouraging businesses and industries to invest in modernization and environmentally sound technology.
3. The City should promote the diversification of the community's economic base by encouraging the location, retention, and expansion of local businesses.
4. The City should promote the location, retention, and expansion of small and medium sized businesses, which access their markets and suppliers through telecommunications and available shipping and transit.
5. The City should promote in the traditional downtown retail, dining, arts, culture, and entertainment oriented activities that are attractive to both tourists and local residents.
6. The City should develop sufficient utilities, improve traffic circulation, and identify environmental constraints in the airport industrial area in cooperation with other governmental agencies.
7. The City should encourage training and educational opportunities, which strengthen and increase the variety of skills available in the work force.
8. The City should promote the motivation and availability of the community's work force as a major economic development strength.
9. The City should encourage inter-jurisdictional discussion and cooperation with other governmental agencies to foster the economic development of the region.
10. The City should work with other community organizations in developing an effective business assistance program directed toward the commercial business owner.



11. The City should recognize the economic importance to the community in the redevelopment of the Rayonier Mill site and take an active role in assisting property owners to clean up the site to attract the interest of many potential investors.
12. The City should pursue a management agreement with Clallam County as a first step to a partnership for developing the UGA.
13. The City should support continued development of a strong marine related industry in the Port Angeles Harbor.
14. The City should promote the sustainability of the existing art and culture industry encouraging community participation and involvement. Enhancement of the creative economy contributes to the overall health of the community.
15. The City should encourage businesses with low carbon footprints,
16. The City should consider projected climatic change impacts and adaptation strategies when encouraging new businesses to establish in Port Angeles.
17. The City should develop an economy which provides opportunities for Port Angeles' vulnerable and at-risk community members.
18. The City should identify bureaucratic obstacles and work to expedite economic development.
19. The City should recognize the longstanding naval and coast guard presence in Port Angeles and consider new opportunities for military presence in the harbor that provide a balance of environmental, economic and social benefits to the community.
20. The City should invest in training and education for local residents, by providing access to state-of-the-art technology and training opportunities.
21. The City should encourage and incentivize youth entrepreneurship as well as jobs and businesses that attract young families.
22. The City should attract and retain businesses and industries which create family wage jobs for local residents.
23. The City should provide opportunities for civic cooperation. Coordinate with local non-profit and community service organizations to support economic development.
24. The City should prioritize the airport as major economic asset and identify specific incentives to attract commercial services.
25. The City should promote and incentivize local business.
26. The City should support non-profits and associations which enhance local economic development.
27. The City should establish a City Ombudsman to help people and businesses handle complaints, understand and navigate through regulations, and apply for help in coordinating permits and waivers for events, festivals, etc.



28. The City should establish an authority for community events, meetings, trade shows, festivals, etc. to encourage and support them, help find venues, cut through red tape, coordinate volunteer efforts, and publicize them.
29. The City should encourage the location and support for adequate venues for community meetings, shows, music art, hobby and user groups, and professional and business meetings.
30. The City should support the location of low-cost places where people (especially young people) can congregate and talk, and ensure that these have up-to-date communication facilities.
31. The City should recognize art, architecture, music, and performance as important community resources and continue to encourage and support cultural activities.
32. The City should support decorating public spaces with more art from the community.
33. The City should encourage the design of public spaces that encourage people to interact.
34. The City should support the concept and encourage the establishment of Maker's Spaces (See definition). Public spaces where people make things and collaborate on projects. Spaces are usually equipped with tools, 3D printers, computers, design software, art and craft tools and supplies.
35. The City should support concepts and plans that broaden transportation and recreation opportunities associated with the Olympic National Park and National Forest, as a means of increasing local employment and to attract additional visitors to the City.

Objective

1. The City will work with the Port of Port Angeles, Clallam County, and the Lower Elwha Klallam Tribe (LEKT) to study the future of the William R. Fairchild International Airport, update the Airport Master Plan, and accommodate the Terminal Relocation Plan.
2. The City will encourage the Port of Port Angeles to work with the City, Clallam County, and the Lower Elwha Klallam Tribe (LEKT) to resolve issues regarding the existence of trees in Lincoln Park that affect the flight path for landing at William Fairchild International Airport.
3. The City will encourage activities and events that promote arts and culture educational awareness and commerce.

Goal

- B. To have a healthy local economy that co-exists with the community's high quality of life through the protection, enhancement, and use of the community's natural, historical, and cultural amenities.



Policies

1. The City should promote the region's high quality environment and available natural and cultural resources as factors in attracting and retaining business, industry, and individual enterprises.
2. The City should promote the community's quality public school system and its diversity of other educational opportunities as factors in attracting and retaining business and industry.
3. The City should encourage the enhancement of the existing two-year community college through such means as the expansion of its technical curriculum and additional four year degree opportunities.
4. The City should promote development of planned office, business, and industrial parks, while conserving unique physical features of the land and maintaining compatibility with other land uses in the surrounding area.
5. The City should encourage the availability of housing that meets the needs of the entire spectrum of the community's residents.
6. The City should recognize, preserve and promote its historic and cultural properties as a measure of its quality of life.
7. The City should support landscaping and detailing of the streetscape at the City's east and west entries.
8. The City should utilize the Climatic Change Preparedness Plan in attracting businesses, to demonstrate a proactive approach to climatic change in the area.

Objective

1. The City will encourage streetscape improvements to beautify entryway corridors. Outreach and educational materials may be developed to encourage private property participation in such beautification projects.
2. The City will identify specific standards for street and parking lot tree plantings and other landscaping requirements. The City will emphasize use of appropriate vegetation in planter strips and bioretention facilities.

Goal

- C. To create and promote a strong tourism industry for Port Angeles, as well as to recognize and support existing and prospective tourism attractions.

Policies

1. The City should support improved access to the Olympic National Park, particularly to Hurricane Ridge.
2. The City should work to enhance the public use of Ediz Hook.
3. The City should take a leading role in enhancing visitors' first impression of the community by maintaining and upgrading the City's public facilities, green infrastructure, and strengthen the nuisance abatement program.



4. The City should support development of an electric vehicle (EV) charging station network and EV maintenance facilities around the Olympic Peninsula.
5. The City should support tourism and recreation activities which highlights Port Angeles' natural, cultural and historical amenities.

Goal

- D. To strengthen and enhance the restoration and reinvigoration of our downtown historic buildings, infrastructure improvements, and beautification projects.
1. The City should consider best available science on sea level rise and recommended mitigation and adaptation strategies in the development of downtown.
 2. The City should encourage and pursue economic development with positive environmental consequences. Identify and attract non-polluting industries and eco-friendly business.



XII. PARKS AND RECREATION ELEMENT

General Comments

The intent of the Park Element is to provide a framework and guide for the development and management of City parks in Port Angeles. The following policies address a variety of subjects, some stand on their own, while others require coordination with other elements of the Comprehensive Plan.

The Parks and Recreation Element of the City's Comprehensive Plan was developed as an outgrowth of the Comprehensive Park, Open Space, and Recreation Plan created in 2003 by City park staff and incorporated into the City's Comprehensive Plan in 2007.

Goals, Policies, and Objectives

Goal

- A. 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.

Policies

1. The City of Port Angeles should provide its citizens with a diversity of open spaces, parks, and recreation facilities and programs appropriately distributed throughout the City.
2. The City should strive to ensure that equality is achieved to the extent possible in the types and variety of facilities, quality of maintenance, and the range of recreation services provided.
3. The City should strive to retain and reflect the natural beauty that attracts visitors, business, and residents to the area.
4. The City should continue to forge effective partnerships and strengthen its ties with other public, private, and non-profit providers.
5. The City should identify waterfront improvements to increase marine transportation and recreation.
6. The City should identify appropriate locations for small (pocket) parks, community gardens and food forests throughout the community and integrate them into its Parks system.
7. The City should investigate acquisition of the Rayonier property at Harbor Crest cul-de-sac as park to serve as pedestrian access to waterfront trail.

Objective

1. The City will develop a parks impact fee to aid in funding the acquisition and development of new park lands in areas where new development creates a need for additional park facilities.



Goal

- B. 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.

Policies

1. The City should provide consistently high quality recreational experiences to residents and visitors through a wide variety of park types and features.
2. The City should strive for excellence through efficient, accurate, and skillful performance in every process, service and product delivered by the Parks and Recreation providers.
3. The City should keep citizens involved and informed about parks and recreation issues and services.
4. The City should manage park facilities in a manner that will ensure public safety, keep the parks free of misuse to the greatest extent possible and result in a sustainable and resilient park system.
5. The City should not approve any development that will not be served at or greater than a citywide level of service standard of 10 acres of parks per 1,000 population within six years from the time of development.
6. The City should incorporate health and nutrition into parks and recreation programming.
7. The City should enhance its parks and recreation system's safety, variety and accessibility, and identify family friendly features and amenities.

Objective

1. The City will provide adequate means of support for the delivery of high quality park and recreation services and products.
2. The City will provide a responsive, effective and high quality parks system and recreational programs through community participation and involvement in park facility and recreation programs to reflect community needs.
3. The City will provide appropriate signage and follow best practices in landscaping and design to provide adequate visibility for park users.
4. The City will provide programs relative to park and recreation uses such as swimming lessons and boating safety lessons to enhance user safety.
5. The City will provide programs and opportunities that are sensitive to the needs of all of its citizens, including those with limited financial resources, disadvantaged youth, the elderly, the disabled, and those with other special needs.



6. The City will provide programs relative to park and recreation uses to encourage increased physical activity.

Goal

- C. To establish and protect a visual character of the community through open spaces, streetscapes, borrowed landscapes, and publicly-owned natural resource areas.

Policies

1. The City should strive to protect and retain the natural beauty of the area.
2. The City should supplement and enhance the visual attractiveness of the city through the use of formal landscaping in street medians, city entryways, and along sidewalks, as well as the use of other public spaces, flower beds, and street trees. The City will emphasize use of planter strips with drought tolerant vegetation and bioretention facilities.

Objective

1. The City will develop a landscape ordinance to provide for enhanced street tree management, parking lot screening, and stormwater management.

Goal

- D. 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.

Policies

1. The City should provide high quality services, emphasize the design of park areas to reduce long-term maintenance and operating costs, and implement improved technology to conserve limited resources such as water, power and people.

Objective

1. The City will use modern equipment and utilize staff effectively and properly plan maintenance activities.
2. The City will encourage the installation of LID BMPs in parks, including bioretention facilities and permeable pavement trails. Installation of LID BMPs in parks will include an element of public education (i.e., signage).

Goal

- E. To promote economic growth through recreational tourism, and attract visitors and new business by enhancing the image of the community through beautification and recreation programs.

Policies

1. The City should continue to provide or participate with private sponsors to provide high quality recreational opportunities.



2. To encourage efficient transportation systems, the City should support the use of shuttle services during events to move participants between venues.

Objective

1. The city will promote programs that encourage visitation and participation from persons outside of Port Angeles to help off-set program costs.
2. The City will work with the Port of Port Angeles, Clallam County, and the Lower Elwha Klallam Tribe (LEKT) to resolve issues regarding the existence of trees in Lincoln Park that affect the flight path for landing at William Fairchild International Airport.

Goal

- F. To provide a system of walking trails and bicycle paths to complement and coordinate with the existing street system and provide recreational opportunities and physical activity while reducing the dependence on traditional automobile transportation.

Policies

1. The City should continue to participate as a partner in the extension of the Olympic Discovery Trail through the City to the western City limits.
2. The City should continue efforts to improve or provide access to Valley, Tumwater, Peabody, Ennis and White's Creeks through the development of an integrated trails system.

