

City of Portland

CAPITAL IMPROVEMENT PLAN

FY 2016 – FY 2020



April 2015

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Introduction

The Capital Improvements Plan (CIP) presents the City's capital needs in the current year and plans for capital needs in future years. It is also a financing plan for **public improvement projects** that require significant capital investment for the City. The purpose of developing and annually updating a five-year CIP is to inform policy makers and community of both the current and future capital needs of the community and balanced those needs with the City's debt position, public expectations, and the ability of the City's operating budget to fund capital projects.

The capital plan is not intended to predetermine that a project will be funded, but is intended to be a living and flexible document that considers capital needs in the community and balances those needs with what the City can afford.

Generally, capital improvements projects consist of purchasing, constructing or renovating structures, acquiring land and/or purchasing major equipment or vehicles that have a total cost of at least \$10,000 and a useful life of more than five years. Common CIP projects include new vehicles, new or improved sidewalks, roads, neighborhood renewal projects and new City facilities, such as schools and other facilities.

The CIP, which is updated annually specifies and describes the City's capital project schedules and priorities for the next five years. The CIP attempts to reflect Government Financial Officer Association (GFOA) best practices for multi-year capital planning and asset assessment, maintenance, and replacement.

This Capital Improvement Plan meets the following requirements. Pursuant to the 2011 amendments to the City Charter (Article VI, Section 5, paragraph (i)), one of the City Manager's duties is to "prepare a five (5) year rolling Capital Improvement Plan for annual presentation to the City Council, which Plan includes the following:

1. A one (1) year plan of specific projects and their costs;
2. A two (2) through five (5) year plan of specific projects and general categories, and amounts of proposed spending and funding sources; and
3. A discussion of the basis for the plan and the factors which went into its development or amendments."

CIP Preparation

City Departments reviewed and developed potential CIP projects (including those submitted by the community) and submitted projects for consideration in the CIP. Each capital project request includes a project description, justification, proposed funding levels and sources and, if applicable, estimated ongoing operating costs. For projects already underway, the description also notes the remaining portion of the project's budget.

Each project was then reviewed by City staff and evaluated as to whether it was critical to maintaining a City asset. Projects that were deemed critical were recommended based on the projected availability of funds in future years.

A list of specific projects and their costs and the Capital Improvement Plan was then prepared and presented to the City Council Finance Committee for consideration. The Finance Committee then recommended the list of specific projects and their costs to the City Council with a recommendation to fund the borrowing portion of the Plan.

Relationship to the Annual Operating Budget

Some projects listed in the CIP are recommended for funding through annual operating funds in the upcoming operating budget while other projects are recommended for funding through borrowing. Projects funded through borrowing impact the operating budget through ongoing debt service expenses. Some CIP projects also directly impact the operating budget in that they will require ongoing expenses for staff and other operating costs.

The projects funded through borrowing in the coming year impact the following year’s operating budget dependent on when bonds are issued. From a financial planning standpoint the CIP attempts to balance deferring maintenance and other capital investments with the increased expenditure from borrowing and then debt payments from that borrowing that then needs to be offset by increasing revenue (e.g. property taxes).

In summary, funding for capital projects comes from four general sources:

- Funds received through the sale of bonds including general obligations bonds (repaid through taxes on property) and sometimes revenue supported bonds (repaid through utility charges);
- Money from the City’s general fund (annual operating budget); or
- Other loans, grants or other Federal/State aid.

Funding Summary

Given the City’s consistently strong financial position, managing the overall debt level and ability to service that debt remain critical factors in maintaining a strong credit rating. At the present time, the City’s outstanding authorized and issued debt for city and school funds is approximately \$219 Million.

Outstanding Debt Authorized and Issued as of June 30, 2014

General City	108,760,921
Pension	110,210,000
<u>Sewer</u>	<u>70,005,301</u>
Total	288,976,222

The City’s General Fund debt service for the current year and the next five years, **exclusive** of authorized, but not issued debt and reimbursements for School Construction debt service are:

<u>Fiscal Year</u>	<u>CURRENT Principal and Interest Payments</u>	
	<i>Exclusive of POB</i>	<i>Inclusive of POB</i>
2016 (current)	13,986,992	26,062,327
2017	13,010,434	25,862,097
2018	11,471,029	25,145,881
2019	10,482,155	25,030,036
2020	9,058,512	24,530,909

The five year Capital Improvement Plan calls for approximately \$61 Million in city and school projects supported by City resources including the operating budget, fund balance, and the issuance of general obligation bonds. The following table summarizes the proposed use of local resources in the first year (2016) and the total over the full five years (2016-2020):

<u>Funding Source</u>	<u>FY 2016</u>	<u>FY 2016 – FY 2020</u>
City Bond Issue	14,726,000	61,453,700
City Operating Budget	580,000	3,855,000
Sewer Bond Issue	4,005,000	20,155,000
Sewer Operating Budget	375,000	1,240,000

The following table summarizes the proposed **bond issues** over the next five years:

<u>Fund</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Total</u>
City	13,440,000	9,479,700	10,485,000	9,430,000	7,050,000	49,884,700
School	1,140,000	3,040,000	1,385,000	4,715,000	695,000	10,975,000
Public Art	73,000	61,000	57,000	69,000	37,000	297,000
<u>Land Bank</u>	<u>73,000</u>	<u>61,000</u>	<u>57,000</u>	<u>69,000</u>	<u>37,000</u>	<u>297,000</u>
Total General Fund	14,726,000	12,641,700	11,984,000	14,283,000	7,819,000	61,453,700
Sewer Fund	4,005,000	9,820,000	2,255,000	2,130,000	1,945,000	20,155,000

As a result of the funding levels for bonds issues over the next five years, the planned City's General Fund debt service for the next five years, including reimbursements for School debt service and **excluding** pension bonds is estimated to be:

<u>Fiscal Year</u>	<u>PROJECTED</u> <u>Principal and Interest Payments</u>	<u>Net Increase/</u> <u>(Decrease)</u>	<u>Tax Rate</u> <u>Increase/(Decrease)</u>
2016 (current)	13,986,992	9,397	0.00
2017	14,431,204	444,212	0.06
2018	14,267,850	(162,354)	(0.02)
2019	14,561,766	293,916	0.04
2020	14,546,627	(15,140)	(0.00)

Inclusive of pension bonds, the estimates are:

<u>Fiscal Year</u>	<u>PROJECTED</u> <u>Principal and Interest Payments</u>	<u>Net Increase/</u> <u>(Decrease)</u>	<u>Tax Rate</u> <u>Increase/(Decrease)</u>
2016 (current)	26,062,327	737,736	0.10
2017	27,282,867	1,220,540	0.16
2018	27,942,702	659,835	0.08
2019	29,109,647	1,166,945	0.04
2020	30,019,024	909,377	0.11

CIP Discussion

In Fiscal Year 2015 the City authorized approximately \$12.5 Million in General Fund borrowing. The decision to authorize \$12.5 Million in borrowing will result in an increase of approximately \$10,000 for capital debt payments in the upcoming FY2016 operating budget. Including pension bond payment increases, the net increase from FY 2015 borrowing will be approximately \$740,000. The tax rate increase from capital borrowing will be approximately \$0.00 or \$0.10 including the pension bond payment.

The FY2015 five-year planning document estimated \$130 Million in borrowing during the five year planning horizon. This would potentially result in annual increases of upwards of \$1.7 Million from capital alone to the operating budget year-after-year from 2016 to 2020. Increases of that size or borrowing in that amount are unrealistic; setting up false expectations for funding projects when there are not the funds to support the debt payments.

In this year's CIP, approximately half of the 2016 capital budget (\$14.7 Million) proposed for authorization by the City Council is funding for the necessary replacement of the Public Safety Communication System (\$7 Million) which at this point is obsolete and needs to be replaced as an emergency. A portion of the Communication System's debt payments will be shared with South Portland because it is a joint city service as specified in an interlocal agreement. The remaining capital projects are critical to maintaining the City's assets; however, in an effort to minimize the immediate impact to the FY2017 operating budget from borrowing resulting from the FY2016 CIP and to minimize long-term tax rate increases, there were numerous capital maintenance projects that were deferred for later years including over a \$1 Million in vehicle replacements such as snow plows, police cruisers and parking enforcement vehicles. Additionally, needed street repairs and sidewalk repairs were deferred to later years. Street reconstructions were also deferred as well as important projects such as renovating library facilities and making investment to the waterfront.

Even with deferred maintenance as is proposed in the 2016 capital budget, the net increase to the FY2017 operating budget will be approximately \$450,000 from capital or \$1,300,000 from all debt (i.e. Pension Bond). The resulting tax rate increase in FY2017 from committed to FY2015 and projected FY2016 debt payments is estimated to be an increase of approximately \$0.25 per \$1,000 of value on the tax rate from all forms of debt and \$0.06 per \$1,000 of value from capital borrowing alone.

This year's Five-year Capital Improvement Plan presents a capital maintenance funding program that balance maintaining roads, sidewalks, facilities (School and City), parks and open space, as well as the City's vehicle fleet with minimizing the impact from capital expenditure on the operating budget and minimizing potential tax rate increases. **The presented five-year Plan, in years two through five, shows the maximum funding-levels available so as not to increase operating budget expenditure.**

However, it is understood that there are upcoming capital projects of great importance to the community that carry with them significant costs. It is recommended that the Capital Improvement Plan be used as the tool that it is will help the City plan for and analyze future capital expenditures. Just as this year's Communication System Replacement project (\$7 Million estimate) carries with it deferred maintenance City-wide and an increase to the FY2017 operating budget; the preparation of future year capital budgets will also need to make similar choices to balance capital maintenance, community investment, and increases to operating budget expenditures and therefore the tax rate.

Capital projects that will be considered by the community over the next five to ten year will have a significant impact upon the operating budget. There will be a need to balance funding the projects with impact to the operating budget, the tax rate and service impacts. The following is the known list of projects that are of importance to the community (in no particular order):

- Continuing to move Public Services from Bayside (estimated additional \$6 Million¹);
- Elementary School Renovations and Expansions (non-State funded \$51 Million²);
- Congress Square Re-design (estimated \$3.4 Million)³;
- Franklin Street Re-design (estimated \$5 Million)⁴;
- Bayside Transportation Improvements (estimated \$1.5 Million)⁵;
- State and High Streets One-way/Two-way (estimated \$3 Million)⁶;
- Forest Avenue Transportation Improvements (\$3.5 Million)⁷;

In planning for the financial impact of funding these projects, the planning horizon has been extended to 2027 to coincide with the expiration of the pension bonds. A draft capital planning schedule and resulting financial impact to the operating budget and tax rate can be found in Section D on page 29 of this document.

¹ Relocated Public Services from Bayside incorporates the consolidation of city facilities. The sale of the Bayside Public Services properties will somewhat offset the purchase new property and facilities.

² ESTIMATE ONLY

³ ESTIMATE ONLY and final estimated cost contingent on other projects.

⁴ ESTIMATE ONLY

⁵ PROJECT SCOPE UNDEVELOPED, ESTIMATE ONLY

⁶ ESTIMATE ONLY

⁷ PROJECT SCOPE UNDEVELOPED, ESTIMATE ONLY

Needs Assessment

The needs assessment is a summary of the City’s capital assets, an evaluation of the replacement value of those assets, and estimate of the annual reinvestment needed to maintain those assets. It can be used as a tool for evaluating investment in the City’s capital assets and suggests an average annual funding target for future capital investment.

Asset Inventory

The City provides a wide range of services to the community requiring a diverse range of capital assets. In summary those assets include approximately:

- 82 buildings containing 2.5 million square feet (sf) of occupied space
- 1,075 acres of parks area
- 6.3 million sf of sidewalk area
- 43.2 million sf of road area
- 2 million linear feet of underground pipe
- 683 vehicles

Public Facilities Capital Assets

General Fund Buildings

- 33 City Building totaling approx. 486,138 sf
- 25 School Building totaling approx. 1,632,364 sf
- 9 Fire Building totaling approx. 69,621 sf
- 3 Barron Center Building totaling approx. 117,032 sf
- 3 Parking Garages with 1,585 parking garage spaces

Enterprise Fund Buildings

- 5 Golf Course Buildings totaling approximately 17,068 sf
- 1 Ice Arena Building totaling approximately 42,415 sf
- 2 Library Building totaling approximately 82,900 sf¹

Recreation

- 3 Stadium
- 46 Playing Fields
- 23 Tennis Courts
- 9 Basket Ball Courts
- 3 Swimming Pools
- 3 Skating Pond
- 1 Skate Park
- 25 Playgrounds

Open Space and Cemeteries

- 1,075 acres of park area²
- Fort Gorges
- 9,331 linear feet of sea wall
- 38,400 linear feet of walking path
- Unknown number of tombs

¹ The Library is not an enterprise fund, but is subject to the City’s debt limit policy. There are additional library locations; however, these locations are located in other buildings.

² This value does not include the islands.

Vehicles and Equipment Capital Assets

General Fund Vehicles

- 55 Fire Vehicles
- 81 Police Vehicles
- 332 Public Service Vehicles
- 50 Recreation and Facilities Vehicles
- 10 Parking Management Vehicles
- 30 School Vehicles
- 3 Health and Human Services Vehicles
- 8 Barron Center Vehicles
- 8 Miscellaneous City Hall Department Vehicles

Enterprise Fund Vehicles

- 104 Golf Course Vehicles
- 1 Ice Arena Vehicle
- 1 Library Vehicle

General Fund Equipment

- 2,560 square feet of Health and Human Services kitchen space
- 685,957 linear feet of Public Safety data cable
- 3 Public Safety transmission towers
- 7 Public safety communication equipment systems
- 22 Information Technology storage and network devices
- Information Technology network wiring
- 28,000 square feet of School kitchen space
- 125 signalized pedestrian intersections
- 97 streetlight poles
- 9,000 square feet of pier area
- 2 pedestrian piers
- Field Irrigation systems
- Field Lighting systems

Enterprise Fund Equipment

- Golf Course irrigation system
- Ice Arena refrigeration system
- Ice Arena skate sharpener
- Library network and storage devices

Roadways and Sewer System Capital Assets

Roadways

- 6,341,751 square feet of sidewalk area
- 1,006,300 linear feet of curbing
- 14,516,986 square feet of arterial and collector area
- 21,753,143 square feet of local street area

Sewer and Stormwater Enterprise Fund

- 2,034,220 linear feet of underground pipe
- 7,966 sewer manholes
- 6223 catch basins
- 859 sewer and stormwater outfalls
- 10 sewer pump stations

Full Replacement Cost

Keeping all of the City's capital assets in functional and working order requires regular reinvestment. Assuming that the City's entire General Fund asset portfolio required replacement tomorrow, the current replacement value (excluding land value) of those capital assets is estimated to be \$830 Million. Approximately 48% of that value is in infrastructure such as roads and sidewalks, 44% in public facilities and the remaining value in vehicles and equipment.

Assuming that the City's entire Sewer Fund asset portfolio required replacement tomorrow, the current replacement value (excluding land value) of those capital assets is estimated to be \$393 Million.

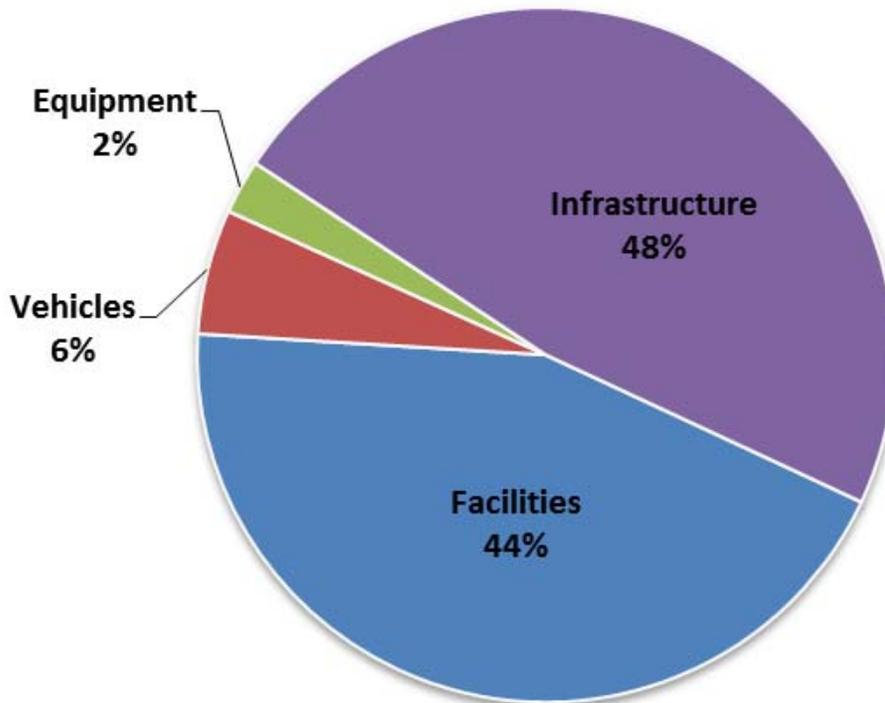


Figure: Full Replacement Cost: General Fund Assets (Approximately \$830,000,000)

Annualized Reinvestment Cost

Assuming regular reinvestment in the City's General Fund capital assets would take place annually through such activities as reconstruction of facilities, repaving of roadways, and replacement of equipment the annualized reinvestment requirement would be approximately \$19 Million.

Given that the estimated lifespan of capital assets varies considerably from asset to asset reinvestment requirements would vary per asset category. Facilities and infrastructure has a much longer estimated lifespan than vehicles; however, given shorter lifespans of some assets and the high cost of replacing those assets, those assets would require a larger proportion of annualized investment requirements.

For example, while vehicles only represented 6% of total replacement value of City assets, maintaining vehicle assets would require 25% of the City's annualized reinvestment.

Assuming regular reinvestment in the City's Sewer Fund capital assets would take place annually through such activities as reconstruction of sewer pipe, catch basins, sewer pump stations, and other sewer and stormwater assets the annualized reinvestment requirement would be approximately \$5.3 Million.

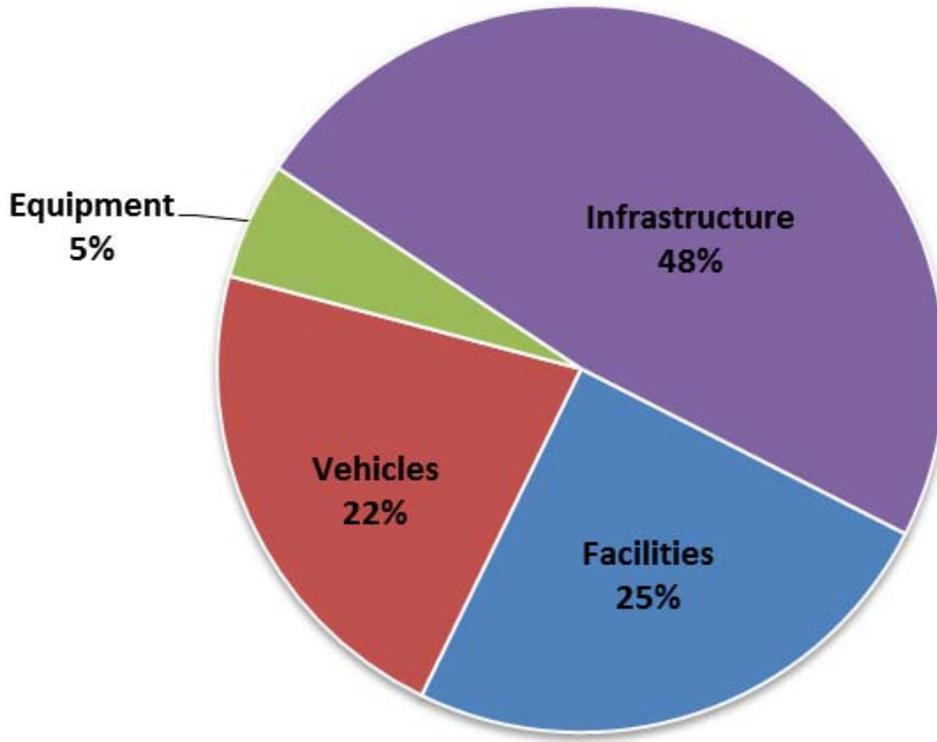
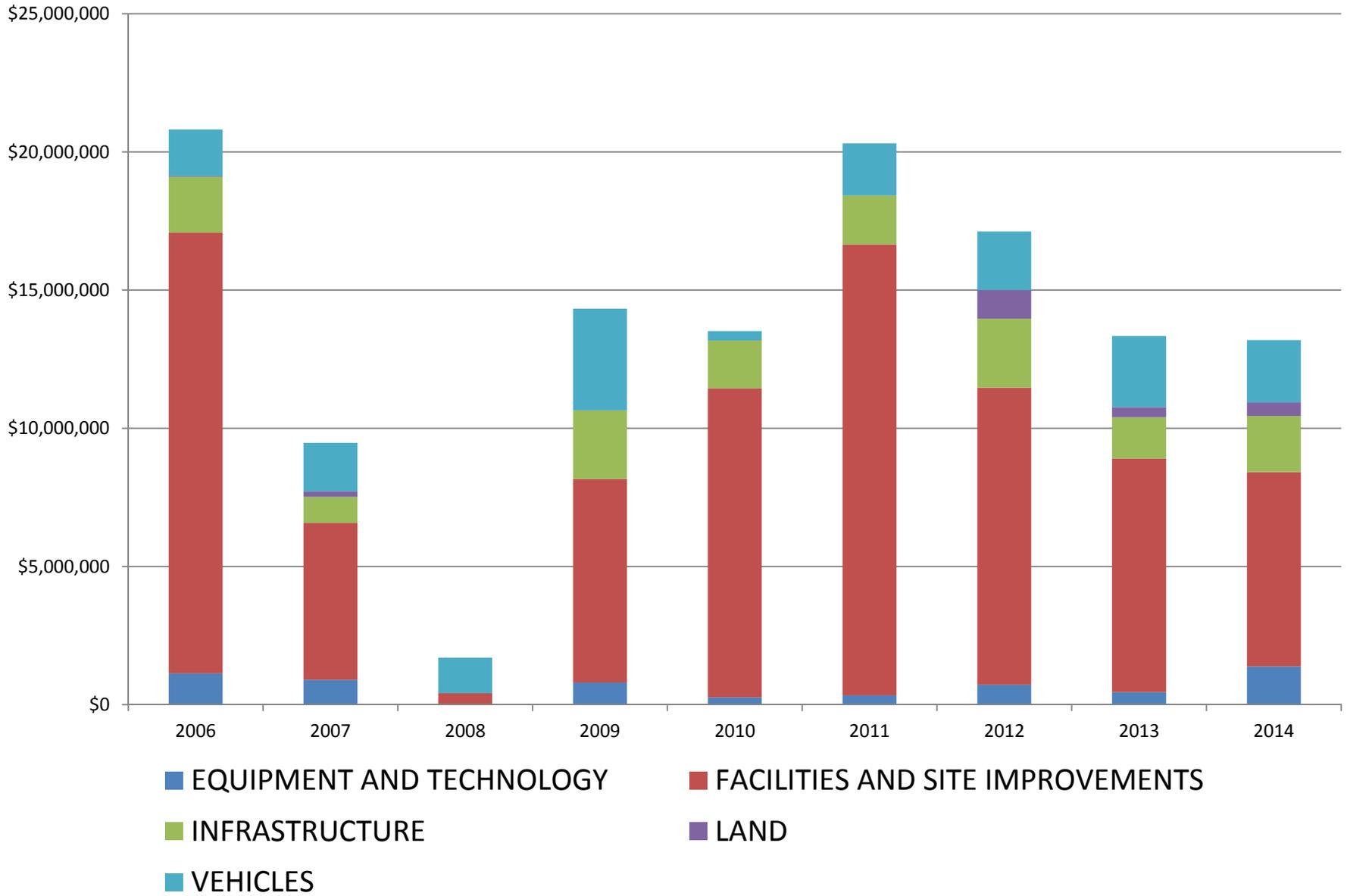


Figure: *Annualized Reinvestment Cost: General Fund Assets (Approximately \$19,000,000/year)*

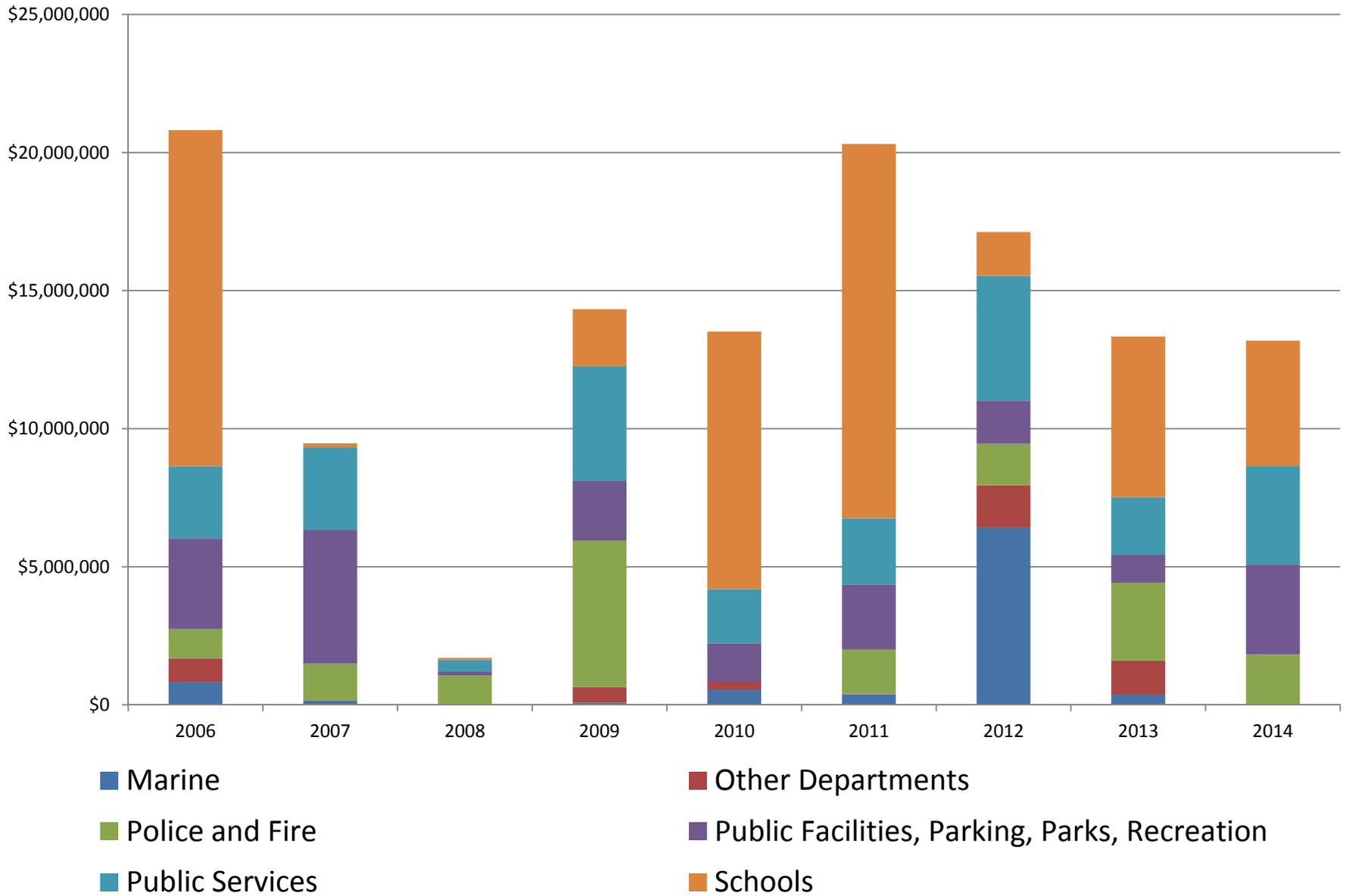
Historic Capital Expenditures

Historic capital expenditures have ranged from approximately \$12 Million to \$30 Million between FY 2006 and FY 2012. On average, expenditure has been approximately \$20 Million per year, roughly corresponding to the estimated annualized reinvestment requirement. This suggests that reinvestment in the City's capital assets has been adequate in aggregate.

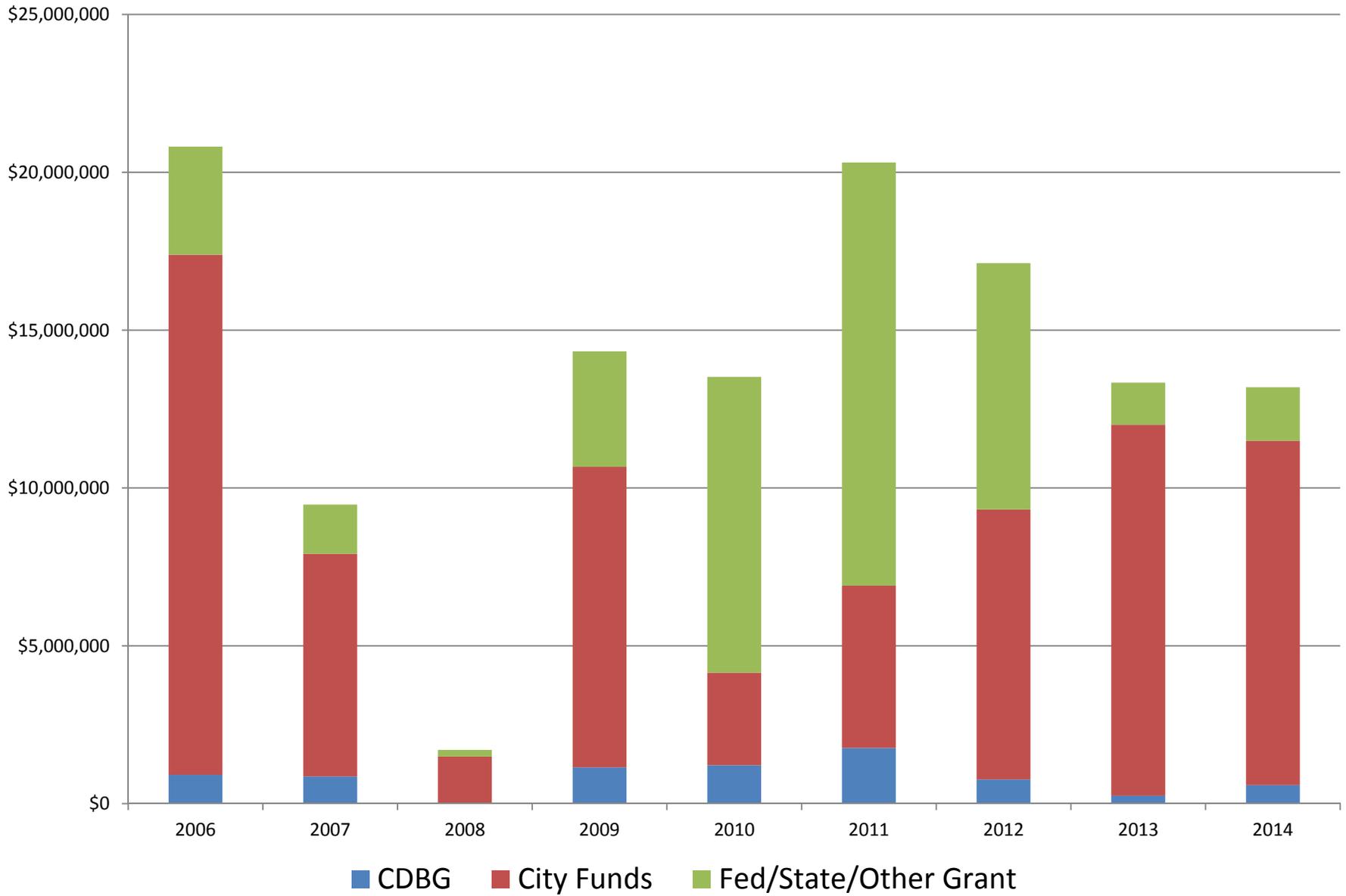
EXPENDED CAPITAL FUNDS



EXPENDED CAPITAL FUNDS



EXPENDED CAPITAL FUNDS



A: FUNDING SUMMARY - GENERAL FUND

	FY15 auth.	FY16	FY17	FY18	FY19	FY20	FY21
Funding Proposed							
Cash							
City	383,000	580,000	1,295,000	935,000	545,000	500,000	
School	-	-	-	-	-	-	
Total General Fund Cash	383,000	580,000	1,295,000	935,000	545,000	500,000	
Borrowing							
City	10,983,000	13,440,000	9,479,700	10,485,000	9,430,000	7,050,000	
School	1,525,000	1,140,000	3,040,000	1,385,000	4,715,000	695,000	
Subtotal General Fund Borrowing	12,508,000	14,580,000	12,519,700	11,870,000	14,145,000	7,745,000	
Public Art	63,000	73,000	61,000	57,000	69,000	37,000	
Land Bank	63,000	73,000	61,000	57,000	69,000	37,000	
Total General Fund Borrowing	12,634,000	14,726,000	12,641,700	11,984,000	14,283,000	7,819,000	
Subtotal - Cash and Borrowing							
City	11,492,000	14,166,000	10,896,700	11,534,000	10,113,000	7,624,000	
School	1,525,000	1,140,000	3,040,000	1,385,000	4,715,000	695,000	
Total General Fund	13,017,000	15,306,000	13,936,700	12,919,000	14,828,000	8,319,000	
Sewer/Stormwater Funds							
Reallocated Bond Proceeds	2,150,000	-	-	-	-	-	
Authorized Tier III CSO LTCP	3,000,000	29,250,000	10,000,000	32,000,000	16,300,000	10,300,000	
Cash	115,000	375,000	240,000	200,000	200,000	225,000	
Borrowing	3,277,000	4,005,000	9,820,000	2,255,000	2,130,000	1,945,000	

A: FUNDING SUMMARY - GENERAL FUND

	FY15 auth.	FY16	FY17	FY18	FY19	FY20	FY21
Valuation (1% est. increase)	7,599,562,660	7,675,558,287	7,752,313,869	7,829,837,008	7,908,135,378	7,987,216,732	8,067,088,899
Current Debt Service							
Current General Fund Debt Service							
City General Obligation	9,981,300	10,295,852	9,373,818	8,545,970	8,079,117	6,909,667	6,314,987
City Loans	123,002	123,002	123,002	123,002	123,002	123,002	123,002
School General Obligation	5,558,364	5,228,302	4,814,125	4,110,377	3,549,514	3,260,566	3,108,376
School Capital Leases	186,843	93,086	46,996	4,180	4,319	-	-
Total GF (Non-POB) Debt Service	15,849,509	15,740,242	14,357,941	12,783,529	11,755,952	10,293,234	9,546,365
Pen. Obligation Bond - City	9,985,356	10,626,295	11,309,463	12,033,870	12,802,135	13,615,710	14,474,866
Pen. Obligation Bond - School	1,361,640	1,449,040	1,542,200	1,640,982	1,745,746	1,856,688	1,973,845
Total POB Debt Service	11,346,996	12,075,335	12,851,663	13,674,852	14,547,881	15,472,397	16,448,711
Total Current GF Debt Service	27,196,505	27,815,577	27,209,604	26,458,381	26,303,833	25,765,632	25,995,076
Authorized, Not Borrowed--est. debt service							
Public Services Canco Road			274,500	268,401	262,302	256,203	250,100
Capisic Pond (CIP 2015)			53,675	52,404	51,133	49,861	48,590
Other (CIP 2015)			38,000	37,100	36,200	35,300	34,400
Total Authorized, Not Borrowed--est. debt service		-	366,175	357,905	349,635	341,364	333,090
Less State reimbursed School Debt Service (est)	(1,871,914)	(1,753,250)	(1,713,682)	(1,670,405)	(1,623,432)	(1,576,087)	(1,527,410)
Current GF Debt Service Est.	25,324,591	26,062,327	25,862,097	25,145,881	25,030,036	24,530,909	24,800,756
<i>increase from prior year</i>	<i>1,409,049</i>	<i>737,736</i>	<i>(200,230)</i>	<i>(716,216)</i>	<i>(115,845)</i>	<i>(499,126)</i>	<i>269,847</i>
Current GF Debt Service Est. (less POB)	13,977,595	13,986,992	13,010,434	11,471,029	10,482,155	9,058,512	8,352,045
<i>increase from prior year</i>	<i>718,048</i>	<i>9,397</i>	<i>(976,558)</i>	<i>(1,539,405)</i>	<i>(988,874)</i>	<i>(1,423,643)</i>	<i>(706,467)</i>
Current Debt Service Available		(737,736)	(537,506)	178,710	294,555	793,682	523,835
<i>Current FY15 Comparative Est. Tax Rate Increase from</i>	-	<i>0.10</i>	<i>0.07</i>	<i>(0.02)</i>	<i>(0.04)</i>	<i>(0.10)</i>	<i>(0.06)</i>
Projected Debt Service							
Projected New Issue Debt Service--est. debt service							
City			1,297,970	2,383,939	3,545,302	4,518,435	5,205,612
School			122,800	412,883	534,310	969,680	986,948
General Fund--est. debt service			1,420,770	2,796,822	4,079,612	5,488,115	6,192,559
Projected GF Debt Service Est.	25,324,591	26,062,327	27,282,867	27,942,702	29,109,647	30,019,024	30,993,315
<i>increase from prior year</i>	<i>1,409,049</i>	<i>737,736</i>	<i>1,220,540</i>	<i>659,835</i>	<i>1,166,945</i>	<i>909,377</i>	<i>974,291</i>
Projected GF Debt Service Est. (less POB)	13,977,595	13,986,992	14,431,204	14,267,850	14,561,766	14,546,627	14,544,604
<i>increase from prior year</i>	<i>718,048</i>	<i>9,397</i>	<i>444,212</i>	<i>(163,354)</i>	<i>293,916</i>	<i>(15,140)</i>	<i>(2,022)</i>
Projected Debt Service Available		(737,736)	(1,958,276)	(2,618,112)	(3,785,057)	(4,694,433)	(5,668,725)
<i>Proj FY15 Comparative Est. Tax Rate Increase</i>	-	<i>0.10</i>	<i>0.25</i>	<i>0.33</i>	<i>0.48</i>	<i>0.59</i>	<i>0.70</i>
<i>Proj Est. Tax Rate Increase from Prior Year GF Debt</i>		<i>0.10</i>	<i>0.16</i>	<i>0.08</i>	<i>0.15</i>	<i>0.11</i>	<i>0.12</i>
<i>Proj Est. Tax Rate Increase from Prior Year Capital Borrowing</i>		<i>0.00</i>	<i>0.06</i>	<i>(0.02)</i>	<i>0.04</i>	<i>(0.00)</i>	<i>(0.00)</i>

B. RECOMMENDED 2016 CAPITAL PROJECTS - GENERAL FUND CASH

Facilities

Buildings/Garages

Peaks Island Exhaust Removal System 30,000

Buildings/Garages Total 30,000

Facilities Total **30,000**

Parks, Fields, Trails

Parks, Fields, Trails

Western Promenade Walkways 50,000

Complete Dead House Restoration 20,000

Parks, Fields, Trails Total 70,000

Parks, Fields, Trails Total **70,000**

Equipment and Vehicles

Equipment

Phonemail System Replacement 45,000

Ticket Dispensers at Spring Street Parking Garage 45,000

Virtualization, Storage and Redundancy Upgrade 65,000

Ticket Dispenser at Elm Street Parking Garage 15,000

Equipment Total 170,000

Vehicles

1/2 Ton Pickup Replacement - Playgrounds 2188 40,000

Replace 1 Ton Stake Body - 4970 School Maintenance 50,000

3/4 Ton Pickup Replacement - Solid Waste 2033 25,000

Staff Car Replacement - Fire 40,000

Replace Pickup Riverside Golf 2017 30,000

1/2 Ton Pickup Replacement - Trades 2084 25,000

Compact Pickup Replacement - Barron Center 2209 20,000

Replace Parking Enforcement Truck 2154 25,000

1/2 Ton Truck Replacement - Forestry 2038 30,000

Solid Waste Inspections Pickup Replacement - Solid Waste 2155 25,000

Vehicles Total 310,000

Equipment and Vehicles Total **480,000**

GENERAL FUND CASH TOTAL **580,000**

B. 2016 CAPITAL PROJECTS - GENERAL FUND FINANCED

Transportation

PACTS/Match

PACTS Regional Transportation Management Systems (RTMS) - Traffic Signals 100,000

PACTS/Match Total 100,000

Streets/Sidewalks

Paving Preservation and Rehabilitation 1,000,000

Sidewalk Rehabilitation/Accessibility 500,000

Streets/Sidewalks Total 1,500,000

Transportation Total **1,600,000**

Facilities

Buildings/Garages

Fire Alarm & Sprinkler Systems at all Fire Stations 75,000

Waterproof Decking Recoat at Temple Street Parking Garage 305,000

Ultra Violet Water Treatment System at Riverton Pool 50,000

Passenger Elevator at City Hall 100,000

Seating at Hadlock Field 190,000

Bleachers at Ice Arena 100,000

Roof Deck at Spring Street Parking Garage 500,000

Library Roof Section 25,000

Buildings/Garages Total 1,345,000

Marine

Compass Park Pier Stabilization 30,000

Piles at Portland Ocean Terminal 280,000

Steel Piles at Ocean Gateway Pier (engineering) 100,000

Marine Total 410,000

Schools

PATHS Paving 450,000

Fire Alarm System at Portland High School 150,000

Windows at Deering High School 250,000

Oil Tanks Removal at Various School Buildings 100,000

Schools Total 950,000

Facilities Total **2,705,000**

B. 2016 CAPITAL PROJECTS - GENERAL FUND FINANCED

Parks, Fields, Trails

Parks, Fields, Trails

Payson Park Softball Field "A" - Amenity and Field Upgrades	200,000
Lyman Moore Sports Complex	275,000
Capisic Pond Improvements	565,000
Golf Course Rehabilitation	100,000

Parks, Fields, Trails Total 1,140,000

Parks, Fields, Trails Total 1,140,000

Equipment and Vehicles

Equipment

Communication System Replacement	7,000,000
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Equipment Total 7,000,000

Vehicles

30 Passenger Bus - School	50,000
Full Size Bus - School	90,000
7 Passenger Van - School	50,000
Medcu Ambulance Replacement - Fire	265,000
Police Cruisers (4) Replacement - Police	160,000
Ladder 1 Replacement - Fire	1,300,000
Bucket Truck Replacement - Forestry 5098	220,000

Vehicles Total 2,135,000

Equipment and Vehicles Total 9,135,000

GENERAL FUND FINANCED TOTAL 14,580,000

Public Art	73,000
Land Bank	73,000

GENERAL FUND FINANCED TOTAL 14,726,000

B. RECOMMENDED 2016 CAPITAL PROJECTS - SEWER FUND CASH

Equipment and Vehicles

Equipment

Wastewater Server 50,000

Equipment Total 50,000

Vehicles

3/4 Ton Extended Cab Pickup Replacement - Sewer 2513 40,000

Vehicles Total 40,000

Equipment and Vehicles Total **90,000**

Stormwater

Stormwater

Neighborhood Stormwater Drainage 200,000

Greenleaf Street Stormwater Facilities 85,000

Stormwater Total 285,000

Stormwater Total **285,000**

SEWER FUND CASH TOTAL **375,000**

B. 2016 CAPITAL PROJECTS - SEWER FUND FINANCED

Buildings/Garages

Water Resource Relocation	250,000
Buildings/Garages Total	250,000

Parks, Fields, Trails

Capisic Pond Improvements	560,000
Parks, Fields, Trails Total	560,000

Sewer

CMOM - Sewer System Renewal	1,100,000
CMOM - Pump Station Rehabilitation	670,000
Rowe Avenue Sewer Separation	210,000
Sewer Total	1,980,000

Stormwater

Stormwater Storage and Filtration Systems at Sagamore Village (Engineering)	120,000
Gravel Wetland Stormwater Treatment System in the Capisic Brook Watershed (Engineering)	175,000
Stormwater Total	295,000

Vehicles

Dump Truck Replacement - Public Services 3112	165,000
Dump Truck Replacement - Sewer 3110	165,000
Street Sweepers Replacement	175,000
CCTV Truck - NEW	415,000
Vehicles Total	920,000

SEWER FUND FINANCED TOTAL	4,005,000
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C. RECOMMENDED CAPITAL IMPROVEMENT PLAN - GENERAL FUND

	2016	2017	2018	2019	2020
<i>Transportation</i>					
<i>PACTS/Match</i>					
- MaineDOT Arterial Paving Riverside St (Brighton Av to Home Depot entrance) - ineligibles/system upgrades	-	-	-	-	-
- PACTS Regional Transportation Management Systems (RTMS) - Traffic Signals	100,000	100,000	100,000	100,000	-
- PACTS/Match GENERAL	-	1,974,700	3,075,000	320,000	-
<i>PACTS/Match Total</i>	<i>100,000</i>	<i>2,074,700</i>	<i>3,175,000</i>	<i>420,000</i>	<i>-</i>
<i>Streets/Sidewalks</i>					
- Paving Preservation and Rehabilitation	1,000,000	1,500,000	1,500,000	1,750,000	1,500,000
- Street Reconstruction	-	500,000	500,000	500,000	500,000
- Sidewalk Rehabilitation/Accessibility	500,000	700,000	850,000	850,000	850,000
- Streets/Sidewalks GENERAL	-	50,000	500,000	250,000	280,000
<i>Streets/Sidewalks Total</i>	<i>1,500,000</i>	<i>2,750,000</i>	<i>3,350,000</i>	<i>3,350,000</i>	<i>3,130,000</i>
<i>Traffic/Streetlights</i>					
- Traffic/Streetlights GENERAL	-	790,000	400,000	445,000	830,000
<i>Traffic/Streetlights Total</i>	<i>-</i>	<i>790,000</i>	<i>400,000</i>	<i>445,000</i>	<i>830,000</i>
Transportation Total	1,600,000	5,614,700	6,925,000	4,215,000	3,960,000

C. RECOMMENDED CAPITAL IMPROVEMENT PLAN - GENERAL FUND

	2016	2017	2018	2019	2020
<i>Facilities</i>					
<i>Buildings/Garages</i>					
- Ultra Violet Water Treatment System at Riverton Pool	50,000	-	-	-	-
- Roof Deck at Spring Street Parking Garage	500,000	720,000	-	-	-
- Bleachers at Ice Arena	100,000	-	-	-	-
- Fire Alarm & Sprinkler Systems at all Fire Stations	75,000	-	-	-	-
- Seating at Hadlock Field	190,000	-	-	-	-
- Library Roof Section	25,000	-	-	-	-
- Waterproof Decking Recoat at Temple Street Parking Garage	305,000	-	-	-	-
- Passenger Elevator at City Hall	100,000	-	-	-	-
- Peaks Island Exhaust Removal System	30,000	-	-	-	-
- Buildings/Garages GENERAL	-	1,105,000	915,000	2,000,000	1,150,000
<i>Buildings/Garages Total</i>	<i>1,375,000</i>	<i>1,825,000</i>	<i>915,000</i>	<i>2,000,000</i>	<i>1,150,000</i>
 <i>Marine</i>					
- Compass Park Pier Stabilization	30,000	350,000	-	-	-
- Steel Piles at Ocean Gateway Pier (engineering)	100,000	400,000	500,000	500,000	-
- Piles at Portland Ocean Terminal	280,000	-	-	-	-
- Marine GENERAL	-	-	-	325,000	155,000
<i>Marine Total</i>	<i>410,000</i>	<i>750,000</i>	<i>500,000</i>	<i>825,000</i>	<i>155,000</i>
 <i>Schools</i>					
- Windows at Deering High School	250,000	250,000	250,000	-	-
- Fire Alarm System at Portland High School	150,000	-	-	-	-
- Hall School Replacement (Engineering)	-	500,000	-	-	-
- Oil Tanks Removal at Various School Buildings	100,000	100,000	-	-	-
- PATHS Paving	450,000	-	-	-	-
- Schools GENERAL	-	2,100,000	1,000,000	4,580,000	560,000
<i>Schools Total</i>	<i>950,000</i>	<i>2,950,000</i>	<i>1,250,000</i>	<i>4,580,000</i>	<i>560,000</i>
Facilities Total	2,735,000	5,525,000	2,665,000	7,405,000	1,865,000

C. RECOMMENDED CAPITAL IMPROVEMENT PLAN - GENERAL FUND

	2016	2017	2018	2019	2020
<i>Parks, Fields, Trails</i>					
<i>Parks, Fields, Trails</i>					
- Complete Dead House Restoration	20,000	-	-	-	-
- Capisic Pond Improvements	565,000	-	-	-	-
- Western Promenade Walkways	50,000	-	-	-	-
- Golf Course Rehabilitation	100,000	100,000	100,000	100,000	100,000
- Lyman Moore Sports Complex	275,000	-	-	-	-
- Payson Park Softball Field "A" - Amenity and Field Upgrades	200,000	-	-	-	-
- Parks, Fields, Trails GENERAL	-	250,000	735,000	1,395,000	745,000
<i>Parks, Fields, Trails Total</i>	<i>1,210,000</i>	<i>350,000</i>	<i>835,000</i>	<i>1,495,000</i>	<i>845,000</i>
Parks, Fields, Trails Total	1,210,000	350,000	835,000	1,495,000	845,000
<i>Equipment and Vehicles</i>					
<i>Equipment</i>					
- Ticket Dispensers at Spring Street Parking Garage	45,000	-	-	-	-
- Communication System Replacement	7,000,000	-	-	-	-
- Virtualization, Storage and Redundancy Upgrade	65,000	75,000	55,000	-	-
- Phonemail System Replacement	45,000	-	-	-	-
- Ticket Dispenser at Elm Street Parking Garage	15,000	-	-	-	-
- Equipment GENERAL	-	720,000	605,000	-	-
<i>Equipment Total</i>	<i>7,170,000</i>	<i>795,000</i>	<i>660,000</i>	<i>-</i>	<i>-</i>

C. RECOMMENDED CAPITAL IMPROVEMENT PLAN - GENERAL FUND

	2016	2017	2018	2019	2020
Vehicles					
- 7 Passenger Van - School	50,000	-	-	-	-
- Rubbish Packer Replacement	-	265,000	265,000	265,000	265,000
- 1/2 Ton Pickup Replacement - Trades 2084	25,000	-	-	-	-
- Medcu Ambulance Replacement - Fire	265,000	265,000	265,000	265,000	265,000
- 1/2 Ton Truck Replacement - Forestry 2038	30,000	-	-	-	-
- Solid Waste Inspections Pickup Replacement - Solid Waste 2155	25,000	-	-	-	-
- 3/4 Ton Pickup Replacement - Solid Waste 2033	25,000	-	-	-	-
- Vehicle Replacement GENERAL	-	500,000	500,000	500,000	500,000
- 30 Passenger Bus - School	50,000	-	-	-	-
- Replace 1 Ton Stake Body - 4970 School Maintenance	50,000	-	-	-	-
- Replace Parking Enforcement Truck 2154	25,000	-	-	-	-
- Replace Pickup Riverside Golf 2017	30,000	-	-	-	-
- Sidewalk Tractors Replacement	-	145,000	290,000	145,000	145,000
- Bucket Truck Replacement - Forestry 5098	220,000	-	-	-	-
- Staff Car Replacement - Fire	40,000	-	-	-	-
- Compact Pickup Replacement - Barron Center 2209	20,000	-	-	-	-
- Police Cruisers (4) Replacement - Police	160,000	265,000	265,000	265,000	265,000
- Full Size Bus - School	90,000	90,000	135,000	135,000	135,000
- 1/2 Ton Pickup Replacement - Playgrounds 2188	40,000	-	-	-	-
- Ladder 1 Replacement - Fire	1,300,000	-	-	-	-
<i>Vehicles Total</i>	<i>2,445,000</i>	<i>1,530,000</i>	<i>1,720,000</i>	<i>1,575,000</i>	<i>1,575,000</i>
Equipment and Vehicles Total	9,615,000	2,325,000	2,380,000	1,575,000	1,575,000
General Fund Capital Funding Total	15,160,000	13,814,700	12,805,000	14,690,000	8,245,000
Public Art	73,000	61,000	57,000	69,000	37,000
Land Bank	73,000	61,000	57,000	69,000	37,000
General Fund Capital Funding Grand Total	15,306,000	13,936,700	12,919,000	14,828,000	8,319,000

C. RECOMMENDED CAPITAL IMPROVEMENT PLAN - SEWER FUND

	2016	2017	2018	2019	2020
Buildings/Garages					
Water Resource Relocation	250,000	-	-	-	-
Buildings/Garages Total	250,000	-	-	-	-
Equipment					
Wastewater Server	50,000	-	-	-	-
Equipment Total	50,000	-	-	-	-
Sewer					
CMOM - Pump Station Rehabilitation	670,000	1,100,000	670,000	670,000	670,000
CMOM - Sewer System Renewal	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
Sewer Replacement - Somerset Street Extension	-	300,000	-	-	-
USM Roundabout Sewer Separation	-	400,000	-	-	-
Rowe Avenue Sewer Separation	210,000	-	-	-	-
Sewer Total	1,980,000	2,900,000	1,770,000	1,770,000	1,770,000
Stormwater					
Neighborhood Stormwater Drainage	200,000	200,000	200,000	200,000	200,000
Stormwater Retrofits on Riverside Street	-	-	-	185,000	-
Canco Road Storm Drain	-	580,000	-	-	-
Warren Ave Storm Drain - 517 Warren Ave to 659 Warren Ave	-	750,000	-	-	-
Greenleaf Street Stormwater Facilities	85,000	-	-	-	-
Stormwater Storage and Filtration Systems at Sagamore Village (Engineering)	120,000	1,245,000	-	-	-
Gravel Wetland Stormwater Treatment System in the Capisic Brook Watershed (Engineering)	175,000	2,000,000	-	-	-
Stormwater Total	580,000	4,775,000	200,000	385,000	200,000

C. RECOMMENDED CAPITAL IMPROVEMENT PLAN - SEWER FUND

	2016	2017	2018	2019	2020
Vehicles					
Replace Stormwater Staff Car	-	-	-	-	25,000
Street Sweepers Replacement	175,000	175,000	235,000	175,000	175,000
TV Truck Replacement - Sewer 2516	-	-	250,000	-	-
1 Ton Crew Cab Pickup Replacement - Sewer 2511	-	40,000	-	-	-
3/4 Ton Extended Cab Pickup Replacement - Sewer 2513	40,000	-	-	-	-
Dump Truck Replacement - Sewer 3110	165,000	-	-	-	-
Dump Truck Replacement - Public Services 3112	165,000	-	-	-	-
Catch Basin Cleaning Vehicle Replacement - Sewer 3127	-	170,000	-	-	-
CCTV Truck - NEW	415,000	-	-	-	-
Vehicles Total	960,000	385,000	485,000	175,000	200,000
Parks, Fields, Trails					
Capisic Pond Improvements	560,000	-	-	-	-
Parks, Fields, Trails Total	560,000	-	-	-	-
CSO					
CSO - Close CSO #42 and #43	-	2,000,000	-	-	-
CSO Total	-	2,000,000	-	-	-
Grand Total	4,380,000	10,060,000	2,455,000	2,330,000	2,170,000

D. DEBT STRATEGY - CAPITAL PROJECT PLANNING WORKSHEET - GENERAL FUND

	FY15 auth.	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27
Funding Proposed													
Capital Maintenance Borrowing	12,634,000	13,716,000	12,641,700	11,984,000	14,283,000	7,819,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
Projected GF Debt Service Est.	25,324,591	26,062,327	27,282,867	27,942,702	29,109,647	30,019,024	30,993,315	32,361,784	33,571,739	34,801,913	36,138,197	37,292,809	14,994,495
<i>increase from prior year</i>	<i>1,682,449</i>	<i>737,736</i>	<i>1,220,540</i>	<i>659,835</i>	<i>1,166,945</i>	<i>909,377</i>	<i>974,291</i>	<i>1,368,469</i>	<i>1,209,954</i>	<i>1,230,175</i>	<i>1,336,284</i>	<i>1,154,612</i>	<i>(22,298,314)</i>
Projected GF Debt Service Est. (less POB)	13,977,595	13,986,992	14,431,204	14,267,850	14,561,766	14,546,627	14,544,604	14,875,989	14,986,339	15,049,420	15,148,380	14,994,920	14,994,495
<i>increase from prior year</i>	<i>991,448</i>	<i>9,397</i>	<i>444,212</i>	<i>(163,354)</i>	<i>293,916</i>	<i>(15,140)</i>	<i>(2,022)</i>	<i>331,385</i>	<i>110,349</i>	<i>63,082</i>	<i>98,960</i>	<i>(153,460)</i>	<i>(425)</i>
Projected Debt Service Available		(737,736)	(1,958,276)	(2,618,112)	(3,785,057)	(4,694,433)	(5,668,725)	(7,037,194)	(8,247,148)	(9,477,323)	(10,813,606)	(11,968,218)	10,330,096
<i>Projected FY15 Comparative Est. Tax Rate Increase</i>	<i>-</i>	<i>0.10</i>	<i>0.25</i>	<i>0.33</i>	<i>0.47</i>	<i>0.58</i>	<i>0.70</i>	<i>0.86</i>	<i>0.99</i>	<i>1.13</i>	<i>1.28</i>	<i>1.40</i>	<i>(1.20)</i>

Potential CIP Major Project	SELECT YEAR
Elementary Schools	18
Public Services Relocation	17
Congress Square Re-Design	24
Franklin Street Redesign	23
Libbytown	22
Spring Street	25
Bayside Transportation	25
State St & High St	25
Forest Avenue	21

WORKING DOCUMENT

Total Potential Projects	-	6,000,000	11,257,319	15,339,060	12,337,789	12,683,505	2,600,000	1,500,000	7,000,000	5,370,000	5,000,000	1,000,000	
Potential GF Debt Service Est.	25,324,591	26,062,327	27,282,867	28,512,702	30,722,093	32,999,193	34,968,694	37,329,954	38,514,579	39,716,664	41,555,458	42,939,605	20,840,851
<i>increase from prior year</i>	<i>1,682,449</i>	<i>737,736</i>	<i>1,220,540</i>	<i>1,229,835</i>	<i>2,209,390</i>	<i>2,277,101</i>	<i>1,969,501</i>	<i>2,361,260</i>	<i>1,184,625</i>	<i>1,202,085</i>	<i>1,838,794</i>	<i>1,384,147</i>	<i>(22,098,754)</i>
Potential GF Debt Service Est. (less POB)	13,977,595	13,986,992	14,431,204	14,837,850	16,174,212	17,526,796	18,519,983	19,844,159	19,929,179	19,964,171	20,565,641	20,641,716	20,840,851
<i>increase from prior year</i>	<i>991,448</i>	<i>9,397</i>	<i>444,212</i>	<i>406,646</i>	<i>1,336,361</i>	<i>1,352,584</i>	<i>993,187</i>	<i>1,324,176</i>	<i>85,020</i>	<i>34,992</i>	<i>601,470</i>	<i>76,075</i>	<i>199,135</i>
Potential Debt Service Available	-	(737,736)	(1,958,276)	(3,188,112)	(5,397,502)	(7,674,602)	(9,644,103)	(12,005,363)	(13,189,988)	(14,392,073)	(16,230,867)	(17,615,014)	4,483,740
FY15 Comparative Est. Tax Rate Increase (mil rate)	0.10	0.25	0.40	0.68	0.95	1.19	1.46	1.59	1.72	1.92	2.06	(0.52)	
<i>Comparative Tax Rate Increase (% from \$20 per 1,000 of value)</i>	<i>0.5%</i>	<i>1.3%</i>	<i>2.0%</i>	<i>3.4%</i>	<i>4.8%</i>	<i>5.9%</i>	<i>7.3%</i>	<i>7.9%</i>	<i>8.6%</i>	<i>9.6%</i>	<i>10.3%</i>	<i>-2.6%</i>	
Prior Year Est. Tax Rate Increase (mil rate)	0.10	0.16	0.16	0.28	0.28	0.24	0.29	0.14	0.14	0.22	0.16	(2.56)	
Project Tax Rate Increase (mil rate)	-	0.07	0.20	0.37	0.49	0.60	0.60	0.59	0.64	0.66	0.68		

Project Title **ID** 141539 **Request Year** 2016

Communication System Replacement

Fire Department

Division Dispatch Services

Classification Information Technology

Project Description

Update or Replace Radio System

Project Justification

Our current public safety communication system, which serves the public safety answering point (911), Police, Fire, Public Services, and Public Schools, is reaching the end of its life expectancy and some of the major components are no longer supported by Motorola. The costs to upgrade to their next generation system are reflected in the estimates entered in 2015.

Because this will be a significant expense, we contracted a system specialist to help us prepare and evaluate an RFP for a system upgrade or replacement. The consultant's findings will assist with establishing timeline, project implementation phases and the costs associated with each phase.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$9,000,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$9,000,000	\$7,000,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$9,000,000	\$7,000,000	

Other Funding Source Description

Operating Budget Impact

The savings associated with this might be in reduced maintenance costs.

Project Title ID 152415 **Request Year** 2016

Fire Alarm & Sprinkler Systems at all Fire Stations

Fire Department

Division Building Maintenance

Classification Facilities

Project Description

Install complete fire sprinkler & fire alarm systems throughout each of the 8 existing fire stations.

Project Justification

To bring our buildings into compliance with all applicable City and State codes.

Page 338 of the Performance and Management Study of the Portland Fire Department, prepared by Public Safety Solutions, Inc.: "Ensuring that all fire department facilities comply with all legal, health, safety, building, and fire code requirements. Ensuring that work sites have adequate fire and life safety protection systems in place such as smoke detectors, fire alarm systems, carbon monoxide detectors, and automatic sprinkler system."

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$52,000		\$690,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$742,000	\$75,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$742,000	\$75,000	

Other Funding Source Description

There may be grant funding available for this, however not guaranteed, and there may also be a local match portion that would need to be considered.

Operating Budget Impact

We have submitted an Assistance to Firefighters Grant (AFG) application for this project, but funding has not been secured.

Project Title ID 152496 **Request Year** 2016

Peaks Island Exhaust Removal System

Fire Department

Division Building Maintenance

Classification Facilities

Project Description

Install Plymovent vehicle exhaust system at Peaks Island Station.

Project Justification

Health and safety of Police and Fire personnel assigned to work at the station.

Priority item needed to comply with applicable health and safety standards.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$30,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$30,000	\$30,000	Capital
2017				
2018				
2019				
2020				
Total		\$30,000	\$30,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 14907 **Request Year** 2016

Phonemail System Replacement

Information Technology

Division

Classification Information Technology

Project Description

This project increase mail box capacity, allow ability to send voicemail to email as well as provide caller ID functionality.

Project Justification

The City's voicemail system is 20 years old, capacity is low resulting in mailboxes filling up. There are many requests for voicemail to be sent to email, and also caller ID.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$45,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$45,000	\$45,000	Capital
2017				
2018				
2019				
2020				
Total		\$45,000	\$45,000	

Other Funding Source Description

Operating Budget Impact

It is expected that this project will improve productivity.

Project Title ID 141596 **Request Year** 2016

Virtualization, Storage and Redundancy Upgrade

Information Technology

Division

Classification Information Technology

Project Description

This Green initiative will increase energy efficiency by reducing the number of servers we rely on and operate. This is an IT best practice for backup and recovery and it will improve data protection, systems performance, reduce down time when systems fail. This will provide us with a disk-based storage solution which will help us to improve our data protection process in many ways. It will replace much of the aging hardware by allowing us to consolidate its systems into a virtual infrastructure running either Hyper-V or Vmware. Although it will not eliminate tape reliance, but it will reduce our reliance on tape which will increase backup performance, reliability and restoration if necessary.

Project Justification

Justification for Storage/virtualization is that the current inventory of the City's main server farm of Servers is at or exceeding the 5 year life span of Server machines. This includes replacing current servers at City Hall and the Police Department server locations with nine virtualized based machines. This is an effort to reduce the footprint of individual servers by logical grouping in an effort to decrease server hardware reliance, improve reliability, redundancy and scalability of applications and data, ease the A/C demands in the data center, therefore improve energy efficiency, improve operational efficiency (ability to add servers and applications on the fly), increase the density of the virtual environment, increase "Up Time" for critical applications. This will decrease tape reliance, improve/decrease backup windows, improve reliability, improve the speed and ease of restores, replicate off site.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$260,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2015		\$65,000	\$65,000	
2016		\$65,000	\$65,000	Capital
2017		\$75,000		
2018		\$55,000		
2019				
2020				
Total		\$260,000	\$130,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141282 **Request Year** 2016

Roof Deck at Spring Street Parking Garage

Parking / Garages

Division Spring Street Garage

Classification Facilities

Project Description

This project includes the removal of existing pavement, repavings, and applying a waterproofing membrane. During the process repairing any concrete damage will be completed as well.

Project Justification

The existing pavement and waterproofing membrane on the roof are 19 years old. Water leaks through the deck causing rusting of rebar and spalling of the concrete which weaken the structure of the deck. Delaying the project will result in further damage to the structure and added cost.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,100,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$1,100,000	\$500,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$1,100,000	\$500,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141287 **Request Year** 2016

Waterproof Decking Recoat at Temple Street Parking Garage

Parking / Garages

Division Temple Street Garage

Classification Facilities

Project Description

This project is to recoat the Temple Street Garage with a waterproof membrane

Project Justification

The existing coating has begun to fail as noted in the condition appraisal

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$305,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$305,000	\$305,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$305,000	\$305,000	

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141288 **Request Year** 2016

Ticket Dispensers at Spring Street Parking Garage

Parking / Garages

Division Spring Street Garage

Classification Stationary Equipment

Project Description

The project is to replace ticket dispensers with new dispensers

Project Justification

The existing ticket dispensers will be over 15 years old in 2016 and nearing the end of their useful life when this request is funded

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$45,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$45,000	\$45,000	Capital
2017				
2018				
2019				
2020				
Total		\$45,000	\$45,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141289 **Request Year** 2016

Ticket Dispenser at Elm Street Parking Garage

Parking / Garages

Division Elm Street Garage

Classification Stationary Equipment

Project Description

The project is to replace the existing ticket dispensers with new ticket dispensers.

Project Justification

The existing ticket dispenser will be over 15 years old in 2016 and near the end of their useful life when this request is funded.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$15,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$15,000	\$15,000	Capital
2017				
2018				
2019				
2020				
Total		\$15,000	\$15,000	

Other Funding Source Description

Operating Budget Impact

Project Title/Desc

Library Roof Replacement

Project Justification

The flat roof over mechanical room 203 is an original roof from the 1979 project and needs to be replaced. In heavy rains the water pools on the roof and leaks through seams along the edges, flooding ceilings on the main level. Attempts to repair the leaks have been marginally successful and are temporary.

Operating Budget Impact

Replacement of the roof will eliminate maintenance labor and materials being used to continually replace ceiling tiles, and continuing efforts to patch the leak. It will also stop the need to close off areas of the children's room due to leaks.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$25,000		\$25,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested</u>
2016	\$0	\$25,000
2017		
2018		
2019		
2020		

Project Title ID 141013 **Request Year** 2016

Paving Preservation and Rehabilitation



Public Services

Division Engineering

Classification Streets

Project Description

Preservation and rehab including combination of treatments ranging from crack sealing and preservation overlays to milling and resurfacing throughout the city. Scope of work also includes improvements to storm and sanitary structures, installation/improvement to handicap access, and other existing infrastructure. A reinventory the pavement conditions city-wide was completed in late fall of 2014 and results from that are being processed for an updated status.

Project Justification

Our recent streets inventory concluded that nearly 31% of the City's roadways are in poor to failed condition. The cost to maintain a road in this condition will be four to six times higher than a road that is in good or better condition. We need to maintain the roads that are in good condition while providing upgrades to those in poor condition. Maintaining an adequate roadway system is essential to support transportation including vehicular, transit, pedestrian, and bicycle traffic throughout the city.

Keeping more streets in a good condition greatly reduces the annual maintenance costs city wide and also reduces hours needed to address concerns from residents/business regarding poor street condition.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$26,750,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2013		\$4,000,000	\$2,500,000	
2014		\$4,000,000	\$2,500,000	
2015		\$4,000,000	\$1,750,000	
2016		\$4,000,000	\$1,000,000	Borrowed
2017		\$4,000,000		
2018		\$4,000,000		
2019		\$4,000,000		
2020		\$4,000,000		
Total		\$32,000,000	\$7,750,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141030 **Request Year** 2016

Sidewalk Rehabilitation/Accessibility

Public Services

Division Engineering

Classification Sidewalks

Project Description

District Allocation: \$500k/yr (\$100k/district)

Economic Development/PDD: \$100k/yr

Arterial/Collector Pedestrian Accessibility/Safety: \$100k/yr

Adjust funding upwards beginning in FY18.

District Allocation: \$600k/yr (\$120k/district)

Economic Development/PDD: \$125k/yr

Project Justification

Maintaining accessibility along sidewalks and across public streets is a federal regulation (ADA). Project is necessary to meet current state or federal requirements; Project advances more than one policy of a Council adopted plan (Complete Streets and Comp Plan.)

A portion of the sidewalk funding is recommended to address high priorities identified as part of Safe Routes to School planning. Regular repair to hazards and ongoing maintenance will prevent numerous required 'fixes' that now are funded via the operating budget.

DPS planning for 2013 Sidewalk CIP program identified over \$5M in priority needs (see attached).

Newly completed sidewalk inventory and assessment completed and integrated within the city's GIS.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$600,000		\$5,450,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2013		\$700,000	\$700,000	
2014		\$700,000	\$700,000	
2015		\$850,000	\$700,000	
2016		\$700,000	\$500,000	Borrowed
2017		\$700,000		
2018		\$850,000		
2019		\$850,000		
2020		\$850,000		
Total		\$6,200,000	\$2,600,000	

Other Funding Source Description

Operating Budget Impact

Some sidewalk segments may be added to winter sidewalk plow routes and marginally increase operating costs. Rehabilitation of sidewalks in poor condition will reduce operating costs related to sidewalk repair by Districting crews.

Project Title ID 141714 **Request Year** 2016

Western Promenade Walkways

Public Services

Division Administration

Classification Parks, Fields, Trails

Project Description

Completes the reconstruction of the walkways on Western Promenade.

Project Justification

The walks in this park are in very poor condition and needs to be repaired for public safety purposes.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$51,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$51,000	\$51,000	Capital
2017				
2018				
2019				
2020				
Total		\$51,000	\$51,000	

Other Funding Source Description

Operating Budget Impact

The Department has received regular complaints over the condition of the walkways within the Western Prom park area. This project would provide funding for the design and construction of those improvements following historic preservation guidelines

Project Title ID 141740 **Request Year** 2016

PACTS Regional Transportation Management Systems (RTMS) - Traffic Signals

Public Services

Division Traffic

Classification Stationary Equipment

Project Description

Local support to augment PACTS UPWP funding for regional transportation system upgrades. Includes money for new equipment and especially improved communications. Anticipate requiring approximately \$100,000 to \$175,000 per year, which includes PACTS funding. In FY16 a PACTS 16-18 TIP application for work on Congress Street was awarded for a total of \$330,000, of which the City will provide a \$82,500 match.

The FY16 funding request is for component and communications upgrades for the intersections of Congress/India, Congress/Washington, and Washington/Cumberland. The equipment is generally out of date, and in some cases, begun to

Project Justification

The City of Portland has partnered with PACTS, as well as the Cities of Westbrook, South Portland, Biddford, Saco and the Town of Scarborough to oversee the deployment of transportation management systems for the more efficient flow of traffic and improved detection for all modes along the City's major travel corridors. Work to date has included upgrades along Riverside Street, Brighton Avenue and Forest Avenue, and expected in 2015, portions of Washington Avenue and Auburn Street.

Significant work remains to be done along Congress Street on the downtown peninsula, Forest Avenue in the Parkside area, as well as portions of Washington Avenue, Cumberland Avenue, and State and High streets. One of the top priorities will be to provide improved fiber-optic connections so that up-to-date communications can be achieved at Traffic Operations (currently

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$150,000			\$1,173,770	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2014	\$22,000	\$78,000	\$80,000	
2015	\$22,000	\$167,000	\$165,000	
2016	\$269,500	\$277,270	\$100,000	Borrowed
2017	\$22,000	\$100,000		
2018	\$22,000	\$100,000		
2019	\$22,000	\$100,000		
2020	\$22,000	\$100,000		
Total	\$401,500	\$922,270	\$345,000	

Other Funding Source Description

\$22,000 annually. Other funding source is anticipated PACTS RTMS funding via UPWP Program, as discussed with Carl Eppich of PACTS on November 19, 2012. FY16 reflects an additional \$247,500 that has been awarded in the PACTS 16-18 TIP, requiring \$82,500 in Local Match.

Operating Budget Impact

This funding will help to supplement the limited money from PACTS and MaineDOT for RTMS upgrades, as well as reducing the strain on the capital available for City signal equipment.

Project Title ID 163027 **Request Year** 2016

Complete Dead House Restoration

Public Services

Division Cemetery

Classification Parks, Fields, Trails

Project Description

In FY15 we received funding to begin restoration of the Victorian Tool Shed aka Dead House at Eastern Cemetery. Additional funds will be required to replace siding, windows, double door and to add a step into the building due to the height of the concrete slab. Aaron Shields estimates cost for this work to be \$18,000.

Project Justification

Complete project begun in FY15.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$18,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$18,000	\$18,000	Capital
2017				
2018				
2019				
2020				
Total		\$18,000	\$18,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141334 **Request Year** 2016

Seating at Hadlock Field

Recreation and Facilities

Division Hadlock Field

Classification Facilities

Project Description

Replace all of the stadium Box seats only.

Project Justification

The current box seats were installed in 1995, They are sun damaged and becoming brittle. This is both an aesthetic and safety concern.

On a recent walk thru of the stadium the Seadogs personal pointed out many safety concerns where seats were not fastened to the frame. Over the years the plastic has expanded and contracted,so that the threaded inserts that hold the units together are loose or non existient.

Springs are broke on the seats which can be a safety concern for an emergency or just trying to get out of the way of a foul ball. The seats are designed to always be in the up position when not in use. Many of the seats no longer do that.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$380,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2015		\$190,000		
2016		\$190,000	\$190,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$380,000	\$190,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141340 **Request Year** 2016

Passenger Elevator at City Hall

Recreation and Facilities

Division City Hall

Classification Facilities

Project Description

Replace the ropes on the passenger elevator.

Project Justification

The passenger elevator is approaching the time when all of the cables need to be replaced. This is extensive work and would require the passenger elevator to be taken out of service during this process. This process happens rarely and most often the cables can be shortened and extend the life.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$100,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$100,000	\$100,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$100,000	\$100,000	

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141347 **Request Year** 2016

Lyman Moore Sports Complex

Recreation and Facilities

Division Athletic Facilities

Classification Parks, Fields, Trails

Project Description

Renovate old sports complex at Lyman Moore School.

Project Justification

Plan would call for baseball/Softball Fields to moved out to the corners of the complex allowing for more rectangle fields (soccer, football, field hockey etc) . Currently there is no drainage or irrigation making it difficult to maintain healthy turf grass. Old field designs limit use of the large area. Older baseball fields are very uneven and the field hockey field is constantly wet from poor drainage.

Improvements to this facility were recommended by the Athletic Facilities Task Force.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$275,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$275,000	\$275,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$275,000	\$275,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141356 **Request Year** 2016

Ultra Violet Water Treatment System at Riverton Pool

Recreation and Facilities

Division Aquatics

Classification Facilities

Project Description

Installation of an ultra violet light supplemental treatment system for the Riverton Pool.

Project Justification

The installation of an ultra violet light supplemental treatment system will:
Reduce chlorine usage by a reported 2 ppm which lessens the chemical load on the pool and expose to swimmers.
Reduce / eliminate chloramines which are an irritant to swimmers and spectators
There have been air quality complaints from swimmers during the pools' most intense use

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$50,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$50,000	\$50,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$50,000	\$50,000	

Other Funding Source Description

Operating Budget Impact

Reduce water heating and consumption by performing fewer backwashes of the filtration system
Reduce HVAC costs by bringing in less outside air seasonally

Project Title ID 141363 **Request Year** 2016

Bleachers at Ice Arena

Recreation and Facilities

Division Ice Arena

Classification Facilities

Project Description

To remove 30+ year old wooden bleachers and replace with new aluminum structure with plastic bench.

Project Justification

The current bleachers are 30+ years old. Ample code violations are present and are dangerous. In addition, the support brackets and structure show signs of wear more than half way through. I have contacted Hussy Seating and walked the bleachers. They have provided a cost estimate to repair them for 6890.00. They will guarantee a 5 yr with an annual maintenance contract.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$100,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$100,000	\$100,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$100,000	\$100,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141775 **Request Year** 2016

Piles at Portland Ocean Terminal

Recreation and Facilities

Division Waterfront

Classification Marine (i.e., piers)

Project Description

FY15 Timber survey and structural assessment. Survey approximately 400 piles, chalks whales and cross bracing. Records indicate this was last done 10 years ago.

FY16 BLDG STRUCTURAL - Repair/replace 30 structural timber bents. Replace exterior 6' by 12" stringer and wood decking waterproof and add drip edge.

MSP WOODEN DOCK/ROADWAY - Remove existing rottened timber, repair pile caps, remove railroad track, replace minimum

Project Justification

BLDG STRUCTURAL - West side of building bents have rottened and most are salvagable at this time. The outside line of bents/piles carries the exterior wall and is need of repair.

A recent 15 yr lease has been signed with Shucks. Shucks will need to do some additional pile work to support a piece of their equipment. It would make good sense to do this work in conjunction with Shucks. Sink holes within this space is not going to be acceptable.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$30,000		\$250,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$280,000	\$280,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$280,000	\$280,000	

Other Funding Source Description

Operating Budget Impact

These businesses run 16-24 hrs daily. Any inconvenience to that could be costly to the city.

Project Title ID 141788 **Request Year** 2016

Steel Piles at Ocean Gateway Pier

Recreation and Facilities

Division Waterfront

Classification Marine (i.e., piers)

Project Description

Steel Pier Maintenance

Project Justification

Approx. 900 piles are in need of grinding and having a coating applied to them. The top 6' of these piles are showing signs of rusting and decay. Maintaining these piles is adamant due to their proximity of being located under the pier with no access to replace them.

If these piles fail, the repair would be to drive sheet pile and fill with concrete. I've been told from Tec Assoc this would be in the 5 million dollar range to replace piles with sheet pile.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,500,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$500,000	\$100,000	Borrowed
2017		\$500,000		
2018		\$500,000		
2019				
2020				
Total		\$1,500,000	\$100,000	

Other Funding Source Description

Operating Budget Impact

Future pile replacement could average 15k each. Future ferry service will use this pier.

Project Title ID 152328 **Request Year** 2016

Compass Park Pier Stabilization

Recreation and Facilities

Division Waterfront

Classification Marine (i.e., piers)

Project Description

Pier Stabilization

Project Justification

This pier got renovated approx 25yrs ago. Sway/ cross bracing, wales, chocks piles need replacing. With vehicle traffic on this pier this needs to be considered soon.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$30,000		\$350,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$30,000	\$30,000	Borrowed
2017		\$350,000		
2018				
2019				
2020				
Total		\$380,000	\$30,000	

Other Funding Source Description

Grant funds are available for the engineering as well as a portion of the construction costs.

Operating Budget Impact

Project Title ID 152490 **Request Year** 2016

Payson Park Softball Field "A" - Amenity and Field Upgrades

Recreation and Facilities

Division Athletic Facilities

Classification Parks, Fields, Trails

Project Description

The Office of Civil Rights through the U.S. Department of Education found Title IX issues with the field and through a deal with the Portland School System it was decided we need to make upgrades to the field, bleachers, locker rooms, storage and smaller items.

Project Justification

The City manager agreed to recommend this project for funding as part of an agreement with the Office of Civil Rights. (see attached letter)

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$390,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2015		\$200,000		
2016		\$200,000	\$200,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$400,000	\$200,000	

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 152491 **Request Year** 2016

Golf Course Rehabilitation

Recreation and Facilities

Division Golf Course

Classification Parks, Fields, Trails

Project Description

Assess current course conditions, engineer improvements, and formulate a 5-10 year capital improvement plan, to address the need for leveling and relocation of tees, the construction/relocation of forward tees, the leveling of uneven fairways, location of cart paths, and addressing drainage issues.

Project Justification

Tees are in their original shape and form and many are uneven. Some tees need to be realigned and new forward tees need to be constructed. The course is built on heavy clay soils and poor drainage has been a significant ongoing issue. Much of the drainage system has failed. Over the years there has been significant heaving with frost/thaw cycle which has created an uneven surface on fairways. Wet conditions impact turf health, and disrupt play and daily maintenance. A significant factor in developing the master plan will be the efficient maintenance of the course.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$450,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$100,000	\$100,000	Borrowed
2017		\$100,000		
2018		\$100,000		
2019		\$100,000		
2020		\$100,000		
Total		\$500,000	\$100,000	

Other Funding Source Description

Operating Budget Impact

Improved drainage will help maintain turf health, which in turn helps minimize the use of water and pesticides. Addressing wet conditions, bumpy fairways and cart path issues should also increase play.

Project Title ID 141621 **Request Year** 2016

Windows at Deering High School

School Department

Division School Maintenance

Classification Facilities

Project Description

Replace double hung windows with single hung

Project Justification

Current windows have gaps and are unsafe. These widows are large and heavy. There inefficient most have been screwed shut due to them being blown open. The mechanisms that secure them have failed. A double pane single hung window resolves these matters.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$500,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$500,000	\$500,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$500,000	\$500,000	

Other Funding Source Description

Operating Budget Impact

Reduces utility costs and injuries.

Project Title ID 152268 **Request Year** 2015

PATHS Paving

School Department

Division School Maintenance

Classification Streets

Project Description

Repair roadway and parking lots

Project Justification

Roadway is breaking up, parking lots have many sink holes and tripping hazards

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$500,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2015				
2016		\$500,000	\$500,000	Borrowed
2017				
2018				
2019				
Total		\$500,000	\$500,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 163137 **Request Year** 2016

Replace Fire Alarm System at Portland High School

School Department

Division School Maintenance

Classification Facilities

Project Description

The current equipment is no longer being manufactured. A panel failed recently and the only source was ebay. The system is obsolete and must be replaced with equipment that meets building codes.

Project Justification

This is a Life Safety issue.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$150,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$150,000	\$150,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$150,000	\$150,000	

Other Funding Source Description

Operating Budget Impact

None

Project Title ID 163138 **Request Year** 2016

Remove Oil Tanks at Various School Buildings

School Department

Division School Maintenance

Classification Facilities

Project Description

There are 8 underground fuel tanks which need to be removed

Project Justification

The fuel tanks are beyond their State mandated removal date.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$250,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$250,000	\$100,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$250,000	\$100,000	

Other Funding Source Description

Operating Budget Impact

Avoidance of potential fines

Project Title ID 141052 **Request Year** 2016
 Stormwater Storage and Filtration Systems at Sagamore Village

Sewer Fund

Division Stormwater

Classification Wastewater

Project Description

Install two underground storage and filtration systems and associated diversion structures in the vicinity of Sagamore Village.

Project Justification

This project is a recommendation of the Capisic Brook Watershed Management Plan. The two storage and filtration systems would treat stormwater runoff from a drainage area of 42 AC of mainly residential property (housing, lawns, streets, & driveways). The drainage area is about 40% impervious, far exceeding the 11% threshold for a healthy watershed. The Maine Dept of Environmental Protection has determined that Capisic Brook does not meet its designated water quality classification (Class C). The City, under the Clean Water Act, is obligated to take steps to restore water quality in this Urban Impaired Stream (UIS) watershed. The Capisic Brook Watershed Management Plan was funded in large part by the US EPA and Maine DEP to help the City chart a path for restoring water quality in the brook.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$120,000		\$1,246,060		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$120,000	\$120,000	Borrowed
2017		\$1,246,060		
2018				
2019				
2020				
Total		\$1,366,060	\$120,000	

Other Funding Source Description

Operating Budget Impact

CMOM - Sewer System Renewal

Sewer Fund

Division Sewer

Classification Wastewater

Project Description

Project involves engineering and construction of replacement/upgrades of priority sanitary sewers throughout the City's sewer network of over 200 miles of sewer lines, that require replacement, relining or upgrade as recommended by the outside consulting report on condition assessment of the sewer infrastructure.

FY16 projects currently planned but may be revised due to approved funding amounts are as follows:

1. Fore St - India to Mountfort. Sewer and Storm Replacement/Installation due to SSO's, sags, cracks and roots. PWD planning on doing water renewal as well.
2. India St - Commercial to Fore St Sewer and Storm Replacement/Installation due to SSO's, sags, cracks and roots. PWD

Project Justification

The City of Portland has an aging sewer infrastructure with some sewer lines reaching over 100 years in age. While we have highly invested in upgrading and eliminating CSO's, funding in past several years has been limited to support a basic service level for sewer cleaning and repairs, less preventive and more emergency response to sewer line needs. This has resulted in the occasional sewer line backups or collapses that need to be upgraded or replaced. As a result of staff reports to the Department of Environmental Protection (DEP), on dry weather and wet weather sanitary sewer overflows, (SSO's), EPA issued an Administrative Order on September 27, 2012 due the Agencies view that the City violated the Clean Water Act and is subject to penalties and further mandates. See Attached. The mandates require that the City enter into a CMOM program. CMOM stands for Capacity, Management, Operations, and Maintenance Assessment. The program follows a 2012-2013 condition

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$650,000		\$5,850,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2014		\$1,000,000	\$1,000,000	
2015		\$1,100,000	\$1,100,000	
2016		\$1,100,000	\$1,100,000	Borrowed
2017		\$1,100,000		
2018		\$1,100,000		
2019		\$1,100,000		
2020				
Total		\$6,500,000	\$3,200,000	

Other Funding Source Description

Operating Budget Impact

Staff is anticipating that as a result of an enhanced sewer preventive maintenance program and regular preventive maintenance, the Department will avoid unanticipated sewer line collapses that can cost anywhere from \$40,000-\$250,000 depending upon

Project Title ID 141794 **Request Year** 2016

Neighborhood Stormwater Drainage

Sewer Fund

Division Stormwater

Classification Streets

Project Description

The project would involve the design and construction of added storm drainage piping, catch basins and other improvements addressing neighborhood street and property flooding issues. Project funds would be used within public rights of way, and within private property affecting public right of way, where existing drainage systems are inadequate.

Project Justification

The project funds would address on going complaints about drainage system deficiencies within the City's storm drainage system and addresses neighborhood issues that the Department receives request to correct from residents, City Councilors and or staff. The proposed storm water utility program if adopted would fund improvements and system corrections on a sustained basis.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,000,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2019		\$200,000		
2020		\$200,000		
2016		\$200,000	\$200,000	Capital
2017		\$200,000		
2018		\$200,000		
Total		\$1,000,000	\$200,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 152329 **Request Year** 2016

Gravel Wetland Stormwater Treatment System in the Capisic Brook Watershed

Sewer Fund

Division Stormwater

Classification Wastewater

Project Description

This project was developed under the Capisic Brook Watershed Management Plan and is designed to provide stormwater treatment and stream flow management for about 48 AC of impervious area within the north tributary catchment area of Capisic Brook. The project would consist of a series of gravel wetland treatment cells adjacent Capisic Brook on undeveloped land just north of Warren Avenue. Gravel wetlands are known to provide exceptional water quality treatment including nutrient (ie.: Nitrogen) removal. The "gravel wetlands park" concept provides the opportunity to create a stormwater treatment system and educational/recreational amenity, since it would be located near exiting open space currently enjoyed by Portland residents and the Portland Trails network. The project is divided into two steps, the first being land acquisition and

Project Justification

Capisic Brook does not meet State water quality standards and has been designated as an Urban Impaired Stream. Citing the link between developed land (i.e.: impervious area) and water quality impairment, the State developed an Impervious Cover TMDL for Capisic Brook that sets targets for reducing the impacts of stormwater runoff from developed areas. Under the Clean Water Act the City is required to develop and implement a plan for mitigating the impacts of stormwater runoff and restoring water quality in the brook. The Capisic Brook Watershed Management Plan was approved by the Maine Department of Environmental Protection and adopted by the City in December of 2012. This project, recommended in the Watershed Management Plan, is designed to improve water quality in the brook and manage stream flow in the upper portion of the watershed, which will benefit the entire watershed. Construction of this project, as part of the overall implementation of the

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$175,000	\$1,000,000	\$2,000,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2015		\$1,000,000	\$1,000,000	
2016		\$175,000	\$175,000	Borrowed
2017		\$2,000,000		
2018				
2019				
2020				
Total		\$3,175,000	\$1,175,000	

Other Funding Source Description

Operating Budget Impact

As with all stormwater management systems, once constructed there will be ongoing maintenance requirements and costs.

Project Title ID 152461 **Request Year** 2016

CMOM - Pump Station Rehabilitation

Sewer Fund

Division Sewer

Classification Stationary Equipment

Project Description

The following projects were recommended to be done in FY16 .

- Curtis Pump Station Engineering
- Curtis Gravity Sewer Engineering
- Riverton Replacement with Submersible Pump Station
- Castine Replacement of Security Fence
- Scata and Hardware Updates
- Flowmeters at Pump Stations

Project Justification

Recommendations in the CMOM report which was done by Woodard and Curran.
Also from the I & I Study

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$450,000		\$4,010,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2015		\$682,000	\$680,000	
2016		\$670,000	\$670,000	Borrowed
2017		\$1,100,000		
2018		\$670,000		
2019		\$670,000		
2020		\$670,000		
Total		\$4,462,000	\$1,350,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 162997 **Request Year** 2016

Wastewater Server

Sewer Fund

Division Sewer

Classification Equipment

Project Description

Project involves the purchase of a server to store all NASSCO certified CCTV inspection video footage, images and related reports.

In order to achieve compliance, 10 - 20TB of additional server space will be required. To comply with internal policies and be sure that we have a recovery strategy, MIS will need to expand their backup server as well.

Project Justification

CCTV work is a major component of our CMOM program. As part of the March 4, 2014 communication the EPA it was federally mandated that the City, beginning July 1, 2014, perform annual Closed Circuit Television ("CCTV") assessment of at least 6% of the collection system and manholes using the National Association of Sewer System Companies ("NASSCO") procedures by NASSCO Pipeline Assessment Certification Program ("PACP") and Manhole Assessment Certification Program ("MACP") certified personnel. It also requires that the data be integrated with the City's CMMS.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$50,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$50,000	\$50,000	Capital
2017				
2018				
2019				
2020				
Total		\$50,000	\$50,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 163053 **Request Year** 2016

Water Resource Relocation

Sewer Fund

Division Sewer

Classification Facilities

Project Description

Relocate the water resource division and equipment from 55 Portland Street.

Project Justification

The water resource division currently does not have enough space to house all of the personel, equipment, and materials necessary to perform their duties when located at 55 Portland Street. Currently the equipment and materials are scattered at different locations throughout the city and not in one central location. This creates loss of time for transportation to and from office and job sites. The division will also be acquiring additional personel and equipment within the next year with little space to put them. The equipment needs to be located in an enclosed and covered secure location. Current availability at 55 Portland Street does not allow this.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$250,000				

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$250,000	\$250,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$250,000	\$250,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 163054 **Request Year** 2016

Rowe Avenue Sewer Separation

Sewer Fund

Division Sewer

Classification Wastewater

Project Description

Currently Rowe Avenue is a combined sewer system. This project will install a separated storm system to remove a wetland and street water which currently drains into the sewer system. The exiting sewer system is under capacity and has a CSO associated with it.

Project Justification

DPS has identified a private wetland directly upstream of CSO 39 (Rowe Street). As there is only a combined sewer in the area the wetland has an immediate impact to the downstream CSO . In 2014 this CSO accounted for 3.09% of the city total (5.94 million gallons). This CSO does not fall under the Tier III CSO efforts and DPS feels it would have an immediate mitigation to the volumes experienced at this location.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$210,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$210,000	\$210,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$210,000	\$210,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 163129 **Request Year** 2016

Greenleaf Street Stormwater Facilities

Sewer Fund

Division Stormwater

Classification Wastewater

Project Description

The objective of the project is to build a new storm drain system, including green infrastructure, in Greenleaf Street between Everett Street and Madison Street. The new storm drain system would be built in conjunction with a street reconstruction project, which might be funded from other sources (CDBG Program application submitted).

Project Justification

Greenleaf Street between Everett Street and Madison Street has been closed to through vehicular traffic. This block of Greenleaf Street has been essentially abandoned as a City Street. The public infrastructure in this block has deteriorated, and the street has become an eyesore. The project application to reconstruct Greenleaf Street stems from an initiative by neighborhood residents and the East Bayside Neighborhood Organization, which seek to rebuild the street and convert it into an attractive public space that enhances the neighborhood. This block of Greenleaf currently has no stormwater drainage facilities. The new stormwater drainage facilities will be required as part of the reconstruction project to meet current street standards. Current City policies encourage the use of green infrastructure.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$303,000		

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016	\$218,000	\$85,000	\$85,000	Capital
2017				
2018				
2019				
2020				
Total	\$218,000	\$85,000	\$85,000	

Other Funding Source Description

\$218,000 are being sought through a CDBG fund request submitted in November 2014. Work by City staff on the project would be funded through the operating budget; the estimated value of this work is \$46,000.

Operating Budget Impact

Project Title ID 14988 **Request Year** 2016

Bucket Truck Replacement - Forestry 5098

Vehicle Maintenance

Division Public Services

Classification Vehicles

Project Description

Bucket truck for Forestry

Project Justification

Current unit is a model year 1998 and is used for tree trimming and removal by Forestry. Safe operation of the bucket truck is imperative and a new unit should be purchased to replace this aging unit. A new unit will decrease down time and maintenance costs.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$220,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$220,000	\$220,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$220,000	\$220,000	

Other Funding Source Description

Operating Budget Impact

Cost Estimate
Altec aerial truck - \$205,000

Project Title ID 141056 **Request Year** 2016

Street Sweepers Replacement

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

Must replace 1 street sweeper per year to maintain the fleet

Project Justification

scheduled replacements

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,275,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2015		\$175,000	\$175,000	
2016		\$175,000	\$175,000	Borrowed
2017		\$175,000		
2018		\$235,000		
2019		\$175,000		
2014		\$165,000	\$165,000	
2020		\$175,000		
Total		\$1,275,000	\$515,000	

Other Funding Source Description

Operating Budget Impact

Decreased maintenance costs

Project Title ID 141064 **Request Year** 2016

Dump Truck Replacement - Sewer 3110

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

Single axle, 6 yard dump with plow, sander, and calcium system

Project Justification

Current unit is a model year 2000. A new unit will decrease down time and maintenance cost.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$165,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$165,000	\$165,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$165,000	\$165,000	

Other Funding Source Description

Operating Budget Impact

Cost Estimate - based on prior purchase of comperable dump truck

Project Title ID 141106 **Request Year** 2016

Ladder 1 Replacement - Fire

Vehicle Maintenance

Division Fire Department

Classification Vehicles

Project Description

Replace Ladder 1 vehicle which is a 1993 Pierce articulating boom.

Project Justification

This is scheduled replacement of a 1993 vehicle. Vehicle is within range of 20year replacement and maintenancce issues continue with an aging hydraulic system. This vehicle is an aerial device and requires dependability for firefighter and civilian safety.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,300,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$1,300,000	\$1,300,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$1,300,000	\$1,300,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141201 **Request Year** 2016

Dump Truck Replacement - Public Services 3112

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

2000, 35000 gvw dump w/ plow, sander, calcium

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$165,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$165,000	\$165,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$165,000	\$165,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141257 **Request Year** 2016

3/4 Ton Extended Cab Pickup Replacement - Sewer 2513

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

2006 3/4 ton pickup / sewer maintenance supervisor

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$38,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$38,000	\$38,000	Capital
2017				
2018				
2019				
2020				
Total		\$38,000	\$38,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141803 **Request Year** 2016

Medcu Ambulance Replacement - Fire

Vehicle Maintenance

Division Fire Department

Classification Vehicles

Project Description

Replace Medcu

Project Justification

Cost Estimate:

GM4500 Van and Box - \$215,000

Battery upgrade - \$500

IPD suspension - \$1,500

Inverter Alarm - \$500

Radio Equip - \$23,500

Headsets - \$2,000

Stretcher - \$14,000

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$2,305,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2013		\$225,000	\$225,000	
2014		\$225,000	\$225,000	
2015		\$265,000	\$265,000	
2016		\$265,000	\$265,000	Borrowed
2017		\$265,000		
2018		\$530,000		
2019		\$265,000		
2020		\$265,000		
Total		\$2,305,000	\$980,000	

Other Funding Source Description

Operating Budget Impact

Project Title ID 141804 **Request Year** 2016

Police Cruisers (7) Replacement - Police

Vehicle Maintenance

Division Police Department

Classification Vehicles

Project Description

Yearly replacement of 7 marked police cruisers @\$38,000 each (\$25,000 each plus upfit of \$7,000 and Watchguard unit of \$6,000). Note that Toughbook for each vehicle is not included in the upfit price.

Project Justification

DPW recommends yearly replacement of 7 marked police cruisers. DPW goal is to have no vehicle in fleet > 100K miles. Vehicles with higher mileage require costly DPW repairs in order to stay in service. Older patrol vehicles under 100K miles will continue to be recycled as spares or rolled into CID fleet. By using 100K miles as a disposal guideline, City will recognize increased sales/trade-in of inventory vehicles. Watchguard units will need to be replaced throughout the vehicle cycle until all old units are transitioned out. Separate CIP funding request for entire Watchguard system would remove that piece from the vehicle upfit costs.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,860,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2014		\$266,000	\$265,000	
2015		\$266,000	\$265,000	
2016		\$266,000	\$160,000	Borrowed
2017		\$266,000		
2018		\$266,000		
2019		\$266,000		
2020		\$266,000		
Total		\$1,862,000	\$690,000	

Other Funding Source Description

Operating Budget Impact

Reduced fuel consumption by replacing 8 cylinder Crown Victoria with 6 cylinder Ford Police Interceptor

Project Title ID 162999 **Request Year** 2016

Add CCTV Truck

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

Water Resources is proposing the purchase of a production oriented closed circuit television truck which will have digital side scan technology and software in order to do Pipe and MH Assessment Certification rating.

Project Justification

In response to our recent EPA Compliance Directive, Water Resources is proposing the purchase of a production oriented closed circuit television truck. Beginning in the current fiscal year, Water Resources will be required to televise 6% of Portland’s combined and sanitary sewage systems. All of the televised footage will require NASCCO rating before uploading into our Cityworks CMMS system. Unlike our existing camera unit, the new CCTV unit will incorporate digital side scan technology to provide clear and concise imagery of our underground infrastructure. Once field TV data is collected it will be post processed such that each televised pipe segment will be rated to NASSCO PACP (Pipe Assessment Certification Program) standards and uploaded to our CMMS system as required by our EPA Compliance Directive. TV truck operations staff will be trained and certified to apply NASSCO standards to all of our televised infrastructure. The new CCTV truck will also have the capability to

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$415,000	

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>
2016		\$415,000	\$415,000	Borrowed
2017				
2018				
2019				
2020				
Total		\$415,000	\$415,000	

Other Funding Source Description

Operating Budget Impact