

CITY OF RICHLAND, WASHINGTON

CAPITAL IMPROVEMENT PLAN

2018 TO 2023



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PROJECT CATEGORIES

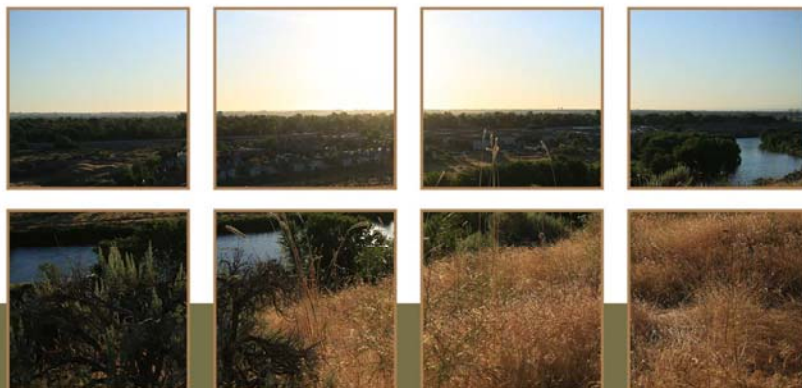
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Plan Overview

- Plan Overview
- Explanation of Funding Sources
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PLAN OVERVIEW

CAPITAL IMPROVEMENT PLAN

The Capital Improvement Plan (CIP) is a tool for identifying and prioritizing capital projects and major capital purchases for budget consideration. The plan provides a project planning schedule for a six-year period and identifies funding sources for projects approved in the current budget cycle. The CIP serves as an annual identification of specific capital projects described more generally in the City's Comprehensive Plan.

The CIP is useful in coordinating community planning, determining financial capacity and ensuring capital expenditures demonstrate support for the key elements of the City's Strategic Plan. The CIP is comprised of projects that maintain, enhance, or construct **new** facilities and infrastructure.

The CIP includes a list of capital projects that includes maintenance and improvements of City facilities/infrastructure and new construction projects that add to the City's infrastructure assets. This section provides a separate tab for all project types. All project sheets include a project cost estimate, a description of the project, financing plan and the estimated impact to the operating budget. Each project must identify the Key, and Goal of the Strategic Plan that it supports. The minimum threshold for CIP projects is \$25,000; projects may span several years and have multiple funding sources.

ADVANTAGES OF CAPITAL IMPROVEMENT PLAN

A Capital Improvement Plan provides a long-range plan of projects that add to, upgrade and maintain the City's infrastructure. The Council approved plan provides employees and citizens with a blueprint of planned improvements and long term growth in the City. This process ensures future development supports the City's Strategic Plan, City facilities are maintained, and long range planning for replacement facilities is in place. In addition to these advantages, a CIP:

- Facilitates coordination between capital needs and operating budgets.
- Coordinates public capital investments with other public and private development initiatives.
- Increases opportunities for obtaining federal and state aid and identifying partnership opportunities.
- Focuses attention on community objectives and fiscal capacity.
- Encourages careful project planning and design to help a community reach its desired goals.
- Serves as an effective community education tool by keeping the public informed about future needs and projects.





EXPLANATION OF FUNDING SOURCES

Street Fund (includes the following types of revenues and allowable expenses):

Fuel Tax is derived from the state half-cent motor vehicle fuel tax and must be used for new construction, repair or reconstruction of streets identified in the City's six-year street improvement program and approved by the state.

Utility Charges are charges received from businesses (\$0.91 per employee per month) to fund street overlay projects.

***Utility Occupation Tax** is a portion of the excise tax levied on city utilities that is designated for preserving and repairing city streets.

Mitigation/Impact Fees are fees paid by developers to support transportation related improvements.

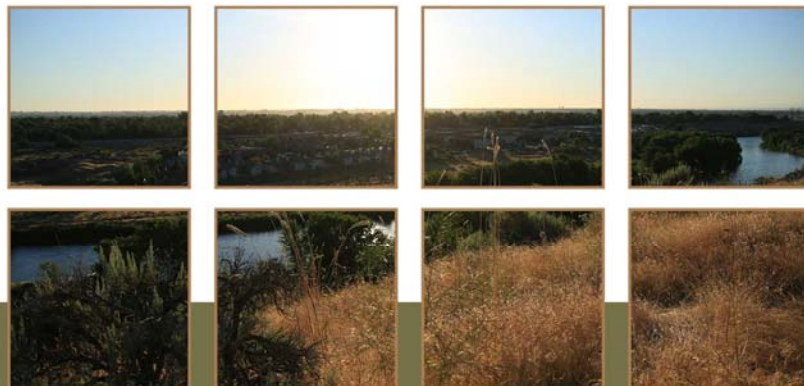
Bond Sale Proceeds represent funds on deposit from previously issued bonds.

Revenue/General Obligation Bond Issue refers to funds received from issuing new bonds in the budget year.

General Fund may provide funding to CIP Projects, if resources are available.

Capital Improvement Fund (REET 1st and 2nd one-quarter percent) accounts for proceeds from the one-half of 1% Real Estate Excise Tax assessed on the sale of real property in Richland. REET 1st one-quarter percent is restricted for acquisition and development of local "capital projects" defined in RCW 82.46.010(6), including street and waterworks/stormwater utility infrastructure, and parks, public safety and administrative facilities. REET 2nd one-quarter percent can only be used for acquisition and development of "capital projects" defined in RCW 82.46.035(5), including street and waterworks/stormwater infrastructure. REET funding is only available for capital projects listed in the capital facilities plan element of the City's Comprehensive Plan. In 2011, the State Legislature expanded the uses of REET 1 and REET 2 to temporarily include maintenance and operations of existing capital projects through December 31, 2016. However, during the 2015 Legislative Session the use for maintenance was extended with additional limitations on the amount, provided a written report is prepared and adopted as part of the City's regular budget process. The written report must demonstrate that all funding sources are adequate to fund the CIP for a two-year period.

Facility Fees represent the full upfront cost charged to developers for the extension of electric, water and wastewater services to new properties or developments. The facility fee revenues must be used solely for capital projects related to extending services.





Explanation of Funding Sources Continued...

Hotel/Motel Tax Fund is funded by revenues derived from a 4% excise tax on lodging. State law stipulates that revenues collected from the lodging tax be used solely for tourism promotion, acquisition and/or operation of tourism related facilities.

Industrial Development Fund accounts for revenues generated by the sale of industrial property. The proceeds are expended for purposes of industrial development.

Transportation Benefit District accounts for the annual vehicle fee in the amount of \$20 for the purpose of providing adequate levels of funding for completion of the Duportail Bridge and the Pavement Preservation Program. The fee will sunset with the retirement of the debt to build the Duportail Bridge which will occur in 2039.

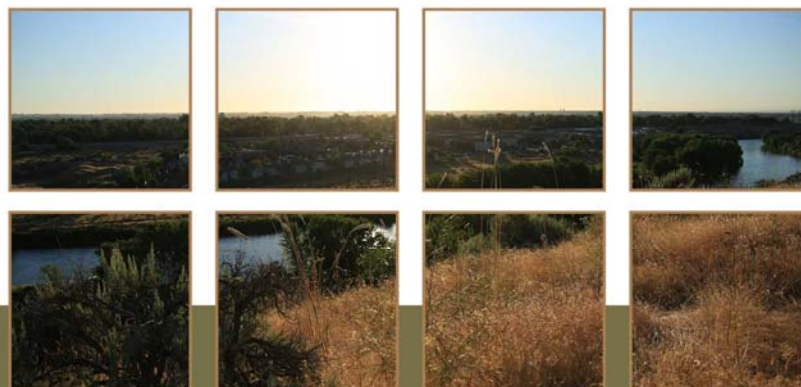
Other Agencies/Grants/Loans accounts for a number of different types of federal and state grants for recreation, transportation and water programs as well as low interest loans for public works projects. Contributions from state and local agencies are also included.

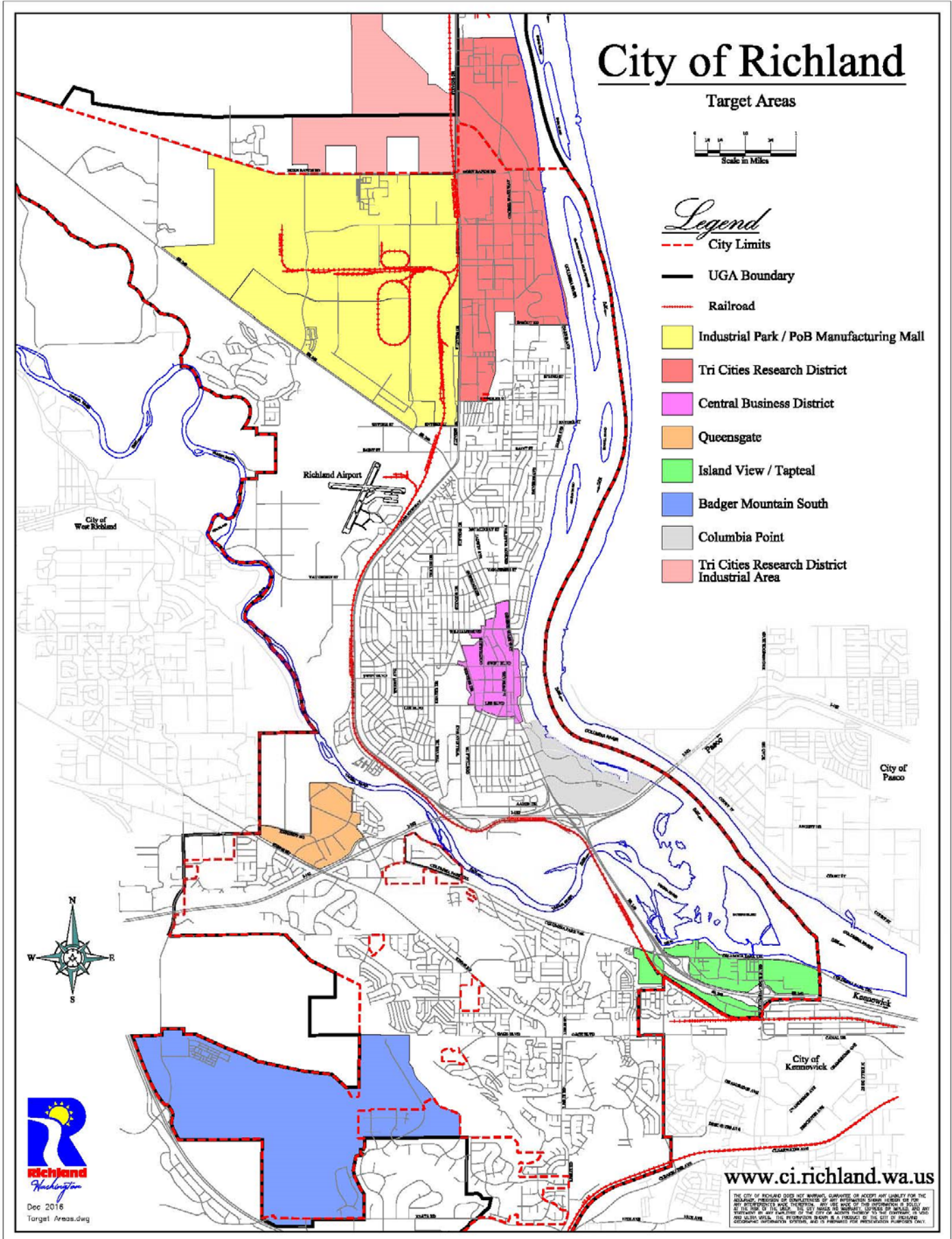
Park Reserve Fund accounts for funds received from the sale or lease of park property, mitigation fees levied on new development and any bequests bequeathed to the City for the acquisition or development of parkland. Per City Ordinance #07-02, the funds can be used for acquisition and development of public open spaces devoted to public parks, playgrounds, trails and other recreational purposes.

Utility Rate Revenue reflects the revenue from the sale of City Electric, Water, Wastewater, Solid Waste and Storm Water services to the citizens and businesses of Richland.

***Utility Occupation Tax** is levied on the gross revenues of all utilities operating within the City, including the City's own utility enterprise funds. Tax rates vary by utility type. The majority of the tax revenues are deposited into the General Fund. A small portion was designated by a vote of the citizens of Richland to provide funding for maintaining the City's streets. Another small portion was designated by the voters for public safety purposes.

Donations/Developer Contributions represents donations of in-kind services, land, right-of-ways, and cash from individuals or developers working with the City.





KEY ELEMENTS

Keys to Unlock Our Future – Year Ten

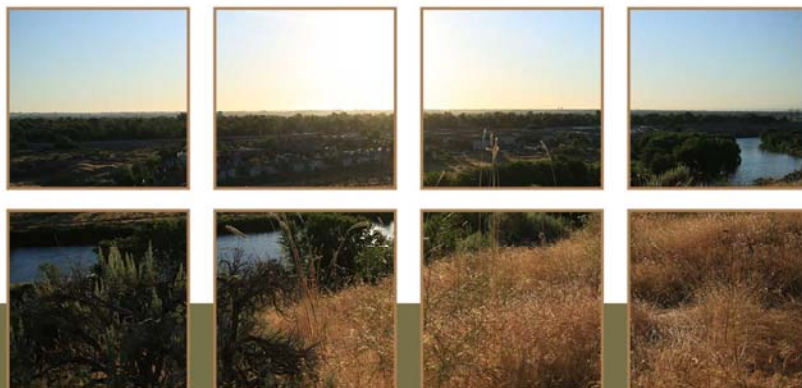
- *Financial Stability and Operational Effectiveness*
- *Infrastructure and Facilities*
- *Economic Vitality*
- *Targeted Investments*
- *Natural Resources Management*
- *Community Amenities*
- *Neighborhoods and Community Safety*





2018 Projects

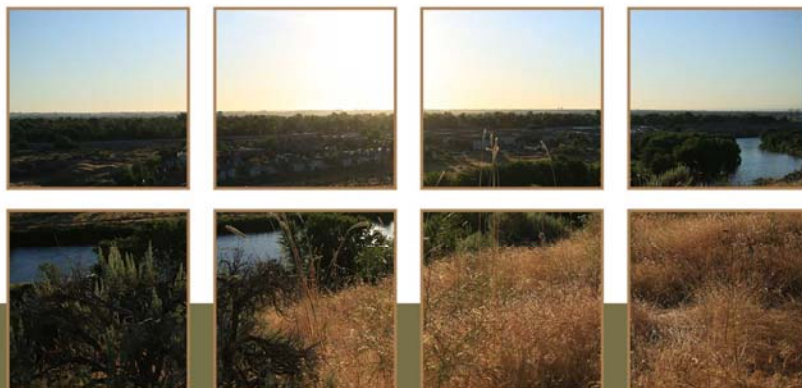
- Summary of 2018 Capital Improvement Projects and Funding Summary





Project Summaries

- All Project Costs by Year
- Summary – Project Costs by Department/Year
- Detail – Project Costs by Department/Year
- Summary – Funding Sources by Department/Year
- Summary Funding Source List by Year





Capital Improvement Plan

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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
2018					
Leslie Rd Substation	Electric	ES130004	2	1	\$4,095,000
Smart Grid / Advanced Metering Infrastructure	Electric	ES130005	1	4	\$3,031,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$424,000
Line Extensions	Electric	ES130008	2	1	\$1,288,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	2	1	\$158,000
Renewal & Replacement	Electric	ES130010	2	2	\$3,923,000
Systems Improvements	Electric	ES130011	2	1	\$1,729,000
Major Equipment Purchases	Electric	ES160001			\$265,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$2,431,409
ERP System (Financial System)	Municipal	MN140018	1	4	\$1,348,763
Broadband Fund-Leased Fiber Extensions	Municipal	MN160001	2	1	\$100,000
Fire Station - Southeast Area & Land Acquisition	Municipal	MN170001	2	1	\$500,000
Fire Station 72 - Adjacent Land Acquisition	Municipal	MN170002	2	1	\$150,000
Economic Development Road Projects	Municipal	MN170004	2	1	\$1,625,000
Access Control & Security Camera System Replacement	Municipal	MN170005	2	1	\$550,000
Drollinger Park Amenities	Parks	PR130007	6	3	\$60,000
City-Wide Tree Replacement	Parks	PR130016	6	3	\$20,000
Park Signage	Parks	PR140009	6	3	\$25,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	2	2	\$287,000
Parks Facilities Renewal & Replacement	Parks	PR140021	2	2	\$378,000
Re-roof City of Richland Shops Buildings, 100, 200 & 300	Parks	PR160002			\$725,000
Horn Rapids Athletic Complex Infield & Fence Renewal	Parks	PR160003	6	1	\$30,000
Parks & Neighborhood Safety Program	Parks	PR160005	7	1	\$20,000
Trailhead Park: Replacement of Steps & Bypass Trail	Parks	PR170001	6	1	\$50,000
Goethals Park Improvements	Parks	PR170002	6	3	\$80,000
Rivers to Ridges Trail: Badger Mountain Section	Parks	PR170004	6	3	\$700,000
Richland Community Center Roof Repair	Parks	PR170005	2	2	\$75,000
Fire Station 72 Building Repairs	Parks	PR170006	2	2	\$350,000

2018-2023 Capital Improvement Plan



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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$226,000
Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$565,587
Leslie Road Storm Drain Replacement	Stormwater	ST160001	2	2	\$839,000
Columbia Park Trail Storm Conveyance & Treatment Improvements	Stormwater	ST170001	2	2	\$75,000
Disposal Capacity Improvements	Solid Waste	SW130002	5	2	\$1,275,000
Solid Waste Facility Improvements	Solid Waste	SW160001	2	2	\$20,000
Duportail Bridge	Transportation	TR130001	2	1	\$16,800,000
Pavement Preservation Program	Transportation	TR130003	2	2	\$1,726,843
Pavement Preservation Program (GWW Resurfacing & Streetscape)	Transportation	TR170002	2	2	\$950,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$120,000
Columbia Park Trail Improvements - East	Transportation	TR140016	2	1	\$125,000
Steptoe Street / Tapteal Drive Intersection Improvements	Transportation	TR140017	2	1	\$1,815,000
Center Parkway-West-Leslie Road to Clearwater Creek	Transportation	TR140019	2	1	\$50,000
Queensgate Drive / Columbia Park Trail Improvements	Transportation	TR150022	2	1	\$2,310,000
Swift Boulevard Improvements	Transportation	TR160002	2	1	\$980,000
South Richland Collector Streets	Transportation	TR160005	2	1	\$70,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$350,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	2	2	\$225,000
Yakima River Crossing Pipeline Replacement	Water	WA130008	2	1	\$1,725,000
Chief Joseph Middle School Irrigation Well	Water	WA150010	5	3	\$150,000
Automatic Meter Reading System	Water	WA160001	2	2	\$3,000,000
Columbia River Intake Screen Upgrade	Water	WA160002	2	2	\$200,000
Island View Supply Redundancy Project	Water	WA160006	2	2	\$410,000
Columbia Playfield Improvements	Waterfront	WF140007	6	3	\$183,000
Shoreline Enhancement & Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$200,000
Wayfinding Signage & Gateway Entrance Improvements	Waterfront	WF140012	6	2	\$450,000
Columbia Point Marina Park Enhancements	Waterfront	WF150015	2	2	\$350,000
Columbia Pt. Golf Course Clubhouse Modernization & Course	Waterfront	WF160003	6	1	\$30,000

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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
George Prout Pool Renewal	Waterfront	WF170001	1	3	\$200,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$1,652,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$551,000
2018 Total:					\$62,171,602
2019					
Dallas Rd Area Improvements	Electric	ES130001	2	1	\$1,951,000
Leslie Rd Substation	Electric	ES130004	2	1	\$731,000
Smart Grid / Advanced Metering Infrastructure	Electric	ES130005	1	4	\$2,571,000
Line Extensions	Electric	ES130008	2	1	\$1,288,000
Renewal & Replacement	Electric	ES130010	2	2	\$2,245,000
Systems Improvements	Electric	ES130011	2	1	\$1,587,000
Fire Station 73 - Replacement Station	Municipal	MN130005	2	1	\$4,000,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$3,637,184
ERP System (Financial System)	Municipal	MN140018	1	4	\$1,530,289
Economic Development Road Projects	Municipal	MN170004	2	1	\$925,000
Badger Mountain Park Improvements	Parks	PR130001	6	3	\$250,000
City-Wide Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	2	2	\$300,000
Parks Facilities Renewal & Replacement	Parks	PR140021	2	2	\$750,000
Horn Rapids Athletic Complex Infield & Fence Renewal	Parks	PR160003	6	1	\$30,000
Parks & Neighborhood Safety Program	Parks	PR160005	7	1	\$10,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$405,000
Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$122,000
Columbia Park Trail Storm Conveyance & Treatment Improvements	Stormwater	ST170001	2	2	\$545,000
Disposal Capacity Improvements	Solid Waste	SW130002	5	2	\$7,225,000
Landfill Closure, Phase 2	Solid Waste	SW130003	2	1	\$225,000
Solid Waste Facility Improvements	Solid Waste	SW160001	2	2	\$20,000
Duportail Bridge	Transportation	TR130001	2	1	\$10,300,000
Center Parkway - North- Gage to Tapteal Drive	Transportation	TR130002	2	1	\$917,190
Pavement Preservation Program	Transportation	TR130003	2	2	\$2,091,600

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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Pavement Preservation Program (GWW Resurfacing & Streetscape)	Transportation	TR170002	2	2	\$3,442,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
Columbia Park Trail Improvements - East	Transportation	TR140016	2	1	\$2,727,710
Center Parkway-West-Leslie Road to Clearwater Creek	Transportation	TR140019	2	1	\$1,750,000
Vantage Highway Pathway - Phase II	Transportation	TR140020	2	1	\$75,000
South Richland Collector Streets	Transportation	TR160005	2	1	\$70,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$350,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	2	2	\$225,000
Yakima River Crossing Pipeline Replacement	Water	WA130008	2	1	\$3,585,000
Columbia River Intake Screen Upgrade	Water	WA160002	2	2	\$100,000
Columbia Playfield Improvements	Waterfront	WF140007	6	3	\$230,000
Shoreline Enhancement & Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$320,000
Wayfinding Signage & Gateway Entrance Improvements	Waterfront	WF140012	6	2	\$320,000
Columbia Point Marina Park Enhancements	Waterfront	WF150015	2	2	\$410,000
Leslie Groves Park Enhancements	Waterfront	WF160002	6	1	\$120,000
George Prout Pool Renewal	Waterfront	WF170001	1	3	\$20,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$1,705,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$568,000

2019 Total: \$59,923,973

2020					
Dallas Rd Area Improvements	Electric	ES130001	2	1	\$3,179,000
Kingsgate Substation	Electric	ES130003	2	1	\$2,119,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$392,000
Line Extensions	Electric	ES130008	2	1	\$1,288,000
Renewal & Replacement	Electric	ES130010	2	2	\$1,702,000
Systems Improvements	Electric	ES130011	2	1	\$895,000
Equipment Storage and Maintenance Repair Shop	Electric	ES130012	2	1	\$636,000
Major Equipment Purchases	Electric	ES160001			\$488,000

2018-2023 Capital Improvement Plan



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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Equipment Replacement Program	Municipal	MN140016	1	4	\$6,919,900
ERP System (Financial System)	Municipal	MN140018	1	4	\$1,058,556
Badger Mountain Park Improvements	Parks	PR130001	6	3	\$250,000
City-Wide Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	2	2	\$300,000
Parks Facilities Renewal & Replacement	Parks	PR140021	2	2	\$750,000
By-Pass Shelterbelt Irrigation Renewal	Parks	PR160001	6	3	\$250,000
Horn Rapids Athletic Complex Infield & Fence Renewal	Parks	PR160003	6	1	\$30,000
Parks & Neighborhood Safety Program	Parks	PR160005	7	1	\$10,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$111,000
Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$158,000
Landfill Closure, Phase 2	Solid Waste	SW130003	2	1	\$3,555,000
Solid Waste Facility Improvements	Solid Waste	SW160001	2	2	\$20,000
Duportail Bridge	Transportation	TR130001	2	1	\$4,700,000
Center Parkway - North- Gage to Tapteal Drive	Transportation	TR130002	2	1	\$780,160
Pavement Preservation Program	Transportation	TR130003	2	2	\$2,820,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
Queensgate Drive Extension	Transportation	TR140018	2	1	\$250,000
Vantage Highway Pathway - Phase II	Transportation	TR140020	2	1	\$595,000
Queensgate Drive - Phase II	Transportation	TR150025	2	1	\$300,000
South Richland Collector Streets	Transportation	TR160005	2	1	\$70,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$350,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	2	2	\$225,000
Yakima River Crossing Pipeline Replacement	Water	WA130008	2	1	\$602,000
Columbia River Intake Screen Upgrade	Water	WA160002	2	2	\$4,330,000
Columbia Playfield Improvements	Waterfront	WF140007	6	3	\$30,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$240,000
Shoreline Enhancement & Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$450,000

2018-2023 Capital Improvement Plan



Capital Improvement Plan

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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Columbia Point Marina Park Enhancements	Waterfront	WF150015	2	2	\$250,000
Leslie Groves Park Enhancements	Waterfront	WF160002	6	1	\$150,000
George Prout Pool Renewal	Waterfront	WF170001	1	3	\$130,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$1,761,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$587,000
2020 Total:					\$42,981,616
2021					
Kingsgate Substation	Electric	ES130003	2	1	\$2,119,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$3,236,000
Line Extensions	Electric	ES130008	2	1	\$1,288,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	2	1	\$200,000
Renewal & Replacement	Electric	ES130010	2	2	\$1,281,000
Systems Improvements	Electric	ES130011	2	1	\$2,001,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$3,362,373
City-Wide Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	2	2	\$600,000
Parks Facilities Renewal & Replacement	Parks	PR140021	2	2	\$750,000
By-Pass Shelterbelt Irrigation Renewal	Parks	PR160001	6	3	\$250,000
Horn Rapids Athletic Complex Infield & Fence Renewal	Parks	PR160003	6	1	\$30,000
Parks & Neighborhood Safety Program	Parks	PR160005	7	1	\$10,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$57,124
Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$452,000
Solid Waste Facility Improvements	Solid Waste	SW160001	2	2	\$20,000
Pavement Preservation Program	Transportation	TR130003	2	2	\$3,290,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
South GWW Intersection Improvements	Transportation	TR130011	2	1	\$551,200
Queensgate Drive Extension	Transportation	TR140018	2	1	\$850,000
Gage Boulevard Improvements	Transportation	TR150023	2	1	\$75,000
Queensgate Drive - Phase II	Transportation	TR150025	2	1	\$500,000
Vantage Highway Pathway - Phase III	Transportation	TR150027	2	1	\$50,000

2018-2023 Capital Improvement Plan



Capital Improvement Plan

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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Marcus Whitman Elementary Sidewalks	Transportation	TR160003	2	1	\$491,200
South GWW Pedestrian Access & Safety Improvement	Transportation	TR160004	2	1	\$200,000
South Richland Collector Streets	Transportation	TR160005	2	1	\$70,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$350,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
WTP Solids Handling Improvements	Water	WA130006	2	2	\$400,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	2	2	\$225,000
Orchard Way Service Pressure Improvement	Water	WA160003	2	2	\$35,000
Leslie Road Service Pressure Improvement	Water	WA160004	2	2	\$105,000
Broadmoor Street Service Pressure Improvement	Water	WA160005	2	2	\$110,000
Tapteal I Pump Station Upgrade	Water	WA160010	2	2	\$500,000
Core 545 Zone Surge Analyses	Water	WA170001	2	2	\$100,000
Columbia Playfield Improvements	Waterfront	WF140007	6	3	\$330,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$200,000
Shoreline Enhancement & Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$340,000
Columbia Point Marina Park Enhancements	Waterfront	WF150015	2	2	\$150,000
Leslie Groves Park Enhancements	Waterfront	WF160002	6	1	\$200,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$1,818,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$606,000
				2021 Total:	\$27,452,897

2022					
Dallas Rd Area Improvements	Electric	ES130001	2	1	\$1,093,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$2,774,000
Line Extensions	Electric	ES130008	2	1	\$1,288,000
Renewal & Replacement	Electric	ES130010	2	2	\$2,889,000
Systems Improvements	Electric	ES130011	2	1	\$454,000
Major Equipment Purchases	Electric	ES160001			\$318,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$3,744,266
City-Wide Tree Replacement	Parks	PR130016	6	3	\$20,000

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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Municipal Facilities Renewal & Improvement Program	Parks	PR140020	2	2	\$300,000
Parks Facilities Renewal & Replacement	Parks	PR140021	2	2	\$750,000
By-Pass Shelterbelt Irrigation Renewal	Parks	PR160001	6	3	\$250,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$58,667
Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$733,000
Solid Waste Facility Improvements	Solid Waste	SW160001	2	2	\$20,000
Pavement Preservation Program	Transportation	TR130003	2	2	\$3,290,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
South GWW Intersection Improvements	Transportation	TR130011	2	1	\$500,000
Gage Boulevard Improvements	Transportation	TR150023	2	1	\$750,000
Queensgate Drive - Phase II	Transportation	TR150025	2	1	\$2,600,000
Stevens Drive Pathway	Transportation	TR150026	2	1	\$70,000
Vantage Highway Pathway - Phase III	Transportation	TR150027	2	1	\$550,000
South GWW Pedestrian Access & Safety Improvement	Transportation	TR160004	2	1	\$2,400,000
South Richland Collector Streets	Transportation	TR160005	2	1	\$70,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$597,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	2	2	\$225,000
Core 545 Zone Surge Analyses	Water	WA170001	2	2	\$896,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$200,000
Shoreline Enhancement & Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$390,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$1,878,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$626,000
				2022 Total:	\$29,963,933

2023					
Dallas Rd Area Improvements	Electric	ES130001	2	1	\$1,093,000
Hanford Substation	Electric	ES130002	2	1	\$4,300,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$654,000
Line Extensions	Electric	ES130008	2	1	\$1,288,000

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2018 thru 2023 (\$ To-Date Costs and Budget Remaining Totals Not Included)

All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Renewal & Replacement	Electric	ES130010	2	2	\$2,889,000
Systems Improvements	Electric	ES130011	2	1	\$454,000
Fire Station - Badger Mountain South	Municipal	MN130007	2	1	\$5,462,799
Fire Station - Horn Rapids Area	Municipal	MN130009	2	1	\$5,010,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$2,710,960
Fire Station - Southeast Area & Land Acquisition	Municipal	MN170001	2	1	\$5,010,000
Fire Station - Northeast	Municipal	MN170003	2	1	\$5,010,000
West Village Park at Badger Mountain South	Parks	PR130005	6	3	\$1,600,000
City-Wide Tree Replacement	Parks	PR130016	6	3	\$20,000
By-Pass Shelterbelt Irrigation Renewal	Parks	PR160001	6	3	\$250,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$60,251
Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$752,000
Solid Waste Facility Improvements	Solid Waste	SW160001	2	2	\$20,000
Pavement Preservation Program	Transportation	TR130003	2	2	\$3,290,000
South GWW Intersection Improvements	Transportation	TR130011	2	1	\$6,238,800
Stevens Drive Pathway	Transportation	TR150026	2	1	\$880,000
South Richland Collector Streets	Transportation	TR160005	2	1	\$70,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$615,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Plant Renewal & Replacement	Water	WA130007	2	2	\$225,000
Water Treatment Plant Pumping Capacity Improvement	Water	WA170002	2	2	\$766,000
Fire Station 71 - Replacement Station	Waterfront	WF140004	2	1	\$5,050,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$200,000
Shoreline Enhancement & Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$1,939,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$646,000
2023 Total:					\$56,633,810
Report Total:					\$279,127,831

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Summary - Project Costs by Department/Year

Department	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Electric	6,281,000	14,312,000	14,913,000	10,373,000	10,699,000	10,125,000	8,816,000	10,678,000	86,197,000
Municipal	2,813,511	8,055,104	6,705,172	10,092,473	7,978,456	3,362,373	3,744,266	23,203,759	65,955,114
Parks	3,240,459	853,000	2,800,000	1,360,000	1,610,000	1,660,000	1,320,000	1,870,000	14,713,459
Solid Waste	143,512	165,000	1,295,000	7,470,000	3,575,000	20,000	20,000	20,000	12,708,512
Stormwater	2,044,807	238,500	1,705,587	1,072,000	269,000	509,124	791,667	812,251	7,442,936
Transportation	25,539,574	4,850,977	24,946,843	21,473,500	9,615,160	6,177,400	10,330,000	10,478,800	113,412,254
Wastewater	11,595,015	4,902,000	2,203,000	2,273,000	2,348,000	2,424,000	2,504,000	2,585,000	30,834,015
Water	33,828,086	2,026,000	6,160,000	4,360,000	5,607,000	1,925,000	1,818,000	1,706,000	57,430,086
Waterfront	5,444,714	17,966,251	1,443,000	1,450,000	1,280,000	1,250,000	620,000	5,280,000	34,733,965
Report Total:	90,930,678	53,368,832	62,171,602	59,923,973	42,981,616	27,452,897	29,963,933	56,633,810	423,427,341

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Detail - Project Costs by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Electric										
Dallas Rd Area Improvements	ES130001	66,000	1,497,000	0	1,951,000	3,179,000	0	1,093,000	1,093,000	8,879,000
Electrical Substation Improvements	ES130007	448,000	2,850,000	424,000	0	392,000	3,236,000	2,774,000	654,000	10,778,000
Equipment Storage and Maintenance Repair Shop	ES130012	0	0	0	0	636,000	0	0	0	636,000
Hanford Substation	ES130002	0	0	0	0	0	0	0	4,300,000	4,300,000
Kingsgate Substation	ES130003	0	0	0	0	2,119,000	2,119,000	0	0	4,238,000
Leslie Rd Substation	ES130004	738,000	3,613,000	4,095,000	731,000	0	0	0	0	9,177,000
Line Extensions	ES130008	2,430,000	2,316,000	1,288,000	1,288,000	1,288,000	1,288,000	1,288,000	1,288,000	12,474,000
Major Equipment Purchases	ES160001	0	315,000	265,000	0	488,000	0	318,000	0	1,386,000
Purchase Southwest Service Area Infrastructure	ES130009	15,000	254,000	158,000	0	0	200,000	0	0	627,000
Renewal & Replacement	ES130010	913,000	1,625,000	3,923,000	2,245,000	1,702,000	1,281,000	2,889,000	2,889,000	17,467,000
Smart Grid / Advanced Metering Infrastructure	ES130005	214,000	350,000	3,031,000	2,571,000	0	0	0	0	6,166,000
Systems Improvements	ES130011	1,457,000	1,492,000	1,729,000	1,587,000	895,000	2,001,000	454,000	454,000	10,069,000
Electric Total:		6,281,000	14,312,000	14,913,000	10,373,000	10,699,000	10,125,000	8,816,000	10,678,000	86,197,000
Municipal										
Access Control & Security Camera System Replacement	MN170005	0	0	550,000	0	0	0	0	0	550,000
Animal Control Shelter	MN130001	400,000	1,100,000	0	0	0	0	0	0	1,500,000
Broadband Fund-Leased Fiber Extensions	MN160001	0	200,000	100,000	0	0	0	0	0	300,000
Economic Development Road Projects	MN170004	0	0	1,625,000	925,000	0	0	0	0	2,550,000
Equipment Replacement Program	MN140016	2,163,511	4,329,104	2,431,409	3,637,184	6,919,900	3,362,373	3,744,266	2,710,960	29,298,707
ERP System (Financial System)	MN140018	250,000	2,426,000	1,348,763	1,530,289	1,058,556	0	0	0	6,613,608
Fire Station - Badger Mountain South	MN130007	0	0	0	0	0	0	0	5,462,799	5,462,799
Fire Station - Horn Rapids Area	MN130009	0	0	0	0	0	0	0	5,010,000	5,010,000
Fire Station - Northeast	MN170003	0	0	0	0	0	0	0	5,010,000	5,010,000
Fire Station - Southeast Area & Land Acquisition	MN170001	0	0	500,000	0	0	0	0	5,010,000	5,510,000
Fire Station 72 - Adjacent Land Acquisition	MN170002	0	0	150,000	0	0	0	0	0	150,000
Fire Station 73 - Replacement Station	MN130005	0	0	0	4,000,000	0	0	0	0	4,000,000
Municipal Total:		2,813,511	8,055,104	6,705,172	10,092,473	7,978,456	3,362,373	3,744,266	23,203,759	65,955,114
Parks										
Badger Mountain Park Improvements	PR130001	738,502	70,000	0	250,000	250,000	0	0	0	1,308,502

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Detail - Project Costs by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
By-Pass Shelterbelt Irrigation Renewal	PR160001	456,458	0	0	0	250,000	250,000	250,000	250,000	1,456,458
City-Wide Tree Replacement	PR130016	60,000	40,000	20,000	20,000	20,000	20,000	20,000	20,000	220,000
Drollinger Park Amenities	PR130007	60,000	0	60,000	0	0	0	0	0	120,000
Fire Station 72 Building Repairs	PR170006	0	0	350,000	0	0	0	0	0	350,000
Goethals Park Improvements	PR170002	0	0	80,000	0	0	0	0	0	80,000
Horn Rapids Athletic Complex Infield & Fence Renewal	PR160003	0	50,000	30,000	30,000	30,000	30,000	0	0	170,000
Municipal Facilities Renewal & Improvement Program	PR140020	1,660,499	270,000	287,000	300,000	300,000	600,000	300,000	0	3,717,499
Park Signage	PR140009	125,000	25,000	25,000	0	0	0	0	0	175,000
Parks & Neighborhood Safety Program	PR160005	0	91,000	20,000	10,000	10,000	10,000	0	0	141,000
Parks Facilities Renewal & Replacement	PR140021	140,000	302,000	378,000	750,000	750,000	750,000	750,000	0	3,820,000
Re-roof City of Richland Shops Buildings, 100, 200 & 300	PR160002	0	0	725,000	0	0	0	0	0	725,000
Richland Community Center Roof Repair	PR170005	0	0	75,000	0	0	0	0	0	75,000
Rivers to Ridges Trail: Badger Mountain Section	PR170004	0	0	700,000	0	0	0	0	0	700,000
Trailhead Park: Replacement of Steps & Bypass Trail	PR170001	0	5,000	50,000	0	0	0	0	0	55,000
West Village Park at Badger Mountain South	PR130005	0	0	0	0	0	0	0	1,600,000	1,600,000
Parks Total:		3,240,459	853,000	2,800,000	1,360,000	1,610,000	1,660,000	1,320,000	1,870,000	14,713,459
Solid Waste										
Disposal Capacity Improvements	SW130002	143,512	0	1,275,000	7,225,000	0	0	0	0	8,643,512
Landfill Closure, Phase 2	SW130003	0	0	0	225,000	3,555,000	0	0	0	3,780,000
Solid Waste Facility Improvements	SW160001	0	165,000	20,000	20,000	20,000	20,000	20,000	20,000	285,000
Solid Waste Total:		143,512	165,000	1,295,000	7,470,000	3,575,000	20,000	20,000	20,000	12,708,512
Stormwater										
Columbia Park Trail Storm Conveyance & Treatment Improvements	ST170001	0	0	75,000	545,000	0	0	0	0	620,000
Leslie Road Storm Drain Replacement	ST160001	0	0	839,000	0	0	0	0	0	839,000
Stormwater Rehabilitation & Replacement	ST130001	1,140,090	200,000	226,000	405,000	111,000	57,124	58,667	60,251	2,258,132
Water Quality Retrofit Program	ST130006	904,717	38,500	565,587	122,000	158,000	452,000	733,000	752,000	3,725,804
Stormwater Total:		2,044,807	238,500	1,705,587	1,072,000	269,000	509,124	791,667	812,251	7,442,936
Transportation										
ADA Compliance / Sidewalk Repairs Program	TR130004	647,041	75,000	120,000	100,000	100,000	100,000	100,000	0	1,242,041
Center Parkway - North- Gage to Tapteal Drive	TR130002	3,086,643	2,120,977	0	917,190	780,160	0	0	0	6,904,970

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Detail - Project Costs by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Center Parkway-West-Leslie Road to Clearwater Creek	TR140019	150,000	0	50,000	1,750,000	0	0	0	0	1,950,000
Columbia Park Trail Improvements - East	TR140016	0	0	125,000	2,727,710	0	0	0	0	2,852,710
Duportail Bridge	TR130001	4,511,561	1,150,000	16,800,000	10,300,000	4,700,000	0	0	0	37,461,561
Gage Boulevard Improvements	TR150023	0	0	0	0	0	75,000	750,000	0	825,000
Marcus Whitman Elementary Sidewalks	TR160003	0	0	0	0	0	491,200	0	0	491,200
Pavement Preservation Program	TR130003	16,764,950	1,230,000	1,726,843	2,091,600	2,820,000	3,290,000	3,290,000	3,290,000	34,503,393
Pavement Preservation Program (GWW Resurfacing & Streetscape)	TR170002	0	0	950,000	3,442,000	0	0	0	0	4,392,000
Queensgate Drive - Phase II	TR150025	0	0	0	0	300,000	500,000	2,600,000	0	3,400,000
Queensgate Drive / Columbia Park Trail Improvements	TR150022	0	175,000	2,310,000	0	0	0	0	0	2,485,000
Queensgate Drive Extension	TR140018	51,150	0	0	0	250,000	850,000	0	0	1,151,150
South GWW Intersection Improvements	TR130011	248,229	0	0	0	0	551,200	500,000	6,238,800	7,538,229
South GWW Pedestrian Access & Safety Improvement	TR160004	0	0	0	0	0	200,000	2,400,000	0	2,600,000
South Richland Collector Streets	TR160005	0	100,000	70,000	70,000	70,000	70,000	70,000	70,000	520,000
Steptoe Street / Tapteal Drive Intersection Improvements	TR140017	80,000	0	1,815,000	0	0	0	0	0	1,895,000
Stevens Drive Pathway	TR150026	0	0	0	0	0	0	70,000	880,000	950,000
Swift Boulevard Improvements	TR160002	0	0	980,000	0	0	0	0	0	980,000
Vantage Highway Pathway - Phase II	TR140020	0	0	0	75,000	595,000	0	0	0	670,000
Vantage Highway Pathway - Phase III	TR150027	0	0	0	0	0	50,000	550,000	0	600,000
Transportation Total:		25,539,574	4,850,977	24,946,843	21,473,500	9,615,160	6,177,400	10,330,000	10,478,800	113,412,254
Wastewater										
Collection System Renewal & Replacement	WW130001	8,226,646	2,314,000	1,652,000	1,705,000	1,761,000	1,818,000	1,878,000	1,939,000	21,293,646
Influent Upgrades	WW130003	100,000	2,183,000	0	0	0	0	0	0	2,283,000
Wastewater Treatment Facility Renewal & Replacement	WW130006	3,268,369	405,000	551,000	568,000	587,000	606,000	626,000	646,000	7,257,369
Wastewater Total:		11,595,015	4,902,000	2,203,000	2,273,000	2,348,000	2,424,000	2,504,000	2,585,000	30,834,015
Water										
Automatic Meter Reading System	WA160001	0	235,000	3,000,000	0	0	0	0	0	3,235,000
Broadmoor Street Service Pressure Improvement	WA160005	0	0	0	0	0	110,000	0	0	110,000
Chief Joseph Middle School Irrigation Well	WA150010	0	0	150,000	0	0	0	0	0	150,000
Columbia River Intake Screen Upgrade	WA160002	0	0	200,000	100,000	4,330,000	0	0	0	4,630,000
Core 545 Zone Surge Analyses	WA170001	0	0	0	0	0	100,000	896,000	0	996,000

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Detail - Project Costs by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Distribution System Repairs & Replacement	WA130002	29,210,893	200,000	350,000	350,000	350,000	350,000	597,000	615,000	32,022,893
Irrigation Utility Capital Improvements	WA130003	1,609,173	230,000	100,000	100,000	100,000	100,000	100,000	100,000	2,439,173
Island View Supply Redundancy Project	WA160006	0	0	410,000	0	0	0	0	0	410,000
Leslie Road Service Pressure Improvement	WA160004	0	0	0	0	0	105,000	0	0	105,000
Orchard Way Service Pressure Improvement	WA160003	0	0	0	0	0	35,000	0	0	35,000
Tapteal I Pump Station Upgrade	WA160010	0	0	0	0	0	500,000	0	0	500,000
Water Treatment Plant Pumping Capacity Improvement	WA170002	0	0	0	0	0	0	0	766,000	766,000
Water Treatment Plant Renewal & Replacement	WA130007	2,666,770	361,000	225,000	225,000	225,000	225,000	225,000	225,000	4,377,770
WTP Solids Handling Improvements	WA130006	0	0	0	0	0	400,000	0	0	400,000
Yakima River Crossing Pipeline Replacement	WA130008	341,250	1,000,000	1,725,000	3,585,000	602,000	0	0	0	7,253,250
Water Total:		33,828,086	2,026,000	6,160,000	4,360,000	5,607,000	1,925,000	1,818,000	1,706,000	57,430,086
Waterfront										
Columbia Playfield Improvements	WF140007	1,040,958	363,000	183,000	230,000	30,000	330,000	0	0	2,176,958
Columbia Point Marina Park Enhancements	WF150015	428,846	294,000	350,000	410,000	250,000	150,000	0	0	1,882,846
Columbia Pt. Golf Course Clubhouse Modernization & Course	WF160003	0	266,000	30,000	0	0	0	0	0	296,000
Fire Station 71 - Replacement Station	WF140004	0	0	0	0	0	0	0	5,050,000	5,050,000
George Prout Pool Renewal	WF170001	0	0	200,000	20,000	130,000	0	0	0	350,000
Howard Amon Park:Riverfront Trail & Beach Restoration	WF140011	180,000	185,400	200,000	320,000	450,000	340,000	390,000	0	2,065,400
John Dam Plaza Improvements	WF140008	1,450,894	25,000	0	0	240,000	200,000	200,000	200,000	2,315,894
Leslie Groves Park Enhancements	WF160002	0	0	0	120,000	150,000	200,000	0	0	470,000
Shoreline Enhancement & Deferred Maintenance	WF140010	60,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	270,000
Swift Corridor: City Hall Replacement	WF140003	1,866,205	16,756,851	0	0	0	0	0	0	18,623,056
Waterfront District Vision Plan	WF140002	101,500	10,000	0	0	0	0	0	0	111,500
Wayfinding Signage & Gateway Entrance Improvements	WF140012	316,311	36,000	450,000	320,000	0	0	0	0	1,122,311
Waterfront Total:		5,444,714	17,966,251	1,443,000	1,450,000	1,280,000	1,250,000	620,000	5,280,000	34,733,965
Report Total:		90,930,678	53,368,832	62,171,602	59,923,973	42,981,616	27,452,897	29,963,933	56,633,810	423,427,341

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Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Electric										
Benton PUD Contributions		0	300,000	750,000	550,000	500,000	0	0	0	2,100,000
Bonds - Future Issue		0	0	2,568,000	3,038,000	6,798,000	7,556,000	4,639,000	5,501,000	30,100,000
Bonds - Prior Issue		2,724,000	9,721,000	4,775,000	681,000	392,000	0	0	0	18,293,000
Facility Fees		500,000	500,000	500,000	600,000	600,000	700,000	700,000	1,800,000	5,900,000
Rate Revenue		3,057,000	3,791,000	6,320,000	5,504,000	2,409,000	1,869,000	3,477,000	3,377,000	29,804,000
Electric Total:		6,281,000	14,312,000	14,913,000	10,373,000	10,699,000	10,125,000	8,816,000	10,678,000	86,197,000
Municipal										
Capital Lease/LT Debt Proceeds		0	810,000	0	0	730,000	0	0	745,000	2,285,000
Criminal Justice Sales Tax		96,000	69,046	55,266	56,743	56,670	55,204	56,308	57,434	502,671
Electric Fund		334,250	817,180	715,100	610,190	514,497	289,819	298,513	307,468	3,887,017
Equipment Maint Fund		13,640	94,609	55,643	48,635	39,301	17,412	18,283	19,197	306,720
Equipment Reserves		(395,090)	1,598,719	(241,940)	712,663	3,022,177	(36,524)	91,556	(1,966,094)	2,785,467
Facility Fees		0	100,000	50,000	0	0	0	0	0	150,000
General Fund		1,262,815	2,939,620	1,546,700	1,436,690	1,304,132	954,972	1,002,721	1,052,857	11,500,507
Healthcare Benefits Fund		0	158,053	36,804	41,757	28,885	0	0	0	265,499
Industrial Development Fund		0	17,808	1,634,776	936,092	7,673	0	0	0	2,596,349
Medical Services Fund		129,250	178,410	282,710	298,647	258,427	159,535	167,512	175,888	1,650,379
Public Works Admin & Eng		10,500	55,689	71,979	36,070	38,424	39,930	43,923	48,315	344,830
Rate Revenue		0	100,000	50,000	0	0	0	0	0	150,000
REET-RE Excise Tax 1st 1/4%		0	0	650,000	0	0	0	0	0	650,000
Service Agreement Revenue		0	0	0	4,000,000	0	0	0	0	4,000,000
Solid Waste Fund		735,500	112,655	937,744	1,022,937	1,067,851	1,067,695	1,174,464	1,291,911	7,410,757
Stormwater Fund		85,670	107,787	104,249	107,148	104,120	94,093	96,915	99,823	799,805
Street Fund		0	0	23,372	0	0	0	0	0	23,372
Streets Fund (GF)		180,881	191,417	171,805	181,453	185,447	184,423	193,644	203,326	1,492,396
Unfunded		0	0	0	0	0	0	0	20,492,799	20,492,799
Wastewater Fund		226,785	383,429	245,997	283,152	310,292	283,664	297,847	312,739	2,343,905
Water Fund		133,310	320,682	314,967	320,296	310,560	252,150	302,580	363,096	2,317,641
Municipal Total:		2,813,511	8,055,104	6,705,172	10,092,473	7,978,456	3,362,373	3,744,266	23,203,759	65,955,114

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Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Parks										
CDBG Funds		0	0	80,000	0	0	0	0	0	80,000
Criminal Justice Sales Tax		0	91,000	20,000	10,000	10,000	10,000	0	0	141,000
Donations		78,580	0	350,000	0	0	0	0	0	428,580
Electric Fund		117,950	14,760	227,106	6,815	6,815	6,815	6,815	0	387,076
Equipment Maint Fund		0	6,921	1,089	1,138	1,138	1,138	1,138	0	12,562
General Fund		1,672,357	215,280	1,501,660	1,033,300	1,033,300	1,033,300	1,033,300	0	7,522,497
Grant - RCO		215,676	0	350,000	0	0	0	0	500,000	1,065,676
Library Capital Reserve		0	0	0	0	0	300,000	0	0	300,000
LTGO Bond Fund		15,000	0	0	0	0	0	0	0	15,000
Medical Services Fund		1,700	0	2,482	1,215	1,215	1,215	1,215	0	9,042
Park Partnership Program		0	5,000	0	0	0	0	0	0	5,000
Parks Reserve Fund		248,246	0	0	0	0	0	0	0	248,246
Parks Reserve Fund (Undesignated)		204,000	20,000	20,000	0	0	0	0	0	244,000
Parks Reserve-Park District 1		31,000	0	60,000	0	0	0	0	0	91,000
Parks Reserve-Park District 2		0	0	50,000	0	0	0	0	0	50,000
Parks Reserve-Park District 3		196,000	0	0	50,000	50,000	0	0	0	296,000
Parks Reserve-Park District 4		0	0	0	0	0	0	0	1,100,000	1,100,000
Public Works Admin & Eng		0	2,763	982	1,027	1,027	1,027	1,027	0	7,853
REET-RE Excise Tax 1st 1/4%		330,000	427,000	5,000	0	250,000	250,000	250,000	250,000	1,762,000
REET-RE Excise Tax 2nd 1/4%		20,000	40,000	50,000	250,000	250,000	50,000	20,000	20,000	700,000
Solid Waste Fund		8,750	1,782	5,323	1,440	1,440	1,440	1,440	0	21,615
Stormwater Fund		6,300	1,080	467	250	250	250	250	0	8,847
Streets Fund (GF)		0	8,262	1,600	1,672	1,672	1,672	1,672	0	16,550
Wastewater Fund		30,100	8,253	4,823	822	822	822	822	0	46,464
Water Fund		44,800	10,899	69,468	2,321	2,321	2,321	2,321	0	134,451
WCIA Insurance Settlement Pmt		20,000	0	0	0	0	0	0	0	20,000
Parks Total:		3,240,459	853,000	2,800,000	1,360,000	1,610,000	1,660,000	1,320,000	1,870,000	14,713,459
Solid Waste										
Rate Revenue		143,512	165,000	20,000	20,000	20,000	20,000	20,000	20,000	428,512

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Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Solid Waste Closure & Gen Ob Bonds		0	0	1,275,000	7,225,000	0	0	0	0	8,500,000
Solid Waste Fund (Rsv for closure)		0	0	0	225,000	3,555,000	0	0	0	3,780,000
Solid Waste Total:		143,512	165,000	1,295,000	7,470,000	3,575,000	20,000	20,000	20,000	12,708,512
Stormwater										
Grant - WA State Dept of Ecology		759,717	0	453,065	0	0	0	0	0	1,212,782
Grant Funds (Unsecured)		0	0	56,250	500,250	118,500	339,000	549,750	564,000	2,127,750
Rate Revenue		1,285,090	238,500	1,196,272	571,750	150,500	170,124	241,917	248,251	4,102,404
Stormwater Total:		2,044,807	238,500	1,705,587	1,072,000	269,000	509,124	791,667	812,251	7,442,936
Transportation										
2013 BFCOG STP Funding Dist		1,048,107	0	0	0	0	0	0	0	1,048,107
2017 BFCOG STP Funding Dist		0	0	789,449	0	0	0	0	0	789,449
Benton County Rural Dev Funds (City)		0	0	2,850,000	0	0	0	1,200,000	0	4,050,000
Business License Reserve Fund		25,700	0	15,000	25,000	25,000	25,000	25,000	0	140,700
CDBG Funds		440,515	65,000	95,000	65,000	65,000	65,000	65,000	0	860,515
City of Kennewick (RR Negotiation)		1,059,260	0	0	0	0	0	0	0	1,059,260
Developer Contribution (ROW)		0	136,000	0	0	0	0	0	0	136,000
Donations		0	0	10,000	0	0	0	0	0	10,000
Federal Appropriation (2013 Budget)		325,383	0	0	0	0	0	0	0	325,383
General Fund		1,935,463	930,000	930,000	930,000	930,000	930,000	930,000	930,000	8,445,463
General Fund (in Lieu of PWTF Debt Svc)		257,892	0	0	0	0	0	0	0	257,892
General Obligation Bonds (TBD)		0	0	0	0	0	0	0	0	0
Grant - BFCOG STP Funding (Unsecured)		0	0	55,000	865,000	0	0	0	0	920,000
Grant - BFCOG TAP Fund Award		0	0	50,000	353,623	0	0	0	0	403,623
Grant - Ecology (Unsecured)		0	0	15,000	438,065	0	0	0	0	453,065
Grant - STP Fund - COG (Unsecured)		0	900,000	0	556,770	663,230	0	0	0	2,120,000
Grant - TAP (UL) (Unsecured)		0	0	0	0	0	30,000	500,000	0	530,000
Grant - TIB		0	644,000	0	0	0	0	0	0	644,000
Grant - TIB (Unsecured)		0	1,293,860	4,000,000	4,300,420	116,930	330,720	325,000	3,743,280	14,110,210
Grant - Washington State		200,000	0	12,010,551	4,905,665	3,083,784	0	0	0	20,200,000
Grant - WSDOT Bike/Ped (Unsecured)		0	0	0	0	0	0	800,000	0	800,000



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Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Grant - WSDOT NHS (Unsecured)		0	0	500,000	2,573,600	0	0	0	0	3,073,600
Grant Funds (Unsecured)		0	0	1,600,000	64,875	594,900	556,075	648,750	0	3,464,600
HSIP Funds (Secured)		32,436	0	0	0	0	0	0	0	32,436
Impact Fees		201,150	100,000	120,000	470,000	230,850	920,000	70,000	70,000	2,182,000
Industrial Development Fund		320,000	0	0	0	0	0	0	0	320,000
LTGO 98 Fund		715,000	0	0	0	0	0	0	0	715,000
Port of Kennewick		0	0	0	800,000	0	0	0	0	800,000
Private Partner		40,000	0	215,000	0	0	0	0	0	255,000
Public Works Trust Fund Loan		750,000	0	0	0	0	0	0	0	750,000
REET-RE Excise Tax 1st 1/4%		690,119	10,000	0	135,125	89,250	312,805	301,250	0	1,538,549
REET-RE Excise Tax 2nd 1/4%		3,500,064	475,000	790,000	660,000	310,000	310,000	610,000	1,235,820	7,890,884
Sewer Coll Sys Renewal & Replc		0	0	75,000	0	0	0	0	0	75,000
Solid Waste Closure & Gen Ob Bonds		1,000,000	90,000	0	204,335	366,216	0	0	0	1,660,551
Stormwater Fund		0	0	5,000	146,022	0	0	0	0	151,022
STP - Urban Grant		524,990	0	0	0	0	0	0	0	524,990
STP Fund (Secured-COG)		728,883	207,117	0	0	0	0	0	0	936,000
STP Fund (Unsecured-COG)		0	0	0	0	0	137,800	125,000	1,559,700	1,822,500
STP-UL Funds (Secured)		86,500	0	0	0	0	0	0	0	86,500
Street Fund - Fuel Tax		2,304,601	0	0	0	0	0	0	0	2,304,601
Street Fund - Utility Charges		2,687,270	0	0	0	0	0	0	0	2,687,270
Street Fund - Utility Occupation Tax		6,129,241	0	0	0	0	0	0	0	6,129,241
Streets M&O Fund		537,000	0	0	0	0	0	0	0	537,000
Transportation Benefit District		0	0	746,843	690,000	630,000	637,000	643,000	650,000	3,996,843
Unfunded		0	0	0	2,040,000	1,260,000	1,923,000	4,087,000	2,290,000	11,600,000
Water Dist Sys Renewal & Replc		0	0	75,000	0	0	0	0	0	75,000
WSDOT SR 240 Project Funds		0	0	0	1,250,000	1,250,000	0	0	0	2,500,000
Transportation Total:		25,539,574	4,850,977	24,946,843	21,473,500	9,615,160	6,177,400	10,330,000	10,478,800	113,412,254
Wastewater										
Bonds - Prior Issue		100,000	2,183,000	0	0	0	0	0	0	2,283,000
Facility Fees		0	1,200,000	600,000	600,000	600,000	600,000	600,000	600,000	4,800,000

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Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Rate Revenue		11,495,015	1,519,000	1,603,000	1,673,000	1,748,000	1,824,000	1,904,000	1,985,000	23,751,015
	Wastewater Total:	11,595,015	4,902,000	2,203,000	2,273,000	2,348,000	2,424,000	2,504,000	2,585,000	30,834,015
Water										
Bonds - Future Issue		0	0	0	0	4,330,000	0	0	0	4,330,000
Bonds - Prior Issue		5,432,500	250,000	581,699	3,585,000	602,000	0	0	0	10,451,199
Facility Fees		35,000	117,500	1,985,000	0	0	250,000	0	0	2,387,500
Grant - FEMA		100,000	750,000	1,143,301	0	0	0	0	0	1,993,301
Grant - Supplemental/Federal		503,000	0	0	0	0	0	0	0	503,000
Public Works Trust Fund Loan		15,525,414	0	0	0	0	0	0	0	15,525,414
Rate Revenue		12,232,172	908,500	2,400,000	775,000	675,000	1,025,000	1,818,000	1,706,000	21,539,672
Richland School District		0	0	50,000	0	0	0	0	0	50,000
Surplus Property Sale		0	0	0	0	0	400,000	0	0	400,000
West Richland		0	0	0	0	0	250,000	0	0	250,000
	Water Total:	33,828,086	2,026,000	6,160,000	4,360,000	5,607,000	1,925,000	1,818,000	1,706,000	57,430,086
Waterfront										
Bond Proceeds		0	15,000,000	0	0	0	0	0	0	15,000,000
Bonds - Future Issue		0	0	0	0	0	0	0	5,050,000	5,050,000
Business License Reserve Fund		181,894	0	50,000	50,000	90,000	50,000	0	0	421,894
CDBG Funds		0	63,000	0	0	0	0	0	0	63,000
Criminal Justice Sales Tax		20,000	0	0	0	0	0	0	0	20,000
Donations		60,000	100,000	0	0	0	0	0	0	160,000
General Fund		66,000	10,000	353,000	480,000	30,000	30,000	0	0	969,000
General Fund - Facility Reserves		205,000	225,000	0	0	0	0	0	0	430,000
Grant		900,000	180,000	0	0	0	0	0	0	1,080,000
Grant - RCO		0	235,400	0	150,000	0	170,000	0	0	555,400
Grant (YAF)		203,846	0	0	0	0	0	0	0	203,846
Grant Funds (Unsecured)		0	176,000	0	0	0	0	0	0	176,000
Hotel/Motel-Lodging Funds		179,183	200,000	330,000	120,000	50,000	50,000	0	0	929,183
Industrial Development Fund		217,637	308,000	0	60,000	0	0	0	0	585,637
Land Sale (Swift & GWW)		111,205	0	0	0	0	0	0	0	111,205

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Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Library Const. Fund (Added Parking)		250,000	0	0	0	0	0	0	0	250,000
Lodging Tax Grant (Secured)		771,775	0	0	0	0	0	0	0	771,775
LTGO 98 Fund		550,000	0	0	0	0	0	0	0	550,000
LTGO Bond Fund		250,000	0	0	0	0	0	0	0	250,000
Parks Reserve Fund (Undesignated)		187,500	30,000	110,000	30,000	60,000	30,000	30,000	30,000	507,500
Parks Reserve-Park District 1		0	0	220,000	100,000	180,000	0	0	0	500,000
Parks Reserve-Park District 2		14,500	0	0	0	0	0	0	0	14,500
Private Funding		50,000	0	0	0	0	0	0	0	50,000
REET-RE Excise Tax 1st 1/4%		566,174	604,200	130,000	140,000	70,000	500,000	0	0	2,010,374
REET-RE Excise Tax 2nd 1/4%		0	0	250,000	320,000	500,000	420,000	200,000	200,000	1,890,000
Right-of-Way Sale (Secured)		160,000	0	0	0	0	0	0	0	160,000
Unfunded		0	0	0	0	300,000	0	390,000	0	690,000
Utility Occ Tax Increase		500,000	834,651	0	0	0	0	0	0	1,334,651
Waterfront Total:		5,444,714	17,966,251	1,443,000	1,450,000	1,280,000	1,250,000	620,000	5,280,000	34,733,965
Report Total:		90,930,678	53,368,832	62,171,602	59,923,973	42,981,616	27,452,897	29,963,933	56,633,810	423,427,341

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Summary Funding Source List by Year

Source	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
2013 BFCOG STP Funding Dist	1,048,107	0	0	0	0	0	0	0	1,048,107
2017 BFCOG STP Funding Dist	0	0	789,449	0	0	0	0	0	789,449
Benton County Rural Dev Funds	0	0	2,850,000	0	0	0	1,200,000	0	4,050,000
Benton PUD Contributions	0	300,000	750,000	550,000	500,000	0	0	0	2,100,000
Bonds - Future Issue	0	0	2,568,000	3,038,000	11,128,000	7,556,000	4,639,000	10,551,000	39,480,000
Bonds - Prior Issue	8,256,500	27,154,000	5,356,699	4,266,000	994,000	0	0	0	46,027,199
Business License Reserve Fund	207,594	0	65,000	75,000	115,000	75,000	25,000	0	562,594
Capital Lease/LT Debt Proceeds	0	810,000	0	0	730,000	0	0	745,000	2,285,000
CDBG Funds	440,515	128,000	175,000	65,000	65,000	65,000	65,000	0	1,003,515
City of Kennewick (RR Negotiation)	1,059,260	0	0	0	0	0	0	0	1,059,260
Criminal Justice Sales Tax	116,000	160,046	75,266	66,743	66,670	65,204	56,308	57,434	663,671
Developer Contribution (ROW)	0	136,000	0	0	0	0	0	0	136,000
Donations	138,580	100,000	360,000	0	0	0	0	0	598,580
Electric Fund	452,200	831,940	942,206	617,005	521,312	296,634	305,328	307,468	4,274,093
Equipment Maint Fund	13,640	101,530	56,732	49,773	40,439	18,550	19,421	19,197	319,282
Equipment Reserves	(395,090)	1,598,719	(241,940)	712,663	3,022,177	(36,524)	91,556	(1,966,094)	2,785,467
Facility Fees	535,000	1,917,500	3,135,000	1,200,000	1,200,000	1,550,000	1,300,000	2,400,000	13,237,500
Federal Appropriation (2013 Budget)	325,383	0	0	0	0	0	0	0	325,383
General Fund	4,936,635	4,094,900	4,331,360	3,879,990	3,297,432	2,948,272	2,966,021	1,982,857	28,437,467
General Fund - Facility Reserves	205,000	225,000	0	0	0	0	0	0	430,000
General Fund (in Lieu of PWTF Debt)	257,892	0	0	0	0	0	0	0	257,892
General Obligation Bonds (TBD)	0	0	0	0	0	0	0	0	0
Grant	900,000	180,000	0	0	0	0	0	0	1,080,000
Grant - BFCOG STP Funding	0	0	55,000	865,000	0	0	0	0	920,000
Grant - BFCOG TAP Fund Award	0	0	50,000	353,623	0	0	0	0	403,623
Grant - Ecology (Unsecured)	0	0	15,000	438,065	0	0	0	0	453,065
Grant - FEMA	100,000	750,000	1,143,301	0	0	0	0	0	1,993,301
Grant - RCO	215,676	235,400	350,000	150,000	0	170,000	0	500,000	1,621,076
Grant - STP Fund - COG (Unsecured)	0	900,000	0	556,770	663,230	0	0	0	2,120,000

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Summary Funding Source List by Year

Source	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Grant - Supplemental/Federal	503,000	0	0	0	0	0	0	0	503,000
Grant - TAP (UL) (Unsecured)	0	0	0	0	0	30,000	500,000	0	530,000
Grant - TIB	0	644,000	0	0	0	0	0	0	644,000
Grant - TIB (Unsecured)	0	1,293,860	4,000,000	4,300,420	116,930	330,720	325,000	3,743,280	14,110,210
Grant - WA State Dept of Ecology	759,717	0	453,065	0	0	0	0	0	1,212,782
Grant - Washington State	200,000	0	12,010,551	4,905,665	3,083,784	0	0	0	20,200,000
Grant - WSDOT Bike/Ped (Unsecured)	0	0	0	0	0	0	800,000	0	800,000
Grant - WSDOT NHS (Unsecured)	0	0	500,000	2,573,600	0	0	0	0	3,073,600
Grant (YAF)	203,846	0	0	0	0	0	0	0	203,846
Grant Funds (Unsecured)	0	176,000	1,656,250	565,125	713,400	895,075	1,198,500	564,000	5,768,350
Healthcare Benefits Fund	0	158,053	36,804	41,757	28,885	0	0	0	265,499
Hotel/Motel-Lodging Funds	179,183	200,000	330,000	120,000	50,000	50,000	0	0	929,183
HSIP Funds (Secured)	32,436	0	0	0	0	0	0	0	32,436
Impact Fees	201,150	100,000	120,000	470,000	230,850	920,000	70,000	70,000	2,182,000
Industrial Development Fund	537,637	325,808	1,634,776	996,092	7,673	0	0	0	3,501,986
Land Sale (Swift & GWW)	111,205	0	0	0	0	0	0	0	111,205
Library Capital Reserve	0	0	0	0	0	300,000	0	0	300,000
Library Const. Fund (Added Parking)	250,000	0	0	0	0	0	0	0	250,000
Lodging Tax Grant (Secured)	771,775	0	0	0	0	0	0	0	771,775
LTGO 98 Fund	1,265,000	0	0	0	0	0	0	0	1,265,000
LTGO Bond Fund	265,000	0	0	0	0	0	0	0	265,000
Medical Services Fund	130,950	178,410	285,192	299,862	259,642	160,750	168,727	175,888	1,659,421
Park Partnership Program	0	5,000	0	0	0	0	0	0	5,000
Parks Reserve Fund	248,246	0	0	0	0	0	0	0	248,246
Parks Reserve Fund (Undesignated)	391,500	50,000	130,000	30,000	60,000	30,000	30,000	30,000	751,500
Parks Reserve-Park District 1	31,000	0	280,000	100,000	180,000	0	0	0	591,000
Parks Reserve-Park District 2	14,500	0	50,000	0	0	0	0	0	64,500
Parks Reserve-Park District 3	196,000	0	0	50,000	50,000	0	0	0	296,000
Parks Reserve-Park District 4	0	0	0	0	0	0	0	1,100,000	1,100,000

2018-2023 Capital Improvement Plan



Capital Improvement Plan

2018 thru 2023

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FIN-BUD-CIP-003

Summary Funding Source List by Year

Source	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Port of Kennewick	0	0	0	800,000	0	0	0	0	800,000
Private Funding	50,000	0	0	0	0	0	0	0	50,000
Private Partner	40,000	0	215,000	0	0	0	0	0	255,000
Public Works Admin & Eng	10,500	58,452	72,961	37,097	39,451	40,957	44,950	48,315	352,683
Public Works Trust Fund Loan	16,275,414	0	0	0	0	0	0	0	16,275,414
Rate Revenue	28,212,789	6,722,000	11,589,272	8,543,750	5,002,500	4,908,124	7,460,917	7,336,251	79,775,603
REET-RE Excise Tax 1st 1/4%	1,586,293	1,041,200	785,000	275,125	409,250	1,062,805	551,250	250,000	5,960,923
REET-RE Excise Tax 2nd 1/4%	3,520,064	515,000	1,090,000	1,230,000	1,060,000	780,000	830,000	1,455,820	10,480,884
Richland School District	0	0	50,000	0	0	0	0	0	50,000
Right-of-Way Sale (Secured)	160,000	0	0	0	0	0	0	0	160,000
Service Agreement Revenue	0	0	0	4,000,000	0	0	0	0	4,000,000
Sewer Coll Sys Renewal & Replc	0	0	75,000	0	0	0	0	0	75,000
Solid Waste Closure & Gen Ob Bonds	1,000,000	90,000	1,275,000	7,429,335	366,216	0	0	0	10,160,551
Solid Waste Fund	744,250	114,437	943,067	1,024,377	1,069,291	1,069,135	1,175,904	1,291,911	7,432,372
Solid Waste Fund (Rsv for closure)	0	0	0	225,000	3,555,000	0	0	0	3,780,000
Stormwater Fund	91,970	108,867	109,716	253,420	104,370	94,343	97,165	99,823	959,674
STP - Urban Grant	524,990	0	0	0	0	0	0	0	524,990
STP Fund (Secured-COG)	728,883	207,117	0	0	0	0	0	0	936,000
STP Fund (Unsecured-COG)	0	0	0	0	0	137,800	125,000	1,559,700	1,822,500
STP-UL Funds (Secured)	86,500	0	0	0	0	0	0	0	86,500
Street Fund - Fuel Tax	2,304,601	0	0	0	0	0	0	0	2,304,601
Street Fund - Utility Charges	2,687,270	0	0	0	0	0	0	0	2,687,270
Street Fund - Utility Occupation Tax	6,129,241	0	0	0	0	0	0	0	6,129,241
Streets Fund (GF)	717,881	199,679	196,777	183,125	187,119	186,095	195,316	203,326	2,069,318
Surplus Property Sale	0	0	0	0	0	400,000	0	0	400,000
Transportation Benefit District	0	0	746,843	690,000	630,000	637,000	643,000	650,000	3,996,843
Unfunded	0	0	0	2,040,000	1,560,000	1,923,000	4,477,000	22,782,799	32,782,799
Utility Occ Tax Increase	500,000	834,651	0	0	0	0	0	0	1,334,651
Wastewater Fund	256,885	391,682	250,820	283,974	311,114	284,486	298,669	312,739	2,390,369

2018-2023 Capital Improvement Plan



Capital Improvement Plan

2018 thru 2023

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FIN-BUD-CIP-003

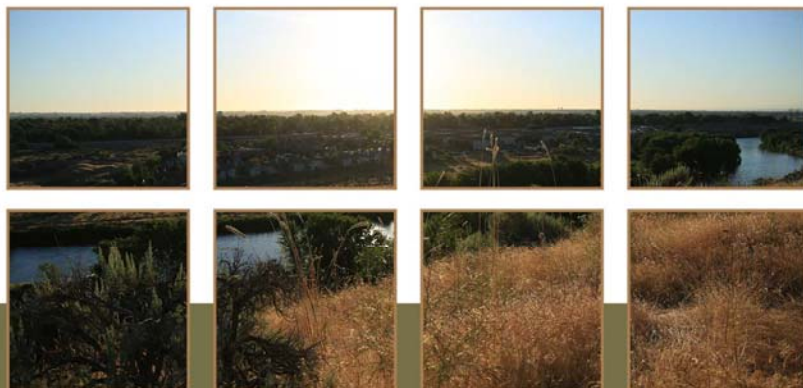
Summary Funding Source List by Year

Source	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Water Dist Sys Renewal & Replc	0	0	75,000	0	0	0	0	0	75,000
Water Fund	178,110	331,581	384,435	322,617	312,881	254,471	304,901	363,096	2,452,092
WCIA Insurance Settlement Pmt	20,000	0	0	0	0	0	0	0	20,000
West Richland	0	0	0	0	0	250,000	0	0	250,000
WSDOT SR 240 Project Funds	0	0	0	1,250,000	1,250,000	0	0	0	2,500,000
Report Total:	90,930,678	53,368,832	62,171,602	59,923,973	42,981,616	27,452,897	29,963,933	56,633,810	423,427,341

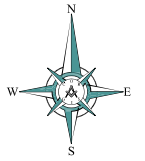
2018-2023 Capital Improvement Plan



Electric



Capital Improvement Plan

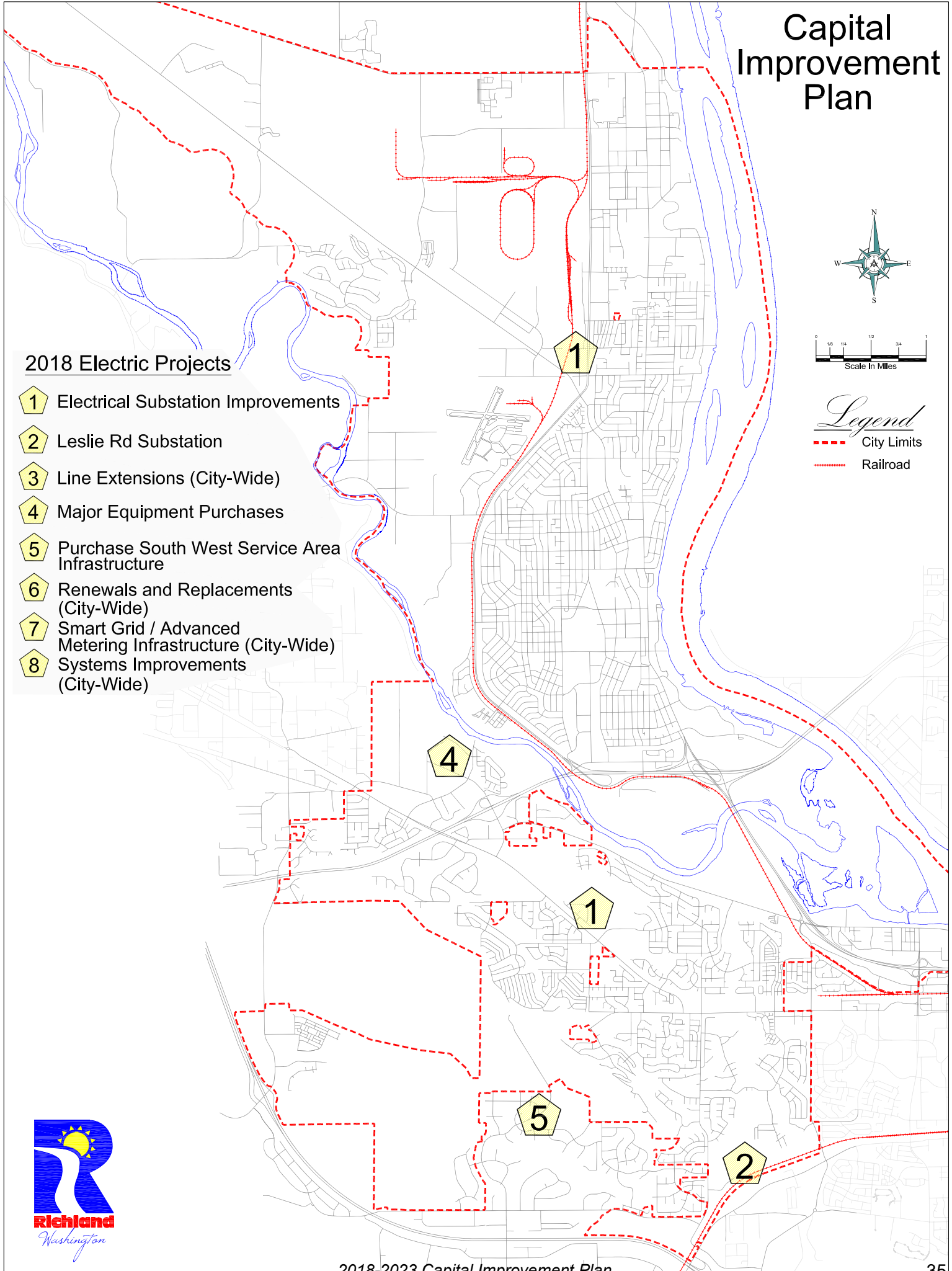


Legend

- City Limits
- Railroad

2018 Electric Projects

- 1 Electrical Substation Improvements
- 2 Leslie Rd Substation
- 3 Line Extensions (City-Wide)
- 4 Major Equipment Purchases
- 5 Purchase South West Service Area Infrastructure
- 6 Renewals and Replacements (City-Wide)
- 7 Smart Grid / Advanced Metering Infrastructure (City-Wide)
- 8 Systems Improvements (City-Wide)





Capital Improvement Plan

2018 thru 2023

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Electric Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Electric										
PROJECT COSTS										
Dallas Rd Area Improvements	ES130001	66,000	1,497,000	0	1,951,000	3,179,000	0	1,093,000	1,093,000	8,879,000
Electrical Substation Improvements	ES130007	448,000	2,850,000	424,000	0	392,000	3,236,000	2,774,000	654,000	10,778,000
Equipment Storage and Maintenance Repair Shop	ES130012	0	0	0	0	636,000	0	0	0	636,000
Hanford Substation	ES130002	0	0	0	0	0	0	0	4,300,000	4,300,000
Kingsgate Substation	ES130003	0	0	0	0	2,119,000	2,119,000	0	0	4,238,000
Leslie Rd Substation	ES130004	738,000	3,613,000	4,095,000	731,000	0	0	0	0	9,177,000
Line Extensions	ES130008	2,430,000	2,316,000	1,288,000	1,288,000	1,288,000	1,288,000	1,288,000	1,288,000	12,474,000
Major Equipment Purchases	ES160001	0	315,000	265,000	0	488,000	0	318,000	0	1,386,000
Purchase Southwest Service Area Infrastructure	ES130009	15,000	254,000	158,000	0	0	200,000	0	0	627,000
Renewal & Replacement	ES130010	913,000	1,625,000	3,923,000	2,245,000	1,702,000	1,281,000	2,889,000	2,889,000	17,467,000
Smart Grid / Advanced Metering Infrastructure	ES130005	214,000	350,000	3,031,000	2,571,000	0	0	0	0	6,166,000
Systems Improvements	ES130011	1,457,000	1,492,000	1,729,000	1,587,000	895,000	2,001,000	454,000	454,000	10,069,000
Electric Total:		6,281,000	14,312,000	14,913,000	10,373,000	10,699,000	10,125,000	8,816,000	10,678,000	86,197,000
FUNDING SOURCES										
Electric										
Benton PUD Contributions		0	300,000	750,000	550,000	500,000	0	0	0	2,100,000
Bonds - Future Issue		0	0	2,568,000	3,038,000	6,798,000	7,556,000	4,639,000	5,501,000	30,100,000
Bonds - Prior Issue		2,724,000	9,721,000	4,775,000	681,000	392,000	0	0	0	18,293,000
Facility Fees		500,000	500,000	500,000	600,000	600,000	700,000	700,000	1,800,000	5,900,000
Rate Revenue		3,057,000	3,791,000	6,320,000	5,504,000	2,409,000	1,869,000	3,477,000	3,377,000	29,804,000
Electric Total:		6,281,000	14,312,000	14,913,000	10,373,000	10,699,000	10,125,000	8,816,000	10,678,000	86,197,000

Dallas Rd Area Improvements

Type of Project Electric		Partnership Project? <input type="checkbox"/> YES	Project # ES130001
Key # 2	Goal # 1	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Dallas Rd Area Improvements			
PROJECT ADMINISTRATION: Energy Services			
PROJECT LOCATION: Dallas Rd / I-182 (substation location)			
PROJECT TIMELINE: 2016 - 2022			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO			

PROJECT DESCRIPTION

Plan, design, and construct a new electrical system substation and connect via new and existing transmission power lines into the electric system grid.

PROJECT ASSUMPTIONS

BPA will approve plan / design to connect to BPA system. Partnership project with Benton PUD. WSDOT franchise agreement required to cross I-182. City has to secure right of way to site both the substation and the transmission lines. Load growth continues at present rates in the new Badger Mountain South Sub area as well as surrounding properties in southwest portion of the City.

BENEFITS

Additional electrical utility load capacity will be necessary due to growth. System reliability and regulatory mandates also have to be met to address utility load growth.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	3,391,000				1,265,000	2,126,000		-	
EXPERT SERVICES	4,244,000	44,000	1,400,000		250,000	550,000		1,000,000	1,000,000
LABOR	373,000	15,000	20,000		142,000	156,000		20,000	20,000
EQUIPMENT	81,000		4,000		44,000	33,000			
OVERHEAD	313,000	7,000	11,000		139,000	134,000		11,000	11,000
ENGINEERING	477,000		62,000		111,000	180,000		62,000	62,000
TOTAL	\$ 8,879,000	\$ 66,000	\$ 1,497,000	\$ -	\$ 1,951,000	\$ 3,179,000	\$ -	\$ 1,093,000	\$ 1,093,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	19,000					19,000			
REVENUE BOND ISSUE (2015)	1,563,000	66,000	1,497,000						
REVENUE BOND ISSUE (2018)	4,111,000				1,451,000	2,660,000			
REVENUE BOND ISSUE (2022)	2,186,000							1,093,000	1,093,000
BENTON PUD CONTRIBUTIONS	1,000,000				500,000	500,000			
	-								
TOTAL	\$ 8,879,000	\$ 66,000	\$ 1,497,000	\$ -	\$ 1,951,000	\$ 3,179,000	\$ -	\$ 1,093,000	\$ 1,093,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Electrical Substation Improvements

Type of Project Electric		Partnership Project? NO	Project # ES130007	
Key # 2	Goal # 2	Strategic Leadership Plan Project? No		
PROJECT NAME: Electrical Substation Improvements				
PROJECT ADMINISTRATION: Energy Services				
PROJECT LOCATION: Various locations - Eight City Substations				
PROJECT TIMELINE: Various				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

A variety of major improvement projects within the eight existing electric utility substation sites. Examples of work includes new transformer banks at Snyder and 115 kV bus modification at Tapteal substation.

PROJECT ASSUMPTIONS

Minor system improvement projects within the utility's substations are not included in this category of projects; rather are listed within the Systems Improvements or the Renewals & Replacements categories of the CIP . These major projects are funded primarily from revenue bonding. Approval from BPA on substation modifications. All work anticipated within existing r/w. Growth continues in north Richland area.

BENEFITS

Projects necessary to maintain reliable service on a continual basis, meet regulatory requirements, and maintain / enhance existing levels of electrical system reliability. These projects are evaluated and prioritized based on the extreme consequences that substation failure and/or capacity issues would have to the utility's customers. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	4,550,000	-	1,500,000				1,550,000	1,500,000	
EXPERT SERVICES	5,356,000	312,000	1,100,000	400,000		370,000	1,474,000	1,100,000	600,000
LABOR	231,000	89,000	120,000					11,000	11,000
EQUIPMENT	15,000	-	5,000				10,000		
OVERHEAD	141,000	47,000	64,000				18,000	6,000	6,000
ENGINEERING	485,000	-	61,000	24,000		22,000	184,000	157,000	37,000
TOTAL	\$ 10,778,000	\$ 448,000	\$ 2,850,000	\$ 424,000	\$ -	\$ 392,000	\$ 3,236,000	\$ 2,774,000	\$ 654,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	-								
REVENUE BOND ISSUE (2015)	4,114,000	448,000	2,850,000	424,000		392,000			
REVENUE BOND ISSUE (2020)	3,236,000						3,236,000		
REVENUE BOND ISSUE (2022)	3,428,000							2,774,000	654,000
	-								
	-								
TOTAL	\$ 10,778,000	\$ 448,000	\$ 2,850,000	\$ 424,000	\$ -	\$ 392,000	\$ 3,236,000	\$ 2,774,000	\$ 654,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	424,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 424,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Equipment Storage / Maintenance Repair Shop

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	Project # ES130012	
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="text" value="No"/>		
PROJECT NAME: <input type="text" value="Equipment Storage / Maintenance Repair Shop"/>				
PROJECT ADMINISTRATION: <input type="text" value="Energy Services"/>				
PROJECT LOCATION: <input type="text" value="City Shops"/>				
PROJECT TIMELINE: <input type="text" value="2020"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

Design and construct a new facility at the City Shops for storing equipment / vehicles, and repairing / maintaining transformers. The facility will also be designed to address oil containment and disposal issues related to EPA's 40 CFR 112. The existing room at the City Shops does not have adequate height for crane operation of transformers and does not have a necessary oil spill containment area. The facility will also be used as a chemical storage area.

PROJECT ASSUMPTIONS

Regulatory requirements for transformer oil will continue to be more restrictive. Aging City transformers will continue to need maintenance performed on an increasing basis. Room is available at the shops to site this facility.

BENEFITS

The maintenance repair shop will allow maintenance to be performed reducing regulatory requirement exposure and associated financial vulnerability. The equipment vehicle storage area will prolong the usable asset life.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	100,000					100,000			
EXPERT SERVICES	500,000					500,000			
LABOR	-								
EQUIPMENT	-								
OVERHEAD	-								
ENGINEERING	36,000					36,000			
TOTAL	\$ 636,000	\$ -	\$ -	\$ -	\$ -	\$ 636,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	-								
REVENUE BOND ISSUE (2020)	636,000					636,000			
	-								
	-								
	-								
TOTAL	\$ 636,000	\$ -	\$ -	\$ -	\$ -	\$ 636,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Hanford Substation

Type of Project

Electric

Partnership Project?

NO

Project #

ES130002

Key #

2

Goal #

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Hanford Substation

PROJECT ADMINISTRATION: Energy Services

PROJECT LOCATION: Cypress and Stevens Drive Intersection

PROJECT TIMELINE: 2023

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Plan, design, and construct a new electrical system substation / transmission lines and connect to the electric system grid operated by Bonneville Power Administration (BPA).

PROJECT ASSUMPTIONS

City has to secure right of way to site the substation and connect to the existing transmission lines. DOE land transfer progress will continue resulting in adjacent properties to be available and attractive for major industrial growth. Developer facility fees may pay a portion of the new substation costs based on load causation principles. Some project components may be pre-purchased or secured prior to 2023 depending on materials market availability. No cost escalation factors have been applied to 2013 estimated values.

BENEFITS

Additional electrical utility load capacity will be necessary due to growth. System reliability and regulatory mandates also have to be met to address utility load growth. This substation along with the North Richland substation and transmission power line feeding it will be critical to position for economic development opportunities on Hanford land transfer properties.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	300,000								300,000
EXPERT SERVICES	3,000,000								3,000,000
LABOR	100,000								100,000
EQUIPMENT	800,000								800,000
OVERHEAD	-								
ENGINEERING	100,000								100,000
TOTAL	\$ 4,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,300,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
FACILITY FEES	1,000,000								1,000,000
ELECTRIC RATE REVENUE	-								
REVENUE BOND ISSUE (2019)	-								
REVENUE BOND ISSUE (2021)	-								
REVENUE BOND ISSUE (2022)	3,300,000								3,300,000
TOTAL	\$ 4,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,300,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
RETAIL RATES PAY O&M COSTS (UNIT COSTS CURRENTLY BEING ANALYZED)	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Kingsgate Substation

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	Project # ES130003	
Key # 2	Goal # 1	Strategic Leadership Plan Project? Yes		
PROJECT NAME: <input style="width: 90%;" type="text" value="Kingsgate Substation"/>				
PROJECT ADMINISTRATION: <input style="width: 90%;" type="text" value="Energy Services"/>				
PROJECT LOCATION: <input style="width: 90%;" type="text" value="Intersection of Future Lowe Rd and Battelle Blvd"/>				
PROJECT TIMELINE: <input style="width: 80%;" type="text" value="2020 - 2021"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

New substation for the Horn Rapids Industrial Park. One 28,000 KVA capacity transformer and major materials purchased by City. Substation to be constructed and commissioned by the end of 2021.

PROJECT ASSUMPTIONS

City has to secure right of way to site the substation, the new transmission power line, and connect to the existing BPA transmission lines. DOE land transfer progress will continue resulting in adjacent properties to be available and attractive for major industrial growth. Developer facility fees may pay a portion of new substation costs based on load causation principles. Some project components may be pre-purchased or secured prior to 2020 depending on materials market availability and opportunities for right-of-way purchases that come available. No cost escalation factors have been applied to 2013 estimate values.

BENEFITS

Additional electrical utility load capacity will be necessary due to growth. System reliability and regulatory mandates also have to be met to address utility load growth. This substation and transmission power line feeding it will be critical to position for economic development opportunities on Hanford land transfer properties.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	2,200,000					1,100,000	1,100,000		
EXPERT SERVICES	1,700,000					850,000	850,000		
LABOR	50,000					25,000	25,000		
EQUIPMENT	20,000					10,000	10,000		
OVERHEAD	28,000					14,000	14,000		
ENGINEERING	240,000					120,000	120,000		
TOTAL	\$ 4,238,000	\$ -	\$ -	\$ -	\$ -	\$ 2,119,000	\$ 2,119,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	-								
REVENUE BOND ISSUE (2018)	-								
REVENUE BOND ISSUE (2020)	4,238,000					2,119,000	2,119,000		
	-								
	-								
TOTAL	\$ 4,238,000	\$ -	\$ -	\$ -	\$ -	\$ 2,119,000	\$ 2,119,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Leslie Rd Substation

Type of Project Electric		Partnership Project? YES	Project # ES130004	
Key # 2	Goal # 1	Strategic Leadership Plan Project? Yes		
PROJECT NAME: Leslie Rd Substation				
PROJECT ADMINISTRATION: Energy Services				
PROJECT LOCATION: Northwest corner of Leslie & Rachel Roads intersection				
PROJECT TIMELINE: 2015 - 2019				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Plan, design, and construct a new electrical system substation and connect into the electrical system grid operated by Bonneville Power Administration (BPA). Additionally, plan, design and construct primary underground distribution feeders from new substation to the City's new and existing electrical system.

PROJECT ASSUMPTIONS

Negotiate and apply to BPA regarding connection of new City for a new point of delivery, pay for upgrades to Badger Canyon substation and reconfigure BPA transmission line to serve the new load. Investments in this area will be paid back through rate revenues. Secure land for the new substation. Although all costs included in estimates below come from original stand alone City substation, it is assumed that costs will be offset through partnership with Benton PUD to apply for BPA interconnection, design, construct, and operate and maintain the new substation.

BENEFITS

Additional electrical utility load capacity will be necessary due to growth. System reliability and regulatory mandates also have to be met to address utility load growth.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	2,705,000	10,000	1,700,000	735,000	260,000				
EXPERT SERVICES	4,780,000	700,000	1,475,000	2,380,000	225,000				
LABOR	528,000	20,000	203,000	255,000	50,000				
EQUIPMENT	135,000		10,000	90,000	35,000				
OVERHEAD	639,000	8,000	108,000	403,000	120,000				
ENGINEERING	390,000		117,000	232,000	41,000				
TOTAL	\$ 9,177,000	\$ 738,000	\$ 3,613,000	\$ 4,095,000	\$ 731,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	-								
REVENUE BOND ISSUE (2015)	5,839,000	738,000	3,313,000	1,107,000	681,000				
REVENUE BOND ISSUE (2018)	2,238,000			2,238,000					
BENTON PUD CONTRIBUTIONS	1,100,000		300,000	750,000	50,000				
	-								
	-								
TOTAL	\$ 9,177,000	\$ 738,000	\$ 3,613,000	\$ 4,095,000	\$ 731,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
RETAIL RATES PAY O&M COSTS (UNIT COSTS CURRENTLY BEING ANALYZED)	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	4,095,000	401-XXX-XXXX-XXXXX-XXXX
TOTAL	\$ 4,095,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Line Extensions

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	Project # ES130008	
Key # 2	Goal # 1	Strategic Leadership Plan Project? No		
PROJECT NAME: <input type="text" value="Line Extensions"/>				
PROJECT ADMINISTRATION: <input type="text" value="Energy Services"/>				
PROJECT LOCATION: <input type="text" value="Various locations within the electric utility service area"/>				
PROJECT TIMELINE: <input type="text" value="Annual Ongoing"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

Capital improvement projects primarily for the purpose of extending electric utility infrastructure to new electric load.

PROJECT ASSUMPTIONS

Rate of growth with the associated development projects will follow historical trends. Funding for these projects through Facility Fees and retail rate cash. List of prospective projects is kept by City staff and used to plan for associated improvements. Some of these projects do not move forward, and other projects are identified during the year. Historical levels of expenditures are used to estimate the costs in this category.

BENEFITS

Appropriate planning, design, and construction of new-growth electric utility infrastructure results in higher system reliability and lower customer rates. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	5,592,000	1,842,000	750,000	500,000	500,000	500,000	500,000	500,000	500,000
EXPERT SERVICES	17,000	17,000							
LABOR	2,890,000	340,000	750,000	300,000	300,000	300,000	300,000	300,000	300,000
EQUIPMENT	472,000	17,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
OVERHEAD	2,875,000	214,000	585,000	346,000	346,000	346,000	346,000	346,000	346,000
ENGINEERING	628,000	-	166,000	77,000	77,000	77,000	77,000	77,000	77,000
TOTAL	\$ 12,474,000	\$ 2,430,000	\$ 2,316,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
FACILITY FEES	4,900,000	500,000	500,000	500,000	600,000	600,000	700,000	700,000	800,000
ELECTRIC RATE REVENUE	7,574,000	1,930,000	1,816,000	788,000	688,000	688,000	588,000	588,000	488,000
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 12,474,000	\$ 2,430,000	\$ 2,316,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000	\$ 1,288,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	1,288,000	401-XXX-XXXX-XXXXX-XXXX
TOTAL	\$ 1,288,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Major Equipment Purchases

Type of Project Electric		Partnership Project? NO	Project # ES160001	
Key #	Goal #	Strategic Leadership Plan Project?		No
PROJECT NAME: Major Equipment Purchases				
PROJECT ADMINISTRATION: Energy Services				
PROJECT LOCATION: Operations Vehicles				
PROJECT TIMELINE: Various				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Replacement of Major Equipment used for Power Operations.
 True up for vehicle replacement costs in 2018 as annual installments are not enough to cover current cost; Replace 3252 and 3253 bucket truck in 2020; Replace 3219 Digger Derrick truck in 2022.

PROJECT ASSUMPTIONS

BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	-								
EXPERT SERVICES	-								
LABOR	-								
EQUIPMENT	1,325,000		315,000	250,000		460,000		300,000	
OVERHEAD	-								
ENGINEERING	61,000			15,000		28,000		18,000	
TOTAL	\$ 1,386,000	\$ -	\$ 315,000	\$ 265,000	\$ -	\$ 488,000	\$ -	\$ 318,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	-								
REVENUE BOND ISSUE (2015)	315,000		315,000						
REVENUE BOND ISSUE (2018)	265,000			265,000					
REVENUE BOND ISSUE (2020)	488,000					488,000			
REVENUE BOND ISSUE (2022)	318,000							318,000	
TOTAL	\$ 1,386,000	\$ -	\$ 315,000	\$ 265,000	\$ -	\$ 488,000	\$ -	\$ 318,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	265,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 265,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Purchase Southwest Service Area Infrastructure

Type of Project Electric	Partnership Project? NO	Project # ES130009
Key # 2	Goal # 1	Strategic Leadership Plan Project? No
Purchase Purchase Southwest Service Area Infrastructure	PROJECT ADMINISTRATION: Energy Services	
PROJECT LOCATION: West of Leslie Rd near Rachel Road	PROJECT TIMELINE: Various	
RESPONSE TO *GMA LEVEL OF SERVICE? NO		

PROJECT DESCRIPTION

Per 2005 Electrical Service Area Agreement, purchase the depreciated value of Benton PUD infrastructure currently serving PUD facilities serving any new City annexed properties in this southwest service area.

PROJECT ASSUMPTIONS

Benton PUD and the City agree on price for infrastructure. New load would be added to City View substation. The City has extended electrical infrastructure to transfer customers from Benton PUD to the City. Rate revenue from these new customers will pay back the costs to purchase the PUD infrastructure.

BENEFITS

The City through this purchase will implement in part its strategic plan goal to support population and business growth within the City's UGA.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	-	-	-	-	-	-	-	-	-
EXPERT SERVICES	561,000	15,000	221,000	125,000			200,000		
LABOR	30,000		15,000	15,000					
EQUIPMENT	-								
OVERHEAD	17,000		8,000	9,000					
ENGINEERING	19,000	-	10,000	9,000					
TOTAL	\$ 627,000	\$ 15,000	\$ 254,000	\$ 158,000	\$ -	\$ -	\$ 200,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	-	-	-	-	-	-	-	-	-
REVENUE BOND ISSUE (2015)	427,000	15,000	254,000	158,000			200,000		
REVENUE BOND ISSUE (2020)	200,000								
	-								
	-								
TOTAL	\$ 627,000	\$ 15,000	\$ 254,000	\$ 158,000	\$ -	\$ -	\$ 200,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	158,000	401-XXX-XXXX-XXXXX-XXXX
TOTAL	\$ 158,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Renewal & Replacement

Type of Project Electric		Partnership Project? NO	Project # ES130010	
Key # 2	Goal # 2	Strategic Leadership Plan Project? No		
PROJECT NAME: Renewal & Replacement				
PROJECT ADMINISTRATION: Energy Services				
PROJECT LOCATION: Various locations within the electric utility service area				
PROJECT TIMELINE: Annual Investments				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Capital improvement projects and capital maintenance and equipment replacement that extend the life of existing electric utility infrastructure. Some of these represent investment upgrades that are performed annually.

PROJECT ASSUMPTIONS

Deferring key renewal and replacement projects lead to increased operation and maintenance costs that have to be passed on to electric utility rate payers. These projects are funded primarily from rate revenue cash. High interface with property owners. Effectiveness through in-depth coordination with other City projects.

BENEFITS

Investment in these projects maintain appropriate levels of system reliability and meet regulatory compliance. Appropriate investments help keep utility retail rates lower by avoiding costly infrastructure rebuilds. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	4,669,500	142,000	654,000	1,372,000	524,500	305,000	310,000	681,000	681,000
EXPERT SERVICES	6,242,000	419,000	642,000	1,243,000	978,000	920,000	410,000	815,000	815,000
LABOR	2,449,500	172,000	119,000	343,000	253,500	169,000	237,000	578,000	578,000
EQUIPMENT	455,000	16,000	10,000	105,000	56,000	31,000	29,000	104,000	104,000
OVERHEAD	3,048,000	164,000	173,000	794,000	332,000	203,000	244,000	569,000	569,000
ENGINEERING	603,000		27,000	66,000	101,000	74,000	51,000	142,000	142,000
TOTAL	\$ 17,467,000	\$ 913,000	\$ 1,625,000	\$ 3,923,000	\$ 2,245,000	\$ 1,702,000	\$ 1,281,000	\$ 2,889,000	\$ 2,889,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	17,467,000	913,000	1,625,000	3,923,000	2,245,000	1,702,000	1,281,000	2,889,000	2,889,000
	-								
	-								
	-								
TOTAL	\$ 17,467,000	\$ 913,000	\$ 1,625,000	\$ 3,923,000	\$ 2,245,000	\$ 1,702,000	\$ 1,281,000	\$ 2,889,000	\$ 2,889,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	3,923,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 3,923,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Smart Grid - Advanced Metering Infrastructure

Type of Project Electric		Partnership Project? NO	Project # ES130005
Key # 1	Goal # 4	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Smart Grid - Advanced Metering Infrastructure			
PROJECT ADMINISTRATION: Energy Services			
PROJECT LOCATION: Various locations within the electric utility service area			
PROJECT TIMELINE: 2016 - 2019			
RESPONSE TO *GMA LEVEL OF SERVICE? NO			

PROJECT DESCRIPTION

Complete a detailed design and implement an electrical utility smart grid program to cost-effectively improve utility operations and provide the utility customers with options to control their power consumption and usage patterns.

PROJECT ASSUMPTIONS

Technology improvements continuing to advance, customers wish to make decisions that will reduce their electric bill, utility load growth will continue resulting in higher priced tier 2 power, regulatory mandates continuing to grow, complexity of operating the electric utility system infrastructure is increasing, utility will in the future qualify under the State's Energy Independence Act (I-937). Construction assumes phased and full change-out of electrical system meters to Advanced Meter Infrastructure technology.

BENEFITS

Trending represented by the project assumptions noted above will result in higher retail rates to electric utility customers. Smart grid implementation can be approached in a manner to minimize those rate increases, provide a higher level of electrical system reliability, and result in operational efficiencies (reduced operations and maintenance costs). The City will be mandated due to I-937 to achieve conservation targets or pay fines. Through coordinating with utility customers (interface at customer side of the meter), the City can save wholesale power costs at the same time that retail customers reduce their power bills.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	3,000,000			1,500,000	1,500,000				
EXPERT SERVICES	2,562,000	212,000	300,000	1,250,000	800,000				
LABOR	301,000	1,000		150,000	150,000				
EQUIPMENT	5,000			5,000					
OVERHEAD	172,000			86,000	86,000				
ENGINEERING	126,000	1,000	50,000	40,000	35,000				
TOTAL	\$ 6,166,000	\$ 214,000	\$ 350,000	\$ 3,031,000	\$ 2,571,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	4,744,000	214,000	350,000	1,609,000	2,571,000				
REVENUE BOND ISSUE (2015)	1,422,000			1,422,000					
REVENUE BOND ISSUE (2018)	-								
	-								
	-								
TOTAL	\$ 6,166,000	\$ 214,000	\$ 350,000	\$ 3,031,000	\$ 2,571,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ASSOCIATED O&M COSTS WILL REDUCE BY UNKNOWN AMOUNT (PART OF FEASIBILITY STUDY)	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	3,031,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 3,031,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

System Improvements

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	Project # ES130011	
Key # 2	Goal # 2	Strategic Leadership Plan Project? No		
PROJECT NAME: <input type="text" value="System Improvements"/>				
PROJECT ADMINISTRATION: <input type="text" value="Energy Services"/>				
PROJECT LOCATION: <input type="text" value="Various locations within the electric utility service area"/>				
PROJECT TIMELINE: <input type="text" value="Annual Investments"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

Capital improvements to the electric utility infrastructure that are essential to community growth, regulatory compliance, and system reliability. These represent new improvements, some of which are required on an annual basis.

PROJECT ASSUMPTIONS

Major system improvement projects are not included in this category of projects; rather major projects are listed separately in the CIP. These projects are not upgrades to existing infrastructure which are included in the Renewals & Replacements project category. These projects can be funded directly from rate revenues and from revenue bonding; no facility fees are used to fund these projects. R/W acquisitions may be required. Some regulatory mandates. WSDOT and other agency permitting may be required.

BENEFITS

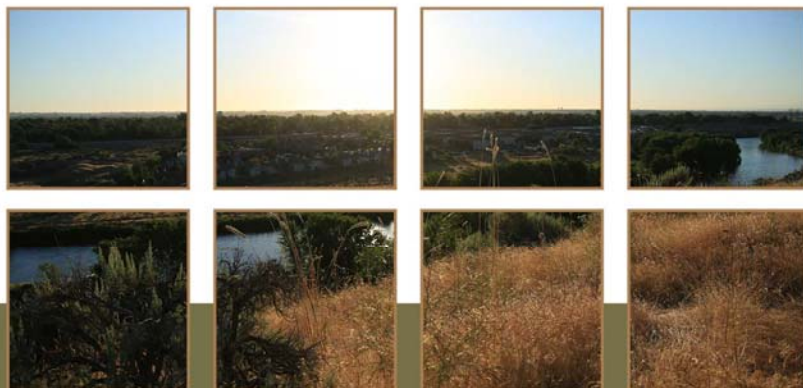
Projects necessary to maintain reliable service related to new electrical load, meet regulatory requirements, and maintain / enhance existing levels of electrical system reliability. These projects also result in operational efficiencies and flexibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
MATERIAL	4,083,000	760,000	583,000	692,000	480,000	299,000	923,000	173,000	173,000
EXPERT SERVICES	978,000	49,000	294,000	335,000	100,000	100,000	100,000		
LABOR	1,786,000	365,000	223,000	137,000	407,000	170,000	288,000	98,000	98,000
EQUIPMENT	521,000	6,000	64,000	94,000	112,000	74,000	89,000	41,000	41,000
OVERHEAD	2,281,000	264,000	264,000	434,000	399,000	201,000	487,000	116,000	116,000
ENGINEERING	420,000	13,000	64,000	37,000	89,000	51,000	114,000	26,000	26,000
TOTAL	\$ 10,069,000	\$ 1,457,000	\$ 1,492,000	\$ 1,729,000	\$ 1,587,000	\$ 895,000	\$ 2,001,000	\$ 454,000	\$ 454,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC RATE REVENUE	-								
REVENUE BOND ISSUE (2015)	4,613,000	1,457,000	1,492,000	1,664,000					
REVENUE BOND ISSUE (2018)	3,586,000			65,000	1,587,000	443,000	1,491,000		
REVENUE BOND ISSUE (2020)	1,102,000					452,000	510,000	140,000	
ECONOMIC DEV. (LRF)	-								
REVENUE BOND ISSUE (2022)	768,000							314,000	454,000
TOTAL	\$ 10,069,000	\$ 1,457,000	\$ 1,492,000	\$ 1,729,000	\$ 1,587,000	\$ 895,000	\$ 2,001,000	\$ 454,000	\$ 454,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

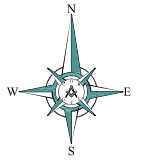
FOR FINANCE STAFF USE ONLY		
ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	1,729,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 1,729,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE



Municipal

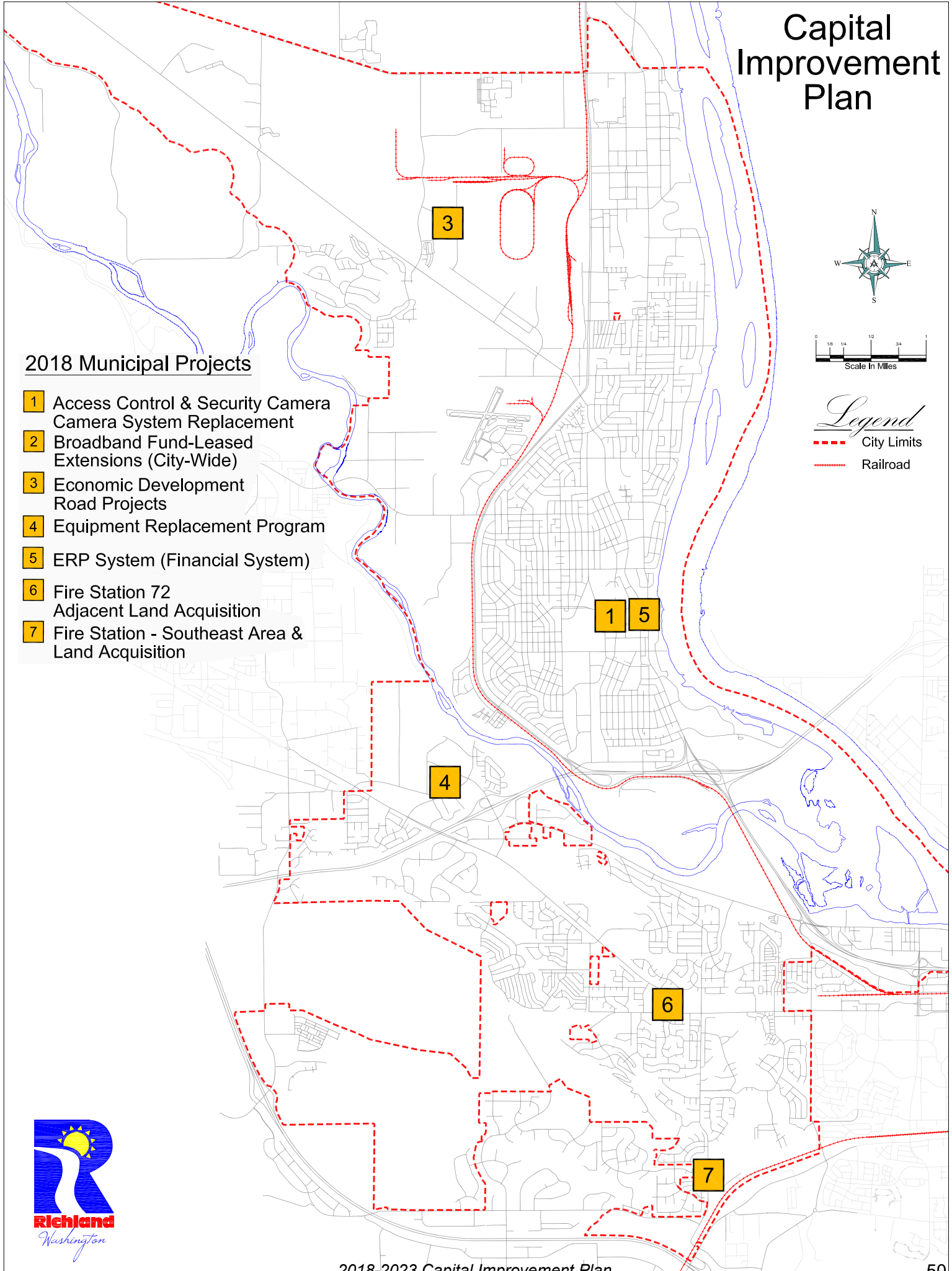


Capital Improvement Plan



2018 Municipal Projects

- 1 Access Control & Security Camera Camera System Replacement
- 2 Broadband Fund-Leased Extensions (City-Wide)
- 3 Economic Development Road Projects
- 4 Equipment Replacement Program
- 5 ERP System (Financial System)
- 6 Fire Station 72 Adjacent Land Acquisition
- 7 Fire Station - Southeast Area & Land Acquisition





Capital Improvement Plan

9/18/2017 11:37:03 AM
FIN-BUD-CIP-002

2018 thru 2023

Municipal Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Municipal										
PROJECT COSTS										
Access Control & Security Camera System Replacement	MN170005	0	0	550,000	0	0	0	0	0	550,000
Animal Control Shelter	MN130001	400,000	1,100,000	0	0	0	0	0	0	1,500,000
Broadband Fund-Leased Fiber Extensions	MN160001	0	200,000	100,000	0	0	0	0	0	300,000
Economic Development Road Projects	MN170004	0	0	1,625,000	925,000	0	0	0	0	2,550,000
Equipment Replacement Program	MN140016	2,163,511	4,329,104	2,431,409	3,637,184	6,919,900	3,362,373	3,744,266	2,710,960	29,298,707
ERP System (Financial System)	MN140018	250,000	2,426,000	1,348,763	1,530,289	1,058,556	0	0	0	6,613,608
Fire Station - Badger Mountain South	MN130007	0	0	0	0	0	0	0	5,462,799	5,462,799
Fire Station - Horn Rapids Area	MN130009	0	0	0	0	0	0	0	5,010,000	5,010,000
Fire Station - Northeast	MN170003	0	0	0	0	0	0	0	5,010,000	5,010,000
Fire Station - Southeast Area & Land Acquisition	MN170001	0	0	500,000	0	0	0	0	5,010,000	5,510,000
Fire Station 72 - Adjacent Land Acquisition	MN170002	0	0	150,000	0	0	0	0	0	150,000
Fire Station 73 - Replacement Station	MN130005	0	0	0	4,000,000	0	0	0	0	4,000,000
Municipal Total:		2,813,511	8,055,104	6,705,172	10,092,473	7,978,456	3,362,373	3,744,266	23,203,759	65,955,114
FUNDING SOURCES										
Capital Lease/LT Debt Proceeds		0	810,000	0	0	730,000	0	0	745,000	2,285,000
Criminal Justice Sales Tax		96,000	69,046	55,266	56,743	56,670	55,204	56,308	57,434	502,671
Electric Fund		334,250	817,180	715,100	610,190	514,497	289,819	298,513	307,468	3,887,017
Equipment Maint Fund		13,640	94,609	55,643	48,635	39,301	17,412	18,283	19,197	306,720
Equipment Reserves		(395,090)	1,598,719	(241,940)	712,663	3,022,177	(36,524)	91,556	(1,966,094)	2,785,467
Facility Fees		0	100,000	50,000	0	0	0	0	0	150,000
General Fund		1,262,815	2,939,620	1,546,700	1,436,690	1,304,132	954,972	1,002,721	1,052,857	11,500,507
Healthcare Benefits Fund		0	158,053	36,804	41,757	28,885	0	0	0	265,499
Industrial Development Fund		0	17,808	1,634,776	936,092	7,673	0	0	0	2,596,349
Medical Services Fund		129,250	178,410	282,710	298,647	258,427	159,535	167,512	175,888	1,650,379
Public Works Admin & Eng		10,500	55,689	71,979	36,070	38,424	39,930	43,923	48,315	344,830
Rate Revenue		0	100,000	50,000	0	0	0	0	0	150,000
REET-RE Excise Tax 1st 1/4%		0	0	650,000	0	0	0	0	0	650,000
Service Agreement Revenue		0	0	0	4,000,000	0	0	0	0	4,000,000
Solid Waste Fund		735,500	112,655	937,744	1,022,937	1,067,851	1,067,695	1,174,464	1,291,911	7,410,757
Stormwater Fund		85,670	107,787	104,249	107,148	104,120	94,093	96,915	99,823	799,805
Street Fund		0	0	23,372	0	0	0	0	0	23,372
Streets Fund (GF)		180,881	191,417	171,805	181,453	185,447	184,423	193,644	203,326	1,492,396
Unfunded		0	0	0	0	0	0	0	20,492,799	20,492,799
Wastewater Fund		226,785	383,429	245,997	283,152	310,292	283,664	297,847	312,739	2,343,905
Water Fund		133,310	320,682	314,967	320,296	310,560	252,150	302,580	363,096	2,317,641
Municipal Total:		2,813,511	8,055,104	6,705,172	10,092,473	7,978,456	3,362,373	3,744,266	23,203,759	65,955,114

Access Control & Security Camera System Replacement

Type of Project Municipal	Partnership Project? NO	Project # MN170005
Key # 2	Goal # 1	Strategic Leadership Plan Project? YES
PROJECT NAME:	Access Control & Security Camera System Replacement	
PROJECT ADMINISTRATION:	Parks & Public Facilities	
PROJECT LOCATION:	City Facilities	
PROJECT TIMELINE:	2018	
RESPONSE TO *GMA LEVEL OF SERVICE?	NO	

PROJECT DESCRIPTION

The City's main buildings operate on a functional but obsolete electronic access control and security camera system. The City's electronic access control systems allow building management to secure access across a range of electronically controlled door locks and to manage multiple security camera systems. The "Swift Corridor: City Hall" project will use a modern system that is incompatible with the City's existing system. 2018 represents a good opportunity to improve our electronic security management and camera systems in preparation for the opening of City Hall in the spring of 2019.

PROJECT ASSUMPTIONS

The selection of a security management system for City Hall will be made in early 2018. The same vendor and technology will be used to convert the City's other buildings. Vendors without annual software license agreements will be favored.

BENEFITS

Modern access control and security cameras are necessary to secure the City's property and assets.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	500,000			500,000					
10% CONTINGENCY	50,000			50,000					
OTHER ENG. SERVICES	-								
TOTAL	\$ 550,000	\$ -	\$ -	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	251,743			251,743	-				
STREETS FUND	23,372			23,372					
ELECTRIC FUND	152,844			152,844					
WATER FUND	41,078			41,078					
WASTEWATER FUND	7,250			7,250					
SOLID WASTE FUND	11,697			11,697					
STORMWATER FUND	1,873			1,873					
MEDICAL SERVICES FUND	9,214			9,214					
EQUIPMENT MAINTENANCE FUND	11,656			11,656					
PUBLIC WORKS ADMIN & ENG FUND	39,273			39,273					
TOTAL	\$ 550,000	\$ -	\$ -	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CITY-WIDE SAFETY/SECURITY IMPR	550,000	385-900-0006-594190-6335
TOTAL	\$ 550,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Animal Control Shelter

Type of Project

Municipal

Partnership Project?

YES

Project #

MN130001

Key #

2

Goal #

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Animal Control Shelter

PROJECT ADMINISTRATION: City Administration

PROJECT LOCATION: Pasco

PROJECT TIMELINE: 01/2016 - 12/2019

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

The Tri-Cities Animal Control Authority (Kennewick/Richland/Pasco) was established in 1998 and provides animal control services for the three member agencies. The existing animal control facilities are located in Pasco and were built in 1950 and 1975. The facilities are owned by Pasco and the three cities participate in the maintenance of the building. In 2009, a study revealed that the facility was in poor condition and potentially too small to meet the projected demand for service. In 2015, the cities hired a consultant to facilitate selection of a replacement facility, develop a scope of services including operating and funding alternatives. The facility was further examined in a feasibility study in 2017 based on the results of the 2015 study.

PROJECT ASSUMPTIONS

Pasco will contribute a 5 acre site. Construction is estimated at \$4M plus land costs, shared equally among the cities. The 2017 feasibility study will provide guidance on the anticipated 2018 capital project. Richland's contribution to the facility is expected to be up to \$1,500,000 total, including all feasibility, land, architectural and design soft costs and hard construction costs.

BENEFITS

Animal control is a base level of service expectation for Richland residents. A replacement animal control facility will meet the expected demand for service for the next 20 years and the facility will be designed to be easily expanded to meet future demand. The current cost sharing method (non-capital) will be modified to more closely align with usage resulting in cost savings to the City of Richland. Historically Richland has fewer calls for service and animal intakes than the other two cities.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION MANAGEMENT	300,000	300,000							
CONSTRUCTION	1,100,000		1,100,000						
10% CONTINGENCY	-								
OTHER ENG. SERVICES	100,000	100,000							
	-								
TOTAL	\$ 1,500,000	\$ 400,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	1,500,000	400,000	1,100,000						
	-								
	-								
	-								
TOTAL	\$ 1,500,000	\$ 400,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Broadband Fund - Leased Fiber Extensions

Type of Project Municipal		Partnership Project? <input type="text" value="NO"/>	Project # MINI60001
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="text" value="Yes"/>	
PROJECT NAME: <input type="text" value="Broadband Fund - Leased Fiber Extensions"/>			
PROJECT ADMINISTRATION: <input type="text" value="City Administration"/>			
PROJECT LOCATION: <input type="text" value="Citywide"/>			
PROJECT TIMELINE: <input type="text" value="Ongoing"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

The City anticipates several new fiber optic connections will be made in 2018.

PROJECT ASSUMPTIONS

These connections are initiated by interested lessees.

BENEFITS

Access to fiber optic infrastructure encourages businesses to site or expand operations in the City of Richland

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
FIBER OPTIC EXTENSIONS	300,000		200,000	100,000					
TOTAL	\$ 300,000	\$ -	\$ 200,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RATE REVENUE	150,000		100,000	50,000					
FACILITY FEES	150,000		100,000	50,000					
TOTAL	\$ 300,000	\$ -	\$ 200,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
FIBER SRVC EDU & MED FACILITY	100,000	408-460-0006-538920-6421
TOTAL	\$ 100,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Economic Development Road Projects

Type of Project Municipal		Partnership Project? NO	Project # MN170004
Key # 2	Goal # 1	Strategic Leadership Plan Project? No	
PROJECT NAME: Economic Development Road Projects			
PROJECT ADMINISTRATION: Economic Development			
PROJECT LOCATION: Horn Rapids Triangle			
PROJECT TIMELINE: 2018 - 2019			
RESPONSE TO *GMA LEVEL OF SERVICE? NO			

PROJECT DESCRIPTION

The City's Industrial Development fund was established in order to encourage economic development, particularly the development of science, technology and manufacturing jobs. Currently the City has undeveloped land within the Horn Rapids Triangle Area that could generate new business and new jobs. By constructing the roads and infrastructure necessary to develop this property, it allows new businesses to expand. The land sales can then be used to develop additional City land. The first three projects will be 1,500 ft. extension of Henderson Loop west of Logston, a 1,300 ft. extension of Battelle Blvd west of Kingsgate, and a 800 ft. extension of Clubhouse Lane east of Kingsgate.

PROJECT ASSUMPTIONS

The economic development office already has offers on land to purchase as soon as the roads are completed. Total budget for all three projects is \$2.5 M. We currently have land purchases totaling over \$800,000. These projects will open up land with the potential of approximately \$5M in land sales. Henderson Loop west = \$900,000, Battelle Blvd = \$600,000, Clubhouse Lane \$500,000.

BENEFITS

Develop City property that is currently undeveloped, creating jobs and property taxes to further benefit the City.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	150,000			150,000					
CONSTRUCTION MANAGEMENT	100,000			50,000	50,000				
CONSTRUCTION	2,000,000			1,400,000	600,000				
10% CONTINGENCY	250,000				250,000				
OTHER ENG. SERVICES	50,000			25,000	25,000				
	-								
	-								
TOTAL	\$ 2,550,000	\$ -	\$ -	\$ 1,625,000	\$ 925,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
INDUSTRIAL DEVELOPMENT FUND	2,550,000			1,625,000	925,000				
	-								
	-								
	-								
TOTAL	\$ 2,550,000	\$ -	\$ -	\$ 1,625,000	\$ 925,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
BATTELLE BLVD	225,000	301-402-0046-595300-6387
HENDERSON LP WEST	900,000	301-402-0046-595300-6337
CLUBHOUSE LANE	500,000	301-402-0046-595300-6368
TOTAL	\$ 1,625,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Equipment Replacement Program

Type of Project Municipal		Partnership Project? NO	Project # MN140016	
Key # 1	Goal # 4	Strategic Leadership Plan Project? No		
PROJECT NAME: Equipment Replacement Program				
PROJECT ADMINISTRATION: Administrative Services				
PROJECT LOCATION: City Sites				
PROJECT TIMELINE: 2018 - 2023				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

The city-wide equipment replacement program is reviewed by the Equipment Replacement Task Team. Year 2018 has been reviewed and recommendations for replacements have been determined as shown.

PROJECT ASSUMPTIONS

BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC FUND	2,771,720	319,025	112,200	148,119	901,660	707,765	172,079	194,522	216,350
WATER FUND	1,644,413	121,989	25,425	63,953	169,736	619,353	273,104	200,248	170,605
WASTEWATER FUND	2,515,955	124,038	569,941	69,922	347,808	645,866	520,207	198,106	40,067
SOLID WASTE FUND	8,205,035	906,928	1,372,501	819,751	769,875	1,754,796	602,407	1,680,794	297,983
STORMWATER FUND	959,738	-	-	-	-	262,606	247,172	-	449,960
AMBULANCE FUND	1,510,868	-	260,000	295,000	-	355,868	300,000	300,000	-
PW ADMIN & ENGINEERING	326,949	-	-	46,859	36,035	96,515	112,491	35,049	-
GENERAL FUND	9,189,153	531,970	1,765,778	643,673	1,142,955	1,984,648	682,613	1,135,547	1,301,969
STREETS FUND (GF)	1,453,959	36,381	223,259	244,632	158,981	228,337	452,300	-	110,069
EQUIPMENT MAINTENANCE FUND	225,685	-	-	99,500	-	126,185	-	-	-
CRIMINAL JUSTICE FUND	495,232	123,180	-	-	110,134	137,961	-	-	123,957
TOTAL	\$ 29,298,707	\$ 2,163,511	\$ 4,329,104	\$ 2,431,409	\$ 3,637,184	\$ 6,919,900	\$ 3,362,373	\$ 3,744,266	\$ 2,710,960
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
ELECTRIC FUND CONTRIBUTIONS	2,223,084	250,000	257,500	265,225	273,182	281,377	289,819	298,513	307,468
WATER FUND CONTRIBUTIONS	1,671,885	101,310	121,600	145,920	175,104	210,125	252,150	302,580	363,096
WASTEWATER FUND CONTRIBUTIONS	2,033,710	205,285	251,281	187,608	225,130	270,156	283,664	297,847	312,739
SOLID WASTE FUND CONTRIBUTIONS	6,918,520	729,250	-	802,175	882,393	970,632	1,067,695	1,174,464	1,291,911
STORMWATER FUND CONTRIBUTIONS	721,752	81,170	83,600	86,108	88,691	91,352	94,093	96,915	99,823
AMBULANCE FUND CONTRIBUTIONS	1,193,639	125,000	131,250	137,813	144,703	151,938	159,535	167,512	175,888
PW ADMIN & ENG CONTRIBUTIONS	252,993	10,500	11,025	30,000	33,000	36,300	39,930	43,923	48,315
GENERAL FUND CONTRIBUTIONS	7,191,007	765,565	847,079	792,128	866,188	909,497	954,972	1,002,721	1,052,857
CAPITAL LEASE/LT DEBT PROCEEDS	2,285,000	-	810,000	-	-	730,000	-	-	745,000
STREETS FUND CONTRIBUTIONS	1,416,228	180,881	151,725	159,311	167,277	175,641	184,423	193,644	203,326
EQUIPMENT MAINTENANCE FUND CONTRIB	130,274	13,640	14,325	15,041	15,793	16,583	17,412	18,283	19,197
CRIMINAL JUSTICE SALES TAX CONTRIB	475,148	96,000	51,000	52,020	53,060	54,122	55,204	56,308	57,434
EQUIPMENT RESERVES	2,785,467	(395,090)	1,598,719	(241,940)	712,663	3,022,177	(36,524)	91,556	(1,966,094)
TOTAL	\$ 29,298,707	\$ 2,163,511	\$ 4,329,104	\$ 2,431,409	\$ 3,637,184	\$ 6,919,900	\$ 3,362,373	\$ 3,744,266	\$ 2,710,960
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-			-	-	-	-	-	-
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
EQUIPMENT REPLACEMENT - VEHICLES >\$5,000	2,243,267	503-215-0006-594480-6405
EQUIPMENT REPLACEMENT - LEASE PRINCIPAL	157,333	503-215-0007-591180-7501
EQUIPMENT REPLACEMENT - LEASE INTEREST	30,808	503-215-0008-592180-8201
EQUIPMENT REPLACEMENT - INTERFUND PRINCIPAL	-	503-215-0007-581100-7901
EQUIPMENT REPLACEMENT - INTERFUND INTEREST	-	503-215-0008-581100-8201
TOTAL	\$ 2,431,409	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

ERP System (Financial System)

Type of Project Municipal		Partnership Project? NO	Project # MN140018	
Key # 1	Goal # 4	<i>Strategic Leadership Plan Project?</i>		No
PROJECT NAME: ERP System (Financial Software replacement)				
PROJECT ADMINISTRATION: City Administration				
PROJECT LOCATION: City Sites				
PROJECT TIMELINE: 2016-2019				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Beginning in 2010, the City has replaced its technology infrastructure and applications according to a strategic plan and governing committee. As a result, the City has systemically upgraded and/or replaced its systems to keep pace with technology and provide the most cost effective service delivery to our citizens. One of the core systems that needs to be addressed is the financial system, also known as Enterprise Resource Planning (ERP) system.

PROJECT ASSUMPTIONS

Staff augmentation and professional service use for multiple components (Project Management, Configuration, Testing, Implementation). Phased roll out. All components of GEMS completed by end of year two with additional support required in year three for Year End processing (CAFR, W2, etc). Travel for ERP vendor and Project Management vendor. Replacement of Blue Prince, Upgrade of Utility Billing (not complete replacement), Addition of Asset Management software. Cost allocation is based upon original 2016 CIP allocation/calculation percentages that may be subject to revision.

BENEFITS

The City has multiple disparate systems that are aged, do not integrate well, and require duplication of efforts. Data exists across multiple applications requiring multiple points of manual entry. Replacing the current applications that encompass the City's ERP system with a flexible software solution with a well-planned, well-phased implementation will allow the City to reduce manual processes allowing staff to focus on more important processes, to improve integration between systems, to improve reporting, and to provide self-service portals for employees. This will also provide the City the ability to conform to changing regulations and security requirements that are not met by some of the City's current applications.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
HARDWARE	417,904	250,000	167,904						
SOFTWARE LICENSING	1,830,953		920,000	214,950	388,466	307,537			
SOFTWARE PROFESSIONAL SERVICES	1,515,631		415,600	378,288	411,168	310,575			
SOFTWARE TRAVEL	432,960		117,000	183,000	105,300	27,660			
PROJECT MANAGEMENT (PM) PROF SRV	883,900		380,000	244,000	173,425	86,475			
PM TRAVEL	123,500		80,000	16,500	18,000	9,000			
LABOR AUGMENTATION	1,153,760		245,496	257,025	378,930	272,309			
CONTINGENCY	255,000		100,000	55,000	55,000	45,000			
TOTAL	\$ 6,613,608	\$ 250,000	\$ 2,426,000	\$ 1,348,763	\$ 1,530,289	\$ 1,058,556	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	2,557,757	97,250	992,541	502,829	570,502	394,635			
STREETS FUNDS	76,168	-	39,692	12,494	14,176	9,806			
INDUSTRIAL DEVELOPMENT FUND	46,349	-	17,808	9,776	11,092	7,673			
CRIMINAL JUSTICE SALES TAX FUND	27,523	-	18,046	3,246	3,683	2,548			
ELECTRIC FUND	1,511,089	84,250	559,680	297,031	337,008	233,120			
WATER FUND	604,678	32,000	199,082	127,969	145,192	100,435			
WASTEWATER FUND	302,945	21,500	132,148	51,139	58,022	40,136			
SOLID WASTE FUND	480,540	6,250	112,655	123,872	140,544	97,219			
STORMWATER FUND	76,180	4,500	24,187	16,268	18,457	12,768			
MEDICAL SERVICES FUND	447,526	4,250	47,160	135,683	153,944	106,489			
EQUIPMENT MAINTENANCE FUND	164,790	-	80,284	28,946	32,842	22,718			
PUBLIC WORKS ADMIN & ENG FUND	52,564	-	44,664	2,706	3,070	2,124			
HEALTHCARE BENEFITS FUND	265,499	-	158,053	36,804	41,757	28,885			
TOTAL	\$ 6,613,608	\$ 250,000	\$ 2,426,000	\$ 1,348,763	\$ 1,530,289	\$ 1,058,556	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
SOFTWARE LICENSING	214,950	001-213-0013-518890-3583
OTHER PROFESSIONAL SERVICES	260,500	001-213-0014-518890-4107
CONTRACT LABOR	257,025	001-213-0014-518890-4116
EXPERT SERVICES	616,288	001-213-0014-518890-4117
DP EQUIPMENT	-	001-213-0016-518890-6480
TOTAL	\$ 1,348,763	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Fire Station - Badger Mountain South

Type of Project Municipal		Partnership Project? <input type="checkbox"/> NO	Project # MN130007
Key # 2	Goal # 1	<i>Strategic Leadership Plan Project?</i>	Yes
PROJECT NAME: Fire Station - Badger Mountain South			
PROJECT ADMINISTRATION: Fire Services			
PROJECT LOCATION: Land allocated by the developers near the Dallas Rd entrance to the development, by the Wine Center			
PROJECT TIMELINE: 2027- 2029			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO			

PROJECT DESCRIPTION

Design and construct a new Badger Mountain South Richland Fire Station. This will add a new response station facility, providing emergency medical and fire response capability in this area of the city.

PROJECT ASSUMPTIONS

This project will require the purchase of an equipped engine at \$620K and an equipped ambulance at \$390K plus incremental increase in O & M for vehicles and facilities.. Staffing for the station may add up to 12 staff for full response operational capabilities. Funding sources for construction, staffing, and other expenses are yet to be determined. Timing of this project is dependent upon community development rates in Southwest Richland and council prioritization, likely 2027 or later.

BENEFITS

Improves response times to homes and businesses in this area of the City that is outside the current standards of cover for EMS and Fire/Rescue services, and adds to the depth of response capability overall in the City.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2027
DESIGN	233,469								233,469
CONSTRUCTION MANAGEMENT	93,322								93,322
CONSTRUCTION	3,500,000								3,500,000
10% CONTINGENCY	278,226								278,226
FIRE ENGINE & MED UNIT	1,010,000								1,010,000
OTHER ENG. SERVICES	347,782								347,782
TOTAL	\$ 5,462,799	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,462,799
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2027
UNFUNDED	5,462,799								5,462,799
	-								
	-								
	-								
	-								
TOTAL	\$ 5,462,799	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,462,799
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2027
STAFFING	2,083,316								2,083,316
DEBT SERVICE	274,912								274,912
FACILITIES	16,000								16,000
ONE-TIME I.T. EQUIPMENT	16,000								16,000
MAINTENANCE & OPERATIONS	90,424								90,424
TOTAL	\$ 2,480,652	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,480,652

Fire Station - Horn Rapids Area

Type of Project Municipal		Partnership Project? <input type="text" value="NO"/>	Project # MN130009
Key # 2	Goal # 1	<i>Strategic Leadership Plan Project?</i>	<i>Yes</i>
PROJECT NAME: <input type="text" value="Fire Station - Horn Rapids Area"/>			
PROJECT ADMINISTRATION: <input type="text" value="Fire Services"/>			
PROJECT LOCATION: <input type="text" value="To-be-constructed North Entrance to Horn Rapids Development at SR240"/>			
PROJECT TIMELINE: <input type="text" value="2027 - 2029"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

Design and construct a new Northwest Fire Station. This will add a new response station facility, providing emergency medical and fire response capability in the Northwest area of the city.

PROJECT ASSUMPTIONS

This project will require the purchase of an equipped engine at \$620K and an equipped ambulance at \$390K plus incremental increase in O & M for vehicles and facilities. Staffing for the station may add up to 12 staff for full response operational capabilities. Funding sources for construction, staffing, and other expenses are yet to be determined but will likely be through voter approved mechanisms, at the time the Council determines the project should proceed. Public facilities zoned land is available for station siting at this location. Timing will be dependent upon the rate of community development in the Northwest and Council's prioritization of this project, likely 2027 or later.

BENEFITS

This project improves response times to the residential, commercial and industrial areas in Northwest Richland which are currently outside the standards of cover for EMS and Fire/Rescue services, and adds to the depth of response capability overall in the City.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2027
DESIGN & ENGINEERING SERVICES	800,000								800,000
CONSTRUCTION	3,200,000								3,200,000
FIRE ENGINE & MED UNIT	1,010,000								1,010,000
	-								
	-								
	-								
	-								
TOTAL	\$ 5,010,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,010,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2027
UNFUNDED	5,010,000								5,010,000
	-								
	-								
	-								
	-								
TOTAL	\$ 5,010,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,010,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2027
STAFFING	2,083,316								2,083,316
DEBT SERVICE	274,912								274,912
FACILITIES	16,000								16,000
ONE-TIME I.T. EQUIPMENT	16,000								16,000
MAINTENANCE & OPERATIONS	90,424								90,424
TOTAL	\$ 2,480,652	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,480,652

Fire Station - Northeast

Type of Project Municipal		Partnership Project? <input type="text" value="NO"/>	Project # MN170003
Key # 2	Goal # 1	<i>Strategic Leadership Plan Project?</i>	<i>Yes</i>
PROJECT NAME: <input type="text" value="Fire Station - Northeast"/>			
PROJECT ADMINISTRATION: <input type="text" value="Fire Services"/>			
PROJECT LOCATION: <input type="text" value="Near the intersection of George Washington Way and Battelle Blvd"/>			
PROJECT TIMELINE: <input type="text" value="2022 -2023"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

Design and construct a new Northeast Richland Fire Station. This will add a new response station facility, providing emergency medical and fire response capability in the north-central and northeast areas of the city, including the southern half of the land transfer area.

PROJECT ASSUMPTIONS

The land for this project is not currently City-owned, and will require action to acquire- possibly through partnership with DOE and PNNL. This project will require the purchase of an equipped engine at \$620 K and an equipped ambulance at \$390K plus incremental increase in O & M for vehicles and facilities. Staffing for the station may add up to 12 staff for full response operational capabilities. Funding sources for construction, staffing, and other expenses are yet to be determined, but may include partnership opportunities with community partners in North Richland.

BENEFITS

Improves response times to homes and businesses in this area of the City that is outside the current standards of cover for EMS and Fire/Rescue services, and adds to the depth of response capability overall in the City. This station addresses the growth in both residential and commercial sectors in North Richland that is outpacing our ability to maintain consistent response coverage. This station, along with the relocation of station 73 positions the community in North Richland for better reliability, deployment in alignment with the City's Comprehensive Plan, and response times consistent with the city's standards of cover.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN & ENGINEERING SERVICES	800,000								800,000
CONSTRUCTION	3,200,000								3,200,000
FIRE ENGINE & MED UNIT	1,010,000								1,010,000
	-								
	-								
	-								
TOTAL	\$ 5,010,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,010,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
UNFUNDED	5,010,000								5,010,000
	-								
	-								
	-								
TOTAL	\$ 5,010,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,010,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
STAFFING	2,033,000								2,033,000
DEBT SERVICE	275,000								275,000
FACILITIES	16,000								16,000
ONE-TIME I.T. EQUIPMENT	16,000								16,000
MAINTENANCE & OPERATIONS	90,000								90,000
TOTAL	\$ 2,430,000	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,430,000

Fire Station - Southeast Area & Land Acquisition

Type of Project Municipal		Partnership Project? <input type="text" value="NO"/>	Project # MN170001
Key # 2	Goal # 1	<i>Strategic Leadership Plan Project?</i>	<i>No</i>
PROJECT NAME: <input type="text" value="Fire Station - Southeast Area & Land Acquisition"/>			
PROJECT ADMINISTRATION: <input type="text" value="Fire Services"/>			
PROJECT LOCATION: <input type="text" value="Area of Reata Road and Leslie Road"/>			
PROJECT TIMELINE: <input type="text" value="2018 and 2023"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

Acquire land for the future design and construction of a new Southeast Fire Station. This will add designated land for a new response station facility, providing emergency medical and fire response capability in the Southeast area of the city.

PROJECT ASSUMPTIONS

This project will require the purchase of an equipped engine at \$620K, an equipped brush truck at \$250K and an equipped ambulance at \$390K plus incremental increase in O & M for vehicles and facilities. Staffing for the station may add up to 12 staff for full response operational capabilities. Funding sources for construction, staffing, and other expenses are yet to be determined but will likely be through voter approved mechanisms, at the time the Council determines the project should proceed. Land for this project is not allocated, and will need to be identified and purchased. Project construction timing will be dependent upon Council's prioritizaion of this project.

BENEFITS

Based on growth in the area and the current standards of cover for EMS and Fire Services, this area is identified in Richland's Fire Station Deployment Plan as the ideal location for a future southeast station. Acquiring land for this station ensures that the project can proceed at the appropriate time, based on overall city needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
LAND ACQUISITION	500,000			500,000					
DESIGN & ENGINEERING SERVICES	800,000								800,000
CONSTRUCTION	3,000,000								3,000,000
FIRE ENGINE, BRUSH & AMBULANCE	1,210,000								1,210,000
	-								
	-								
	-								
TOTAL	\$ 5,510,000	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 5,010,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4% UNFUNDED	500,000			500,000					
	5,010,000								5,010,000
	-								
	-								
	-								
TOTAL	\$ 5,510,000	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 5,010,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
STAFFING	2,083,316								2,083,316
DEBT SERVICE	274,912								274,912
FACILITIES	16,000								16,000
ONE-TIME I.T. EQUIPMENT	16,000								16,000
MAINTENANCE & OPERATIONS	90,424								90,424
TOTAL	\$ 2,480,652	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,480,652

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
LAND PURCHASES	500,000	001-900-0016-510000-6103
TOTAL	\$ 500,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Fire Station 72 - Adjacent Land Acquisition

Type of Project Municipal		Partnership Project? <input type="checkbox"/> NO	Project # MN170002
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="checkbox"/> Yes	
PROJECT NAME: Fire Station 72 - Adjacent Land Acquisition			
PROJECT ADMINISTRATION: Fire Services			
PROJECT LOCATION: 710 Gage Blvd			
PROJECT TIMELINE: 2018			
RESPONSE TO *GMA LEVEL OF SERVICE? <input checked="" type="checkbox"/> YES			

PROJECT DESCRIPTION

Purchase land adjacent to fire station 72 for station expansion and/or long-term replacement needs.

PROJECT ASSUMPTIONS

This project requires the purchase of an undeveloped adjacent lot to 710 Gage Blvd to allow for the future replacement of, or addition to, station 72.

BENEFITS

The crew reliability in South Richland is nearing trigger points for additional staffing as identified in the City's Comprehensive Plan. The current station site is built to capacity, and the purchase of the adjacent property will give the city the option to consider an addition to the existing station in order to delay additional facility construction (SE or Badger South Stations) and for the longer-term needs of replacing the station at its end-of-life.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
LAND ACQUISITION	150,000			150,000					
TOTAL	\$ 150,000	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	150,000			150,000					
TOTAL	\$ 150,000	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
STAFFING	-								
DEBT SERVICE	-								
FACILITIES	-								
ONE-TIME I.T. EQUIPMENT	-								
MAINTENANCE & OPERATIONS	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
LAND PURCHASES	150,000	001-900-0016-510000-6103
TOTAL	\$ 150,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Fire Station 73 - Replacement Station

Type of Project

Municipal

Partnership Project?

YES

Project #

MN130005

Key #

2

Goal #

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Fire Station 73 - Replacement Station

PROJECT ADMINISTRATION: Fire Services

PROJECT LOCATION: Jadwin Ave near the corner with Stevens Drive

PROJECT TIMELINE: 2019 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

This station construction project replaces an existing station. The new station will be constructed at a location that provides for greater emergency response coverage and expanded service areas in North Richland.

PROJECT ASSUMPTIONS

Because this is a station replacement, no additional staffing or vehicles will be required for this project. The building site will be City-owned land, near the corner of Stevens Drive and Jadwin Ave. Construction and other project expenses will be fully funded via service agreements through community-based customers, or other mechanism, at the time the Council determines the project should proceed. The station construction project will utilize the same design-build approach that was utilized in the construction of station 74 in Southwest Richland in 2015.

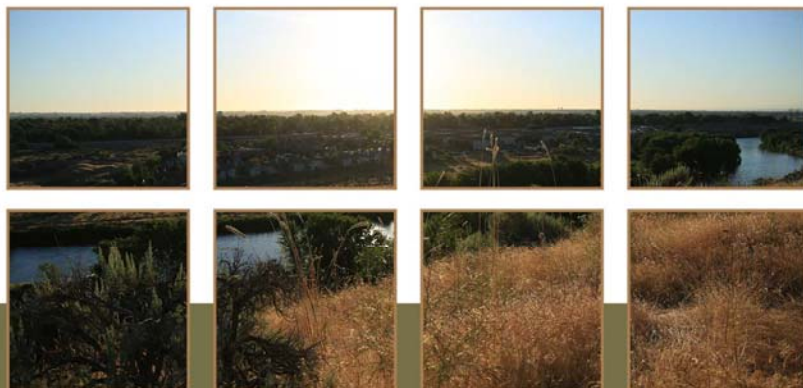
BENEFITS

The existing station was originally scheduled for replacement in 2004 and has deteriorated due to age, exceeding its practical life cycle. The condition of the station is such that there are concerns that costly core maintenance projects will arise. Additionally, a move to the new location positions this station for better emergency response coverage in the north and west areas of Richland, particularly in conjunction with the coverage benefits provided by Station 74 once the Duportail Bridge opens.

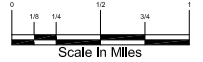
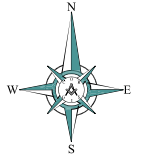
PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN & ENGINEERING SERVICES	800,000				800,000				
CONSTRUCTION	3,200,000				3,200,000				
	-								
	-								
	-								
TOTAL	\$ 4,000,000	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
SERVICE AGREEMENT REVENUE	4,000,000				4,000,000				
	-								
	-								
	-								
TOTAL	\$ 4,000,000	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Parks & Public Facilities



Capital Improvement Plan

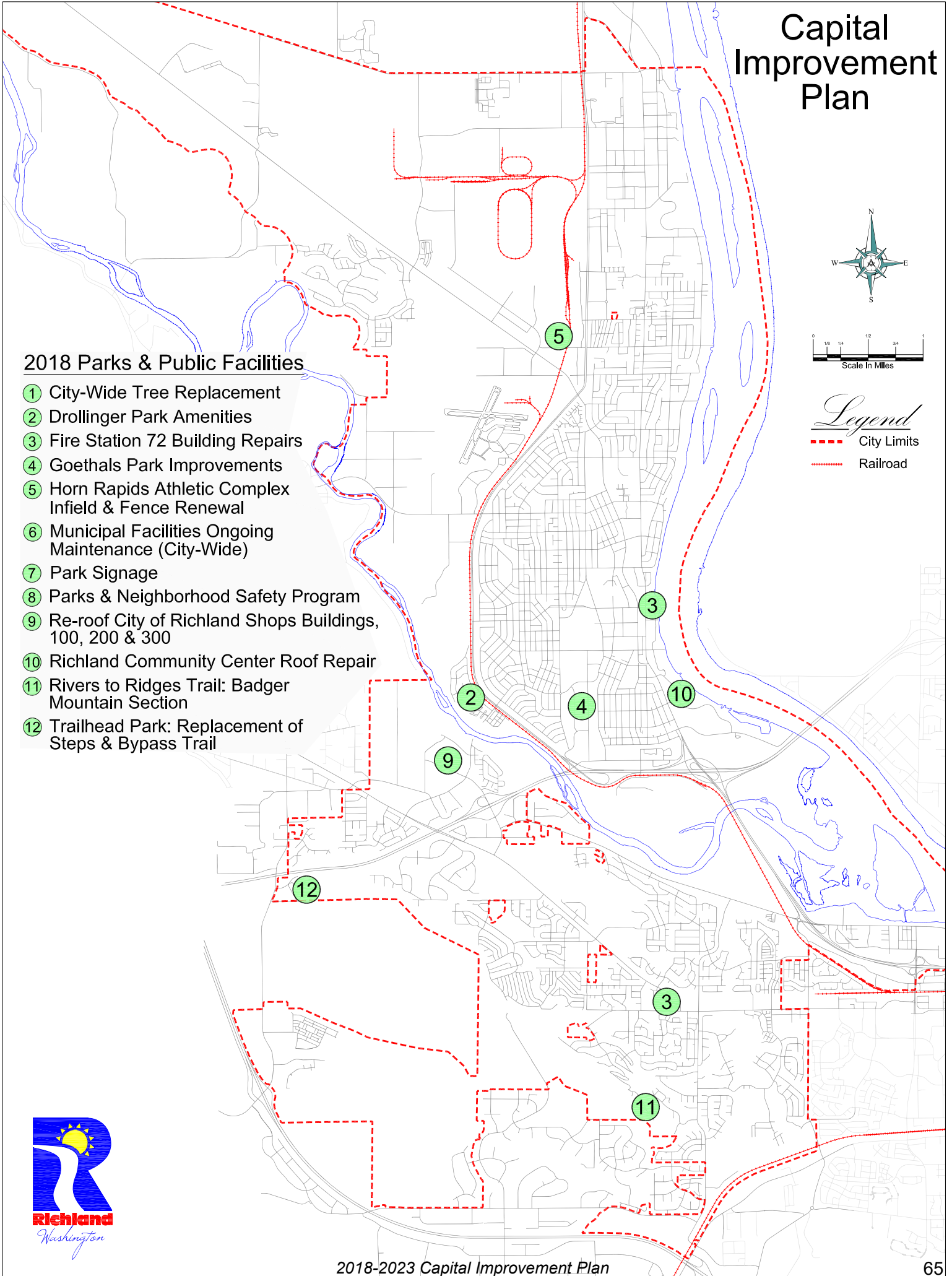


Legend

- - - City Limits
- · - · - Railroad

2018 Parks & Public Facilities

- ① City-Wide Tree Replacement
- ② Drollinger Park Amenities
- ③ Fire Station 72 Building Repairs
- ④ Goethals Park Improvements
- ⑤ Horn Rapids Athletic Complex Infield & Fence Renewal
- ⑥ Municipal Facilities Ongoing Maintenance (City-Wide)
- ⑦ Park Signage
- ⑧ Parks & Neighborhood Safety Program
- ⑨ Re-roof City of Richland Shops Buildings, 100, 200 & 300
- ⑩ Richland Community Center Roof Repair
- ⑪ Rivers to Ridges Trail: Badger Mountain Section
- ⑫ Trailhead Park: Replacement of Steps & Bypass Trail





Capital Improvement Plan

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2018 thru 2023

Parks Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Parks										
PROJECT COSTS										
Badger Mountain Park Improvements	PR130001	738,502	70,000	0	250,000	250,000	0	0	0	1,308,502
By-Pass Shelterbelt Irrigation Renewal	PR160001	456,458	0	0	0	250,000	250,000	250,000	250,000	1,456,458
City-Wide Tree Replacement	PR130016	60,000	40,000	20,000	20,000	20,000	20,000	20,000	20,000	220,000
Drollinger Park Amenities	PR130007	60,000	0	60,000	0	0	0	0	0	120,000
Fire Station 72 Building Repairs	PR170006	0	0	350,000	0	0	0	0	0	350,000
Goethals Park Improvements	PR170002	0	0	80,000	0	0	0	0	0	80,000
Horn Rapids Athletic Complex Infield & Fence Renewal	PR160003	0	50,000	30,000	30,000	30,000	30,000	0	0	170,000
Municipal Facilities Renewal & Improvement Program	PR140020	1,660,499	270,000	287,000	300,000	300,000	600,000	300,000	0	3,717,499
Park Signage	PR140009	125,000	25,000	25,000	0	0	0	0	0	175,000
Parks & Neighborhood Safety Program	PR160005	0	91,000	20,000	10,000	10,000	10,000	0	0	141,000
Parks Facilities Renewal & Replacement	PR140021	140,000	302,000	378,000	750,000	750,000	750,000	750,000	0	3,820,000
Re-roof City of Richland Shops Buildings, 100, 200 & 300	PR160002	0	0	725,000	0	0	0	0	0	725,000
Richland Community Center Roof Repair	PR170005	0	0	75,000	0	0	0	0	0	75,000
Rivers to Ridges Trail: Badger Mountain Section	PR170004	0	0	700,000	0	0	0	0	0	700,000
Trailhead Park: Replacement of Steps & Bypass Trail	PR170001	0	5,000	50,000	0	0	0	0	0	55,000
West Village Park at Badger Mountain South	PR130005	0	0	0	0	0	0	0	1,600,000	1,600,000
Parks Total:		3,240,459	853,000	2,800,000	1,360,000	1,610,000	1,660,000	1,320,000	1,870,000	14,713,459
FUNDING SOURCES										
CDBG Funds		0	0	80,000	0	0	0	0	0	80,000
Criminal Justice Sales Tax		0	91,000	20,000	10,000	10,000	10,000	0	0	141,000
Donations		78,580	0	350,000	0	0	0	0	0	428,580
Electric Fund		117,950	14,760	227,106	6,815	6,815	6,815	6,815	0	387,076
Equipment Maint Fund		0	6,921	1,089	1,138	1,138	1,138	1,138	0	12,562
General Fund		1,672,357	215,280	1,501,660	1,033,300	1,033,300	1,033,300	1,033,300	0	7,522,497
Grant - RCO		215,676	0	350,000	0	0	0	0	500,000	1,065,676
Library Capital Reserve		0	0	0	0	0	300,000	0	0	300,000
LTGO Bond Fund		15,000	0	0	0	0	0	0	0	15,000
Medical Services Fund		1,700	0	2,482	1,215	1,215	1,215	1,215	0	9,042
Park Partnership Program		0	5,000	0	0	0	0	0	0	5,000
Parks Reserve Fund		248,246	0	0	0	0	0	0	0	248,246
Parks Reserve Fund (Undesignated)		204,000	20,000	20,000	0	0	0	0	0	244,000
Parks Reserve-Park District 1		31,000	0	60,000	0	0	0	0	0	91,000
Parks Reserve-Park District 2		0	0	50,000	0	0	0	0	0	50,000
Parks Reserve-Park District 3		196,000	0	0	50,000	50,000	0	0	0	296,000
Parks Reserve-Park District 4		0	0	0	0	0	0	0	1,100,000	1,100,000
Public Works Admin & Eng		0	2,763	982	1,027	1,027	1,027	1,027	0	7,853
REET-RE Excise Tax 1st 1/4%		330,000	427,000	5,000	0	250,000	250,000	250,000	250,000	1,762,000
REET-RE Excise Tax 2nd 1/4%		20,000	40,000	50,000	250,000	250,000	50,000	20,000	20,000	700,000
Solid Waste Fund		8,750	1,782	5,323	1,440	1,440	1,440	1,440	0	21,615
Stormwater Fund		6,300	1,080	467	250	250	250	250	0	8,847
Streets Fund (GF)		0	8,262	1,600	1,672	1,672	1,672	1,672	0	16,550
Wastewater Fund		30,100	8,253	4,823	822	822	822	822	0	46,464
Water Fund		44,800	10,899	69,468	2,321	2,321	2,321	2,321	0	134,451
WCIA Insurance Settlement Pmt		20,000	0	0	0	0	0	0	0	20,000
Parks Total:		3,240,459	853,000	2,800,000	1,360,000	1,610,000	1,660,000	1,320,000	1,870,000	14,713,459

Badger Mountain Park Improvements

Type of Project Parks Project		Partnership Project? <input type="checkbox"/> YES	Project # PR130001
Key # 6	Goal # 3	Strategic Leadership Plan Project? <input type="checkbox"/> Yes	
PROJECT NAME: Badger Mountain Park Improvements			
PROJECT ADMINISTRATION: Parks & Public Facilities			
PROJECT LOCATION: Badger Mountain Park, south Richland			
PROJECT TIMELINE: 2017 - 2019			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> YES			

PROJECT DESCRIPTION

Badger Mountain Park is defined as a "regional park" and includes several popular amenities including a lighted, multipurpose football/lacrosse field, the best dog park in Eastern Washington, a water jet splash pad, and three of the finest maintained little league fields you'll find in the area - all centrally located on the Keene Road corridor. **2017** - complete the remaining 2 acres of the dog park; **2019** - pave the first half of the existing, rural-standard gravel parking lot adjacent to Englewood Drive; **2020** - pave the second half of the gravel parking lot adjacent to Englewood Drive. The gravel parking lot creates dust and is uneven in places creating access issues. Paving the parking lot would better meet the community's expectation for the facility.

PROJECT ASSUMPTIONS

A synthetic field conversion has been a goal at "Wiser Field" at Badger Mountain Community Park for many years, and the item has been removed from the project in 2018 based on the scheduled update of the City's Strategic Leadership Plan.

BENEFITS

Badger Mountain Community Park serves youth athletics, aquatics and dog user groups.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,308,502	738,502	70,000		250,000	250,000			
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
EQUIPMENT	-								
TOTAL	\$ 1,308,502	\$ 738,502	\$ 70,000	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PARK RESERVE FUND	248,246	248,246							
PARK RESERVE - DISTRICT 3	296,000	196,000			50,000	50,000			
RCO GRANT	215,676	215,676							
UNFUNDED	-								
DONATIONS	78,580	78,580							
RE EXCISE TAX 1ST 1/4%	70,000		70,000						
RE EXCISE TAX 2ND 1/4%	400,000				200,000	200,000			
TOTAL	\$ 1,308,502	\$ 738,502	\$ 70,000	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

By-Pass Shelterbelt Irrigation Renewal

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR160001

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: By-Pass Shelterbelt Irrigation Renewal

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: By-pass Shelterbelt, Thayer to Van Giesen

PROJECT TIMELINE: 2020 - 2024

RESPONSE TO *GMA LEVEL OF SERVICE?

No

PROJECT DESCRIPTION

The City's irrigation system serving the By-Pass Shelterbelt is outdated flood irrigation infrastructure sourced from the Yakima River. This project would provide a new well water source for the By-Pass Shelterbelt irrigation system and convert the open ditch irrigation system to a pressurized underground irrigation system with a new well water source. 2020 - develop well water source; 2021 - install new irrigation system Thayer to Duportail; 2022 - install new irrigation system Duportail to Swift. 2023 - install new irrigation system swift to Van Giesen.

PROJECT ASSUMPTIONS

Converting from flood irrigation technology sourced from the Yakima River to a pressurized system sourced from a new well will improve the quality of shelterbelt trees and landscaping.

BENEFITS

Replacing the irrigation system will increase water use efficiency and reduce irrigation maintenance costs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	1,456,458	456,458				250,000	250,000	250,000	250,000
	-	-							
	-	-							
TOTAL	\$ 1,456,458	\$ 456,458	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	1,180,000	180,000				250,000	250,000	250,000	250,000
GENERAL FUND	201,458	201,458							
UNDESIGNATED PARK RESERVE	75,000	75,000							
	-	-							
	-	-							
TOTAL	\$ 1,456,458	\$ 456,458	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City-Wide Tree Replacement

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR130016

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: City-Wide Tree Replacement

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide

PROJECT TIMELINE: 2017 - Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

The City manages a large inventory of public trees that serve a variety of purposes. The City employs a licensed arborist and participates on the Mid-Columbia Forestry Council, and maintains the City's "Tree City USA" designation. This professional management over the years has resulted in a healthy city-owned tree canopy that is enjoyed by the public. This project funds major tree work that cannot be absorbed by the annual maintenance operating budget and consists of bulk tree purchases and contracting with local tree services to remove end-of-life mature trees.

PROJECT ASSUMPTIONS

Active management of the City's public trees are necessary for safety and aesthetics. The majority of project funds to date have been used in the Bypass Shelterbelt. The City maintains approximately 3,000 trees and experiences different degrees of annual tree mortality. The City's streetscape trees suffer, for example, approximately 10% annual loss due to vandalism, accidents and extreme environmental conditions.

BENEFITS

Implementation of a proactive tree replacement plan will help to maintain a healthy and diverse tree canopy including trees of all ages and varieties. The City has removed 250 trees since 2015 due to vandalism, storm damage, disease and natural aging. In that same period the City has planted 175 trees. The City manages 6,000 publicly-owned trees throughout the City and plans for a 2% annual mortality rate. 200 of those trees are in streetscape environments and face a 10% annual mortality rate.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	220,000	60,000	40,000	20,000	20,000	20,000	20,000	20,000	20,000
	-	-	-						
	-	-	-						
	-	-	-						
TOTAL	\$ 220,000	\$ 60,000	\$ 40,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 2ND 1/4%	180,000	20,000	40,000	20,000	20,000	20,000	20,000	20,000	20,000
WCIA INSURANCE SETTLEMENT PAYMENT	20,000	20,000							
GENERAL FUND	20,000	20,000							
	-	-							
	-	-							
TOTAL	\$ 220,000	\$ 60,000	\$ 40,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
INCREASED MAINTENANCE COST	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	20,000	380-337-0004-594524-4936
TOTAL	\$ 20,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Drollinger Park Amenities

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR130007

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Drollinger Park Amenities

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Tanglewood Subdivision west of SR-240

PROJECT TIMELINE: 2014 - 2018

RESPONSE TO *GMA LEVEL OF SERVICE? YES

PROJECT DESCRIPTION

Drollinger Park is one of the City's newest parks and has been receiving funding and attention to meet the standard identified in the City's long-range park master planning document. The park serves residents west of the By-Pass Highway in the Tanglewood area. The park has been graded, irrigated, planted with grass and trees and the next step to meet the City's standard is the installation of a playground amenity. 2018 - Hold neighborhood meetings, develop master plan and install playground equipment.

PROJECT ASSUMPTIONS

Approval of park master plan and available funds in Park District 1.

BENEFITS

Provide Neighborhood Park amenities to meet the City's level of service standards.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	120,000	60,000	-	60,000	-	-	-	-	-
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 120,000	\$ 60,000	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PARK DISTRICT 1	91,000	31,000	-	60,000	-	-	-	-	-
UNDESIGNATED PARK RESERVE FUND	29,000	29,000	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 120,000	\$ 60,000	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
PARK MAINTENANCE	54,500	-	-	7,500	9,000	9,200	9,400	9,600	9,800
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 54,500	-	-	\$ 7,500	\$ 9,000	\$ 9,200	\$ 9,400	\$ 9,600	\$ 9,800

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	60,000	380-337-0066-594768-6403
TOTAL	\$ 60,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Fire Station 72 Building Repairs

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR170006

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Fire Station 72 Building Repairs

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Fire Station 72

PROJECT TIMELINE: 2018

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

Fire station 72 was constructed in 1991 and is now 26 years old. For the past several years the building's original 1991 roof has leaked and maintenance has been performed by facility crews. Over the past two years the leaks have become more significant to the point that the roof now needs to be replaced. This project will also include repairs to damaged exterior and interior walls and removal of the gutter/soffit system that is part of the original design and construction of the building.

PROJECT ASSUMPTIONS

Additional drainage will be added to the roof gutter/soffit to accommodate winter weather in 2017 prior to initiating a larger roof replacement project in 2018.

BENEFITS

Repairs to the building will provide a new roof, prevent the collection of water, snow and ice from accumulating and address existing water penetration into an interior wall.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	350,000			350,000					
	-								
	-								
	-								
TOTAL	\$ 350,000	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	350,000			350,000					
	-								
	-								
	-								
TOTAL	\$ 350,000	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	350,000	385-900-0006-594190-6417
TOTAL	\$ 350,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Goethals Park Improvements

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR170002

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Goethals Park Improvements

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Goethals Park

PROJECT TIMELINE: 2018

RESPONSE TO *GMA LEVEL OF SERVICE? Yes

PROJECT DESCRIPTION

Goethals Park is located in central Richland and has a playground and other features with a natural, outdoors theme. It has proven to be a big draw for young families and is a great amenity in the neighborhood. The park is in need of a bathroom facility and improved playground safety surfacing to meet the growing use. Staff has designed a prototype three-sided enclosure to house portable toilets as a lower cost and low maintenance alternative to a formal bathroom structure and believes Goethals Park is a good place to deploy the design. 2018 - construct a portable toilet enclosure and replace engineered wood fiber playground surfacing with rubber surfacing.

PROJECT ASSUMPTIONS

The project is competing for Community Development Block Grant funds and subject to additional review by the Planning Commission and City Council.

BENEFITS

Improve playground safety and accessibility and improve park aesthetics by enclosing portable toilet.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	80,000			80,000					
	-								
	-								
	-								
	-								
TOTAL	\$ 80,000	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CDBG FUNDS	80,000			80,000					
	-								
	-								
	-								
	-								
TOTAL	\$ 80,000	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	80,000	380-337-0066-594566-6403
TOTAL	\$ 80,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Horn Rapids Athletic Complex Infield & Fence Renewal

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR160003

Key #

6

Goal #

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Horn Rapids Athletic Complex Infield & Fence Renewal

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Horn Rapids Athletic Complex

PROJECT TIMELINE: 2017 - 2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The Horn Rapids Athletic Complex is an overflow softball facility for the premier Columbia Playfields and also serves adult softball users. The complex is maintained at a lower level of service than other, similar facilities, and is now in need of infield and fence repairs beyond the capability of the City's maintenance operating budget. 2017 - reconstruct infields on all four fields; 2018 - replace fencing on Field 1; 2019 - replace fencing on Field 2; 2020 - replace fencing on field 3; 2021 - replace fencing on field 4.

PROJECT ASSUMPTIONS

The softball portion of the Horn Rapids Athletic Complex will be replaced at a currently undetermined time in the future with a facility at Hanford Legacy Park at which point the fields will revert to economic development opportunities in the industrial park. Other park features including the existing BMX track and supporting facilities will remain.

BENEFITS

This project will improve player safety, playability, and park aesthetics.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	170,000		50,000	30,000	30,000	30,000	30,000		
	-								
	-								
	-								
TOTAL	\$ 170,000	\$ -	\$ 50,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	50,000		50,000						
RE EXCISE TAX 2ND 1/4%	120,000			30,000	30,000	30,000	30,000		
	-								
	-								
TOTAL	\$ 170,000	\$ -	\$ 50,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	30,000	380-337-0066-596799-6403
TOTAL	\$ 30,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Municipal Facilities Renewal & Improvement Program

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR140020

Key #

2

Goal #

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Municipal Facilities Renewal & Improvement Program

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide

PROJECT TIMELINE: 2016 - 2022

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The City owns and operates a number of buildings used for general purpose government. The City additionally owns a number of buildings and facilities that are operated by City enterprise funds and those are not considered here. Existing general purpose government facilities include: Fire Stations, 1, 2, 3 & 4, Library, Community Center, City Hall & Annex, 703 Building, Police Station and Shops Buildings, 100, 200 & 300 and park buildings such as restrooms and shelters. The City's facility maintenance operating budget absorbs the expense of basic operations and small repairs. This project is intended to fund ongoing renewal and improvement projects to existing facilities outside the scope and capability of the annual operating budget. Projects are contemplated in life cycle planning for each facility. Major improvement projects are outside the capability of this renewal and improvement program and are separated out into their own capital improvement projects.

PROJECT ASSUMPTIONS

The existing City Hall, Administrative Annex and the Development Services Buildings are scheduled to be replaced with a new City Hall in Spring of 2019. This program funds the categories of safety and security in a five category program also including corrective, preventative, efficiency and beautification projects. Facilities investment at the three facilities scheduled for replacement will be at a decreased level of service recognizing the City Hall project.

BENEFITS

Prolong building life expectancy and ensure building and safety of the general fund supported 14 buildings which total over 300,000 square feet.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
FACILITY MAINTENANCE	3,717,499	1,660,499	270,000	287,000	300,000	300,000	600,000	300,000	
	-								
	-								
TOTAL	\$ 3,717,499	\$ 1,660,499	\$ 270,000	\$ 287,000	\$ 300,000	\$ 300,000	\$600,000	\$300,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	3,070,403	1,450,899	215,280	271,024	283,300	283,300	283,300	283,300	
STREETS FUND	16,550	-	8,262	1,600	1,672	1,672	1,672	1,672	
ELECTRIC FUND	166,490	117,950	14,760	6,520	6,815	6,815	6,815	6,815	
WATER FUND	67,203	44,800	10,899	2,220	2,321	2,321	2,321	2,321	
WASTEWATER FUND	42,427	30,100	8,253	786	822	822	822	822	
SOLID WASTE FUND	17,670	8,750	1,782	1,378	1,440	1,440	1,440	1,440	
STORMWATER FUND	8,619	6,300	1,080	239	250	250	250	250	
MEDICAL SERVICES FUND	7,722	1,700	-	1,162	1,215	1,215	1,215	1,215	
EQUIPMENT MAINTENANCE FUND	12,562	-	6,921	1,089	1,138	1,138	1,138	1,138	
PUBLIC WORKS ADMIN & ENG FUND	7,853	-	2,763	982	1,027	1,027	1,027	1,027	
LIBRARY CAPITAL RESERVE (GFUND)	300,000	-	-	-	-	-	300,000	-	
TOTAL	\$ 3,717,499	\$ 1,660,499	\$ 270,000	\$ 287,000	\$ 300,000	\$ 300,000	\$ 600,000	\$ 300,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY

ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

DESCRIPTION	2018	CODING
NON-CAPITAL ITEM	287,000	001-335-0014-571510-4806
TOTAL	\$ 287,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Revised date: 9/13/17

Park Signage

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR140009

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Park Signage

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide

PROJECT TIMELINE: 2017 - Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

This project will fabricate and install park monument and rule and/or informational signs in parks. 2018 marks the final year of the multi-year program to install park name signs at all neighborhood parks. The remainder of the park sign obligations will be transferred into the operating budget beginning in 2019.

PROJECT ASSUMPTIONS

Installing monument signs at neighborhood parks helps to identify city parks to citizens and visitors. Rule and other informational signs communicate the city's expectations.

BENEFITS

Enhanced image for the City's neighborhood parks. Identification of rules and behavior expectations for park users via rule and information signs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
FABRICATION AND INSTALLATION	175,000	125,000	25,000	25,000					
	-								
	-								
	-								
TOTAL	\$ 175,000	\$ 125,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
UNDESIGNATED PARK RESERVE FUND	140,000	100,000	20,000	20,000					
RE EXCISE TAX 1ST 1/4%	20,000	10,000	5,000	5,000					
LTGO BOND	15,000	15,000							
	-								
	-								
TOTAL	\$ 175,000	\$ 125,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	25,000	380-337-0066-594524-6334
TOTAL	\$ 25,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Park & Neighborhood Safety Program

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR160005

Key #

7

Goal #

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Park & Neighborhood Safety Program

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Citywide - various locations

PROJECT TIMELINE: 2017 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

This program is being developed to provide enhanced safety features to public recreation facilities and public streets. Specific program elements are in development with input from staff members from the Richland Police Department, Parks and Facilities Department, and Public Works Department. Program elements may include public recreation and parks site security improvements, emergency response notification improvements, pedestrian and bicycling safety features, and neighborhood traffic calming features. Staff intends to develop specific proposals and guidance policies for Council consideration prior to deploying specific projects.

PROJECT ASSUMPTIONS

The project will only deploy projects after Council support is achieved for staff-developed proposals and policies. Staff intends to develop an updated neighborhood traffic calming policy and to propose pedestrian safety improvements in some public recreation areas. The project will also depend on affirmation of project eligibility against the requirements of the Criminal Justice Sales tax funding source.

BENEFITS

The project will result in enhanced public safety and in improved responsiveness to validated safety concerns brought forward by residents.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION EQUIPMENT	141,000		91,000	20,000	10,000	10,000	10,000		
TOTAL	\$ 141,000	\$ -	\$ 91,000	\$ 20,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CRIMINAL JUSTICE SALES TAX	141,000		91,000	20,000	10,000	10,000	10,000		
TOTAL	\$ 141,000	\$ -	\$ 91,000	\$ 20,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY		
ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	20,000	380-337-0064-594524-6335
TOTAL	\$ 20,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Parks Facilities Renewal & Improvement

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR140021

Key #

2

Goal #

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Parks Facilities Renewal & Improvement

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide

PROJECT TIMELINE: 2015 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

The City's park maintenance operating budget absorbs the expense of basic operations and small repairs. This renewal and improvement program is intended to be used for ongoing park improvement beyond the capability of the maintenance operating budget including: ball field turf and minor fencing replacement, minor playground safety surfacing replacement, trail and parking lot crack sealing/repairs/overlays, replacing park amenities, court resurfacing, irrigation system upgrades, and other similarly scaled projects. Major improvement projects are outside the capability of this renewal and improvement program and are separated out into their own capital improvement projects.

PROJECT ASSUMPTIONS

Safety, security and corrective projects are prioritized over preventative, efficiency, beautification, and replacement projects.

BENEFITS

Improve safety, longevity and accessibility of park amenities.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PARKS FACILITIES MAINTENANCE	3,820,000	140,000	302,000	378,000	750,000	750,000	750,000	750,000	
	-								
	-								
	-								
TOTAL	\$ 3,820,000	\$ 140,000	\$ 302,000	\$ 378,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	442,000	140,000	302,000						
GENERAL FUND	3,378,000			378,000	750,000	750,000	750,000	750,000	
UNFUNDED	442,000	140,000	302,000						
	-								
	-								
TOTAL	\$ 4,262,000	\$ 280,000	\$ 604,000	\$ 378,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
NON-CAPITAL ITEM	PENDING	001-335-0064-576100-4814
TOTAL	\$ -	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Re-roof City of Richland Shops Buildings, 100, 200 & 300

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR160002

Key #

2

Goal #

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Re-roof City of Richland Shops Buildings, 100, 200 & 300

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: 2700 Duportail Street

PROJECT TIMELINE: 2018

RESPONSE TO *GMA LEVEL OF SERVICE?

No

PROJECT DESCRIPTION

The roofs at the City Shops complex (3 major buildings) are a 45-mil, mechanically fastened product. The expected lifecycle of that product is 15-18 years. Two years ago, the failing seams were patched to reduce water infiltration and to extend the lifecycle. The roof membrane is now failing between the seams, and patching and sealing are no longer an option. The city's roofing warranty contractor has recommended an overlay of the existing roof to utilize the current insulation. The overlay will come with a 20-year warranty. If the current insulation continues to get wet because of water infiltration, it will have to be removed and replaced to the current energy codes. If we overlay before more damage to the insulation is done, we can avoid costly insulation replacement along with the new roofing membrane.

PROJECT ASSUMPTIONS

The roof systems at the Shops complex are a 15-18 year design life product. The shops are 24 years old. The roofs are 6-9 years beyond design life and are showing visible signs of failure on the sheeting between the material seams.

BENEFITS

Provide weatherproofing to City facilities to protect the public investment.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	725,000	-	-	725,000					
	-								
	-								
	-								
	-								
TOTAL	\$ 725,000	\$ -	\$ -	\$ 725,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	427,636			427,636					
ELECTRIC FUND	220,586			220,586					
WATER FUND	67,248			67,248					
WASTEWATER FUND	4,037			4,037					
SOLID WASTE FUND	3,945			3,945					
STORMWATER FUND	228			228					
MEDICAL SERVICES FUND	1,320			1,320					
TOTAL	\$ 725,000	\$ -	\$ -	\$ 725,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	725,000	385-900-0006-594190-6417
TOTAL	\$ 725,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Richland Community Center Roof Repair

Type of Project

Parks Project

Partnership Project?

Project #

PR170005

Key #

2

Goal #

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

The Community Center roof is 16 years old and has had a history of leaking during rain and snow events causing water damage to interior drywall, paint and ceiling tiles. This project will analyze the cause of the leaks and repair the roof to prevent future leaks.

PROJECT ASSUMPTIONS

The roof design of the Community Center is an "inverted butterfly" architectural design, meaning that all water on the roof is directed to the center of the roof. It is assumed that the roof can be repaired without replacing the entire roof.

BENEFITS

Eliminate water leaking inside of the Richland Community Center.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
EVALUATION OF EXISTING ROOF	10,000			10,000					
CONSTRUCTION	65,000			65,000					
	-								
	-								
	-								
TOTAL	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	75,000			75,000					
	-								
	-								
	-								
	-								
TOTAL	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	(12,000)			(2,000)	(2,000)	(2,000)	(2,000)	(2,000)	(2,000)
	-								
	-								
	-								
TOTAL	\$ (12,000)	-	-	\$ (2,000)	\$ (2,000)	\$ (2,000)	\$ (2,000)	\$ (2,000)	\$ (2,000)

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	75,000	385-900-0006-594190-6417
TOTAL	\$ 75,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Rivers to Ridges Trail: Badger Mountain Section

Type of Project

Parks Project

Partnership Project?

YES

Project #

PR170004

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Rivers to Ridges Trail: Badger Mountain Section

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Little Badger Mountain to the Badger Mountain Centennial Preserve in the vicinity of the new Westcliffe Heights subdivision

PROJECT TIMELINE: 2018 - 2019

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The Benton County-owned Badger Mountain Centennial Preserve receives over a quarter million visits per year. The County and the Friends of Badger Mountain are attempting to distribute visitors to other portions of the Preserve and to other ridgelines (Candy Mountain). This project will install a new trail on property the City is acquiring through a developer's contribution of land in lieu of park impact fees on Little Badger Mountain, connecting to an existing City trail adjacent to Falconcrest. The trail development project may require additional, minor land acquisition to meet grade and transition requirements. The project is intended to be grant funded and the City's contribution will be non-cash land value along with material and labor contribution from Friends of Badger Mountain.

PROJECT ASSUMPTIONS

The Preserve and Trailhead Park continue to be popular among park users. Award of State Resource and Conservation Office grant.

BENEFITS

Use of Trailhead Park and the Benton County Centennial Preserve is at all time highs (over a quarter million annual visits). Distributing use onto additional trails and locations is good for trail management and user experience.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PROPERTY ACQUISITION	400,000			400,000					
CONSTRUCTION	300,000			300,000					
	-								
	-								
	-								
TOTAL	\$ 700,000	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
2018 RCO GRANT	350,000			350,000					
PROPERTY DONATION (CITY NON-MATCH)	350,000			350,000					
	-								
	-								
	-								
TOTAL	\$ 700,000	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	700,000	380-337-0066-596795-6312
TOTAL	\$ 700,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Trailhead Park: Replacement of Steps & Bypass Trail

Type of Project

Parks Project

Partnership Project?

YES

Project #

PR170001

Key #

6

Goal #

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Trailhead Park: Replacement of Steps & Bypass Trail

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Trailhead Park, 505 Queensgate Dr.

PROJECT TIMELINE: 2018

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

The Benton County-owned Badger Mountain Centennial Preserve draws over a quarter million annual visits and the bulk of visitors access the County Park through the City-owned Trailhead Park. Access to the preserve is over a series of City-owned rustic, natural basalt rock steps that are not suitable for users of every ability. This project will replace the City-owned steps with a manufactured block product and provide an alternative trail by-pass around the steps. 2018 - The Friends of Badger Mt. (FOBM) will construct a new trail to by-pass the steps on the Canyon Trail to make the mountain more accessible.

PROJECT ASSUMPTIONS

FOBM received a 2017 Park Partnership Program funding. A topographic survey will be initiated by the City and a temporary construction easement will be executed with the FOBM for trail construction.

BENEFITS

These two projects will improve accessibility and safety. The City will benefit from approximately \$7,500 of volunteer labor and \$5,400 in material and equipment from FOBM.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	55,000		5,000	50,000					
	-								
	-								
	-								
	-								
TOTAL	\$ 55,000	\$ -	\$ 5,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PARK RESERVE, DISTRICT 2	50,000			50,000					
PARK PARTNERSHIP PROGRAM	5,000		5,000						
	-								
	-								
	-								
TOTAL	\$ 55,000	\$ -	\$ 5,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	50,000	380-337-0066-596795-6403
TOTAL	\$ 50,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

West Village Park at Badger Mountain South

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR130005

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: West Village Park at Badger Mountain South

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Badger Mountain South

PROJECT TIMELINE: Development driven

RESPONSE TO *GMA LEVEL OF SERVICE? YES

PROJECT DESCRIPTION

Badger Mountain South is a new, private development in south Richland that is constructing a neighborhood on existing and former irrigated farm land. The project is being developed in phases and there are no city parks in the area today. Per the Badger Mountain South Development Agreement the first phase of the first required park is triggered at the issuance of the 400th building permit and the City has 18 months from that point to complete the first phase of park improvements. There are a number of phases identified in the agreement the first of which is anticipated in 2022 to install irrigation and turf on 10 acres of the 30 acre designated Community Park.

PROJECT ASSUMPTIONS

Home building will occur based on an anticipated schedule. The project is fully funded by neighborhood park impact fees. The development agreement addresses 2 parks each with 4 construction phases.

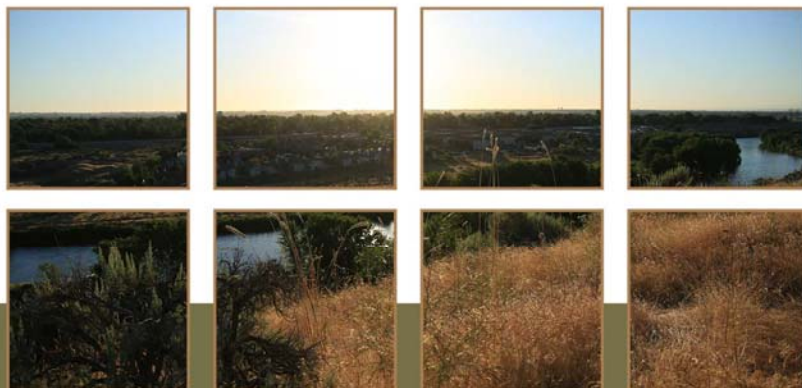
BENEFITS

Provide neighborhood and community park amenities to residents in Badger Mountain South and to meet the City's obligations of the development agreement.

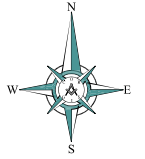
PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,600,000								1,600,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 1,600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,600,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PARK DISTRICT 4	1,100,000								1,100,000
RCO GRANT	500,000								500,000
	-								
	-								
	-								
TOTAL	\$ 1,600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,600,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Solid Waste



Capital Improvement Plan

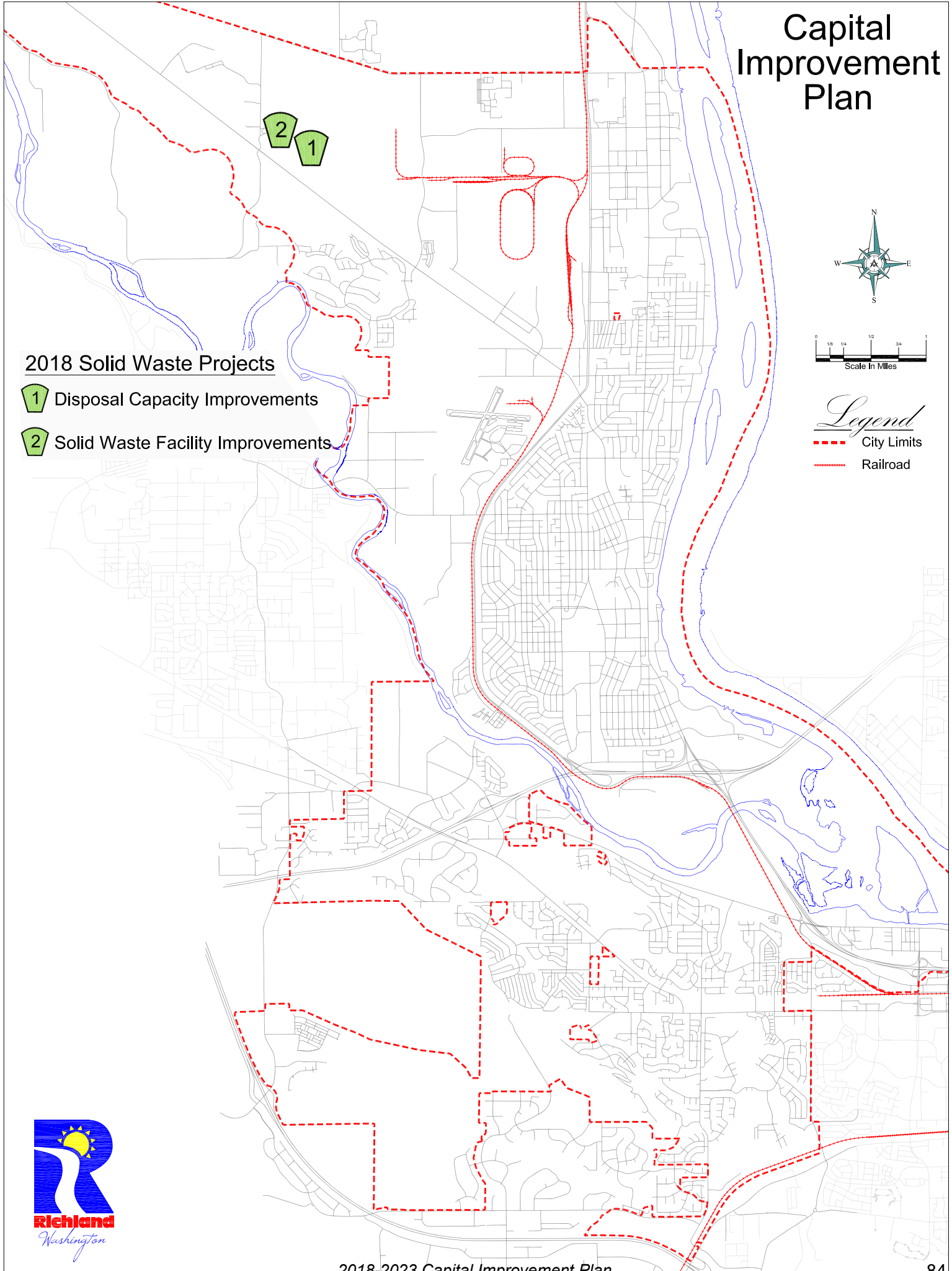


Legend

- City Limits
- Railroad

2018 Solid Waste Projects

- 1 Disposal Capacity Improvements
- 2 Solid Waste Facility Improvements





Capital Improvement Plan

2018 thru 2023

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Solid Waste Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Solid Waste										
PROJECT COSTS										
Disposal Capacity Improvements	SW130002	143,512	0	1,275,000	7,225,000	0	0	0	0	8,643,512
Landfill Closure, Phase 2	SW130003	0	0	0	225,000	3,555,000	0	0	0	3,780,000
Solid Waste Facility Improvements	SW160001	0	165,000	20,000	20,000	20,000	20,000	20,000	20,000	285,000
Solid Waste Total:		143,512	165,000	1,295,000	7,470,000	3,575,000	20,000	20,000	20,000	12,708,512
FUNDING SOURCES										
Rate Revenue		143,512	165,000	20,000	20,000	20,000	20,000	20,000	20,000	428,512
Solid Waste Closure & Gen Ob Bonds		0	0	1,275,000	7,225,000	0	0	0	0	8,500,000
Solid Waste Fund (Rsv for closure)		0	0	0	225,000	3,555,000	0	0	0	3,780,000
Solid Waste Total:		143,512	165,000	1,295,000	7,470,000	3,575,000	20,000	20,000	20,000	12,708,512

Disposal Capacity Improvements

Type of Project Solid Waste		Partnership Project? <input type="text" value="NO"/>	Project # SW130002
Key # 5	Goal # 2	Strategic Leadership Plan Project? <input type="text" value="Yes"/>	
PROJECT NAME: <input type="text" value="Disposal Capacity Improvements"/>			
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>			
PROJECT LOCATION: <input type="text" value="Richland Sanitary Landfill"/>			
PROJECT TIMELINE: <input type="text" value="2016 - 2019"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="YES"/>			

PROJECT DESCRIPTION

Plan, design and construct facilities needed to provide future solid waste disposal capacity. A feasibility study completed in 2017 resulted in Council selecting Horn Rapids Landfill expansion as the means of meeting the City's long term waste disposal needs. 2018 work will complete engineering design for the landfill expansion and the beginning of construction. Construction in 2019 will include completing the landfill expansion and replacing the current administrative office and scalehouse and selected improvements to the customer transfer station.

PROJECT ASSUMPTIONS

The project will require debt financing in 2019, either through a City bond issue or state-issued low-interest loan. The project schedule is based on current estimates of remaining on-site landfill capacity which show the current landfill reaching capacity late in 2019 or early in 2020.

BENEFITS

Provide continued competitive costs for solid waste disposal to Richland citizens and businesses.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	250,000			250,000					
CONSTRUCTION MANAGEMENT	275,000			25,000	250,000				
CONSTRUCTION	7,975,000			1,000,000	6,975,000				
10% CONTINGENCY	-								
OTHER ENG. SERVICES	143,512	127,934	15,578						
	-								
TOTAL	\$ 8,643,512	\$ 127,934	\$ 15,578	\$ 1,275,000	\$ 7,225,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
SOLID WASTE RATE REVENUE	143,512	127,934	15,578						
SW CLOSURE RESERVE&GO BOND ISSUE	8,500,000			1,275,000	7,225,000				
	-								
	-								
	-								
TOTAL	\$ 8,643,512	\$ 127,934	\$ 15,578	\$ 1,275,000	\$ 7,225,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	1,275,000	404-430-0006-594593-6403
TOTAL	\$ 1,275,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Landfill Closure, Phase 2

Type of Project

Solid Waste

Partnership Project?

NO

Project #

SW130003

Key #

2

Goal #

1

Strategic Leadership Plan Project?

No

PROJECT NAME:

Landfill Closure, Phase 2

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Richland Sanitary Landfill

PROJECT TIMELINE:

2019 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Final closure of the east side of the existing permitted landfill will include final grading, installation of an impermeable plastic cover, drilling wells and plumbing for the gas extraction system, top cover of soil and planting vegetation.

PROJECT ASSUMPTIONS

Current estimates are that the current landfill will be ready for closure in late 2019 or 2020. Funding for this closure phase is available in a dedicated reserve within the Solid Waste Utility.

BENEFITS

Closure will meet regulatory requirements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	225,000				225,000				
CONSTRUCTION MANAGEMENT	225,000					225,000			
CONSTRUCTION	3,025,000					3,025,000			
10% CONTINGENCY	305,000					305,000			
	-								
	-								
TOTAL	\$ 3,780,000	\$ -	\$ -	\$ -	\$ 225,000	\$3,555,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
SOLID WASTE FUND (RESERVE FOR CLOSURE)	3,780,000				225,000	3,555,000			
	-								
	-								
	-								
	-								
TOTAL	\$ 3,780,000	\$ -	\$ -	\$ -	\$ 225,000	\$3,555,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Solid Waste Facility Improvements

Type of Project
Solid Waste

Partnership Project?

Project #
SW160001

Key #	Goal #
2	2

Strategic Leadership Plan Project?	No
------------------------------------	----

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

In 2017 planned improvements include rehabilitation of the metals handling area and paving of the container assembly area. In 2018 the planned improvement is reroofing of the scalehouse building.

PROJECT ASSUMPTIONS

BENEFITS

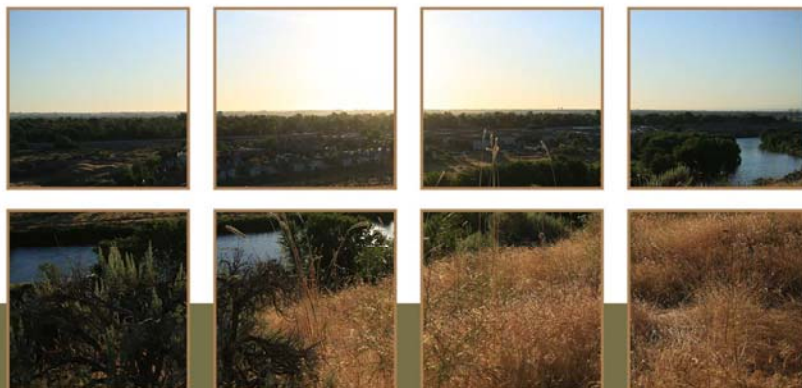
The projects identified will correct facility deficiencies and contribute to improved customer experience and staff efficiency. The metals handling area started as a trial repurposing of a recycling container space at the customer transfer station. The metals handling function began with a shoe-string modification of this area with temporary components. This project will design durable site improvements to service this function into the future. Pavement of the container assembly area will improve efficiency and the condition of new containers before they are deployed for customer use. The Scale House roof requires repairs to extend the building life.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	199,815	54,341	25,474	20,000	20,000	20,000	20,000	20,000	20,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 199,815	\$ 54,341	\$ 25,474	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
SOLID WASTE RATE REVENUE	199,815	54,341	25,474	20,000	20,000	20,000	20,000	20,000	20,000
	-								
	-								
TOTAL	\$ 199,815	\$ 54,341	\$ 25,474	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

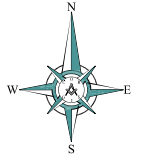
FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	20,000	404-430-0006-594594-6403
TOTAL	\$ 20,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE



Stormwater



Capital Improvement Plan

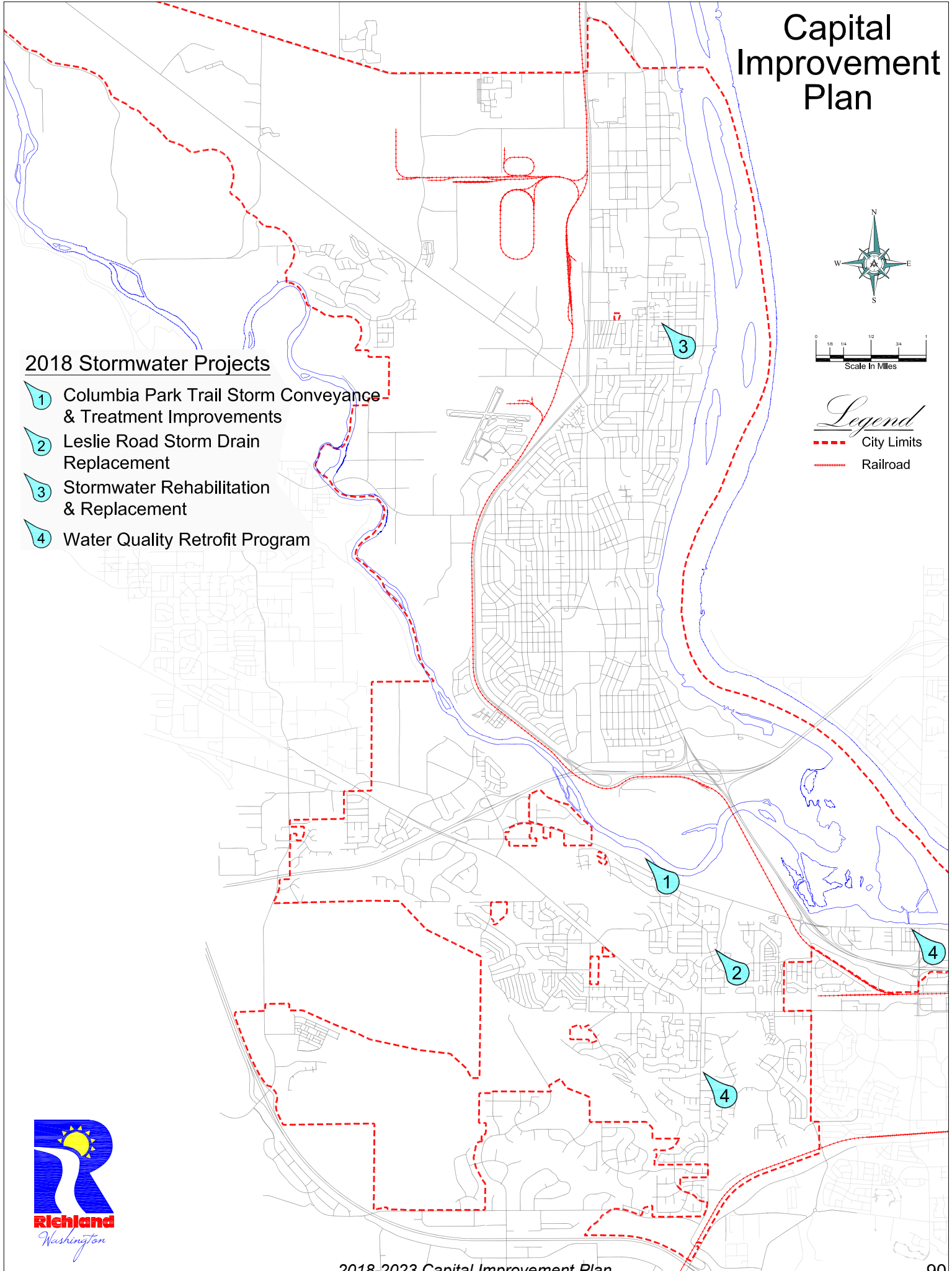


Legend

- City Limits
- Railroad

2018 Stormwater Projects

- 1 Columbia Park Trail Storm Conveyance & Treatment Improvements
- 2 Leslie Road Storm Drain Replacement
- 3 Stormwater Rehabilitation & Replacement
- 4 Water Quality Retrofit Program





Capital Improvement Plan

2018 thru 2023

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Stormwater Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Stormwater										
PROJECT COSTS										
Columbia Park Trail Storm Conveyance & Treatment Improvements	ST170001	0	0	75,000	545,000	0	0	0	0	620,000
Leslie Road Storm Drain Replacement	ST160001	0	0	839,000	0	0	0	0	0	839,000
Stormwater Rehabilitation & Replacement	ST130001	1,140,090	200,000	226,000	405,000	111,000	57,124	58,667	60,251	2,258,132
Water Quality Retrofit Program	ST130006	904,717	38,500	565,587	122,000	158,000	452,000	733,000	752,000	3,725,804
Stormwater Total:		2,044,807	238,500	1,705,587	1,072,000	269,000	509,124	791,667	812,251	7,442,936
FUNDING SOURCES										
Grant - WA State Dept of Ecology		759,717	0	453,065	0	0	0	0	0	1,212,782
Grant Funds (Unsecured)		0	0	56,250	500,250	118,500	339,000	549,750	564,000	2,127,750
Rate Revenue		1,285,090	238,500	1,196,272	571,750	150,500	170,124	241,917	248,251	4,102,404
Stormwater Total:		2,044,807	238,500	1,705,587	1,072,000	269,000	509,124	791,667	812,251	7,442,936

Col. Park Trail Storm Conveyance & Treatment Improvements

Type of Project: Stormwater

Partnership Project? NO

Project # **ST170001**

Key #	Goal #	Strategic Leadership Plan Project?	No
2	2		

PROJECT NAME: Col. Park Trail Storm Conveyance & Treatment Improvements

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Columbia Park Trail from Leslie Road to Sundance Ridge

PROJECT TIMELINE: 2018 - 2019

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

This project will replace the existing roadside ditch with an improved stormwater inlet and conveyance system to eliminate the periodic flooding and erosion problems along this street. The project will also add a water quality treatment feature near the intersection of Columbia Park Trail and Leslie Road to improve the water quality of stormwater discharges to the surface water features nearby.

PROJECT ASSUMPTIONS

The project will proceed only if grant funding is acquired from the Washington State Department of Ecology. The project will require a property license and environmental clearance from the U. S. Army Corps of Engineers, which owns property near Columbia Park Trail and Leslie Road.

BENEFITS

The project will reduce the likelihood of storm damage to Columbia Park Trail and adjacent properties due to occasional intense storms. The project will also improve the quality of runoff water discharged to nearby surface water bodies, thus contributing to the City's Strategic Plan goals of protecting the areas surface water quality resources.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	75,000			75,000					
CONSTRUCTION MANAGEMENT	50,000				50,000				
CONSTRUCTION	450,000				450,000				
10% CONTINGENCY	45,000				45,000				
OTHER ENG. SERVICES	-								
TOTAL	\$ 620,000	\$ -	\$ -	\$ 75,000	\$ 545,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
STORMWATER RATE REVENUES	155,000			18,750	136,250				
ECOLOGY GRANT (UNSECURED)	465,000			56,250	408,750				
	-								
	-								
TOTAL	\$ 620,000	\$ -	\$ -	\$ 75,000	\$ 545,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY**** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

DESCRIPTION	2018	CODING
CAPITAL ITEM	75,000	405-440-0006-594601-6403
TOTAL	\$ 75,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Leslie Road Storm Drain Replacement

Type of Project

Stormwater

Partnership Project?

NO

Project #

ST160001

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Leslie Road Storm Drain Replacement

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Leslie Road from Gage Blvd. to High Meadows Street

PROJECT TIMELINE: 2018

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will replace an existing pipeline that has been determined to undersized for the runoff generated in the area. The project will replace the existing pipeline with one sized to meet the area's needs.

PROJECT ASSUMPTIONS

The project assumes adequate funding and staff time. Since the project will be constructed entirely within existing street right of way no new easements or permitting is required.

BENEFITS

The project will reduce flood risk in the area of Leslie Road and Gage Boulevard, which has experienced several floods in recent years that required closure of Gage Boulevard.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	20,000			20,000					
CONSTRUCTION MANAGEMENT	20,000			20,000					
CONSTRUCTION	726,364			726,364					
10% CONTINGENCY	72,636			72,636					
OTHER ENG. SERVICES	-								
TOTAL	\$ 839,000	\$ -	\$ -	\$ 839,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
STORMWATER RATE REVENUE	839,000			839,000					
	-								
	-								
	-								
TOTAL	\$ 839,000	\$ -	\$ -	\$ 839,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY

ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

DESCRIPTION	2018	CODING
CAPITAL ITEM	839,000	405-440-0006-594602-6403
TOTAL	\$ 839,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Stormwater Rehabilitation & Replacement

Type of Project

Stormwater

Partnership Project?

NO

Project #

ST130001

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Stormwater Rehabilitation & Replacement

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Throughout Richland City Limits

PROJECT TIMELINE: Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

Rehabilitation and replacement projects that address system deficiencies and make repairs in areas of street resurfacing. In 2018, planned work includes improvements to the Keene Road conveyance system and pipe rehabilitation south of Snyder Street and on Waldron Street.

PROJECT ASSUMPTIONS

The assumption is that rates are generating adequate capital revenue funds.

BENEFITS

This program addresses the ongoing maintenance needs for the stormwater conveyance system.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	2,239,242	1,082,956	238,244	226,000	405,000	111,000	57,124	58,667	60,251
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,239,242	\$ 1,082,956	\$ 238,244	\$ 226,000	\$ 405,000	\$ 111,000	\$ 57,124	\$ 58,667	\$ 60,251
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
STORMWATER RATE REVENUE	2,239,242	1,082,956	238,244	226,000	405,000	111,000	57,124	58,667	60,251
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,239,242	\$ 1,082,956	\$ 238,244	\$ 226,000	\$ 405,000	\$ 111,000	\$ 57,124	\$ 58,667	\$ 60,251
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	226,000	405-440-0006-594530-6403
TOTAL	\$ 226,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Water Quality Retrofit Program

Type of Project Stormwater		Partnership Project? <input type="text" value="NO"/>	Project # ST130006	
Key # 2	Goal # 2	Strategic Leadership Plan Project? No		
PROJECT NAME: <input type="text" value="Water Quality Retrofit Program"/>				
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>				
PROJECT LOCATION: <input type="text" value="Various Locations"/>				
PROJECT TIMELINE: <input type="text" value="Ongoing"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

Construct water quality improvement features on the existing storm drainage system. In 2018 this program will focus on two areas: 1) Columbia Park Trail between Fowler Street and the east City limits; and 2) South Meadow Springs. The Columbia Park Trail work will be included in the Columbia Park Trail - East Improvements project described in the Transportation Section. The Meadow Springs South project is in design development and will likely involve cooperation with the Meadow Springs Country Club.

PROJECT ASSUMPTIONS

State and federal environmental regulations require the City to implement programs to reduce pollutants in stormwater runoff. While current regulations do not require system retrofits Washington State offers grant programs to make water quality improvements. Staff believes that future regulatory changes will require these type of improvements and believes that developing projects that can compete for State grant funding is in the best interest of Richland residents. The City has secured grant funds for the Columbia Park Trail and Meadow Springs projects. The Meadow Springs project will likely require cooperation and perhaps an easement from the Meadow Springs Country Club.

BENEFITS

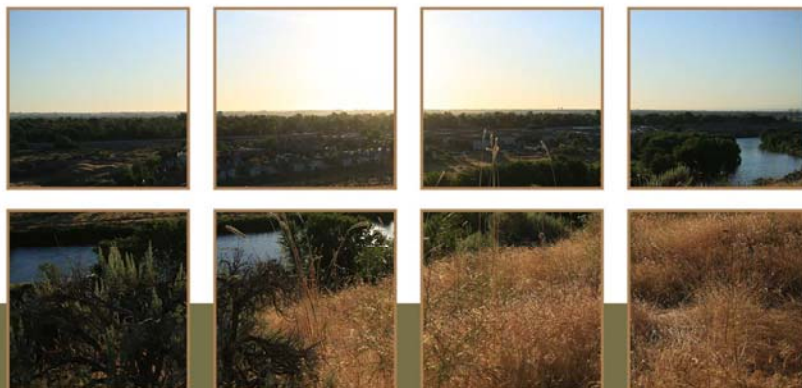
The completed projects will reduce pollutants in stormwater runoff, thus protecting the water resources in our City. The Columbia Park Trail project will leverage stormwater improvements to construct streetscape features on the street and improve the appearance of the Wye Park parking area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	164,500	120,000	38,500	6,000					
CONSTRUCTION MANAGEMENT	86,087	60,000		26,087					
CONSTRUCTION	3,370,808	668,808		485,000	122,000	158,000	452,000	733,000	752,000
10% CONTINGENCY	163,516	113,628	1,388	48,500					
OTHER ENG. SERVICES	-								
TOTAL	\$ 3,784,911	\$ 962,436	\$ 39,888	\$ 565,587	\$ 122,000	\$ 158,000	\$ 452,000	\$ 733,000	\$ 752,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GRANT-WA STATE DEPT OF ECOLOGY	573,065	120,000		453,065					
GRANT-WA STATE DEPT OF ECOLOGY	639,717	639,717							
GRANT - ECOLOGY (UNSECURED)	1,662,750				91,500	118,500	339,000	549,750	564,000
STORMWATER RATE REVENUE	909,379	202,719	39,888	112,522	30,500	39,500	113,000	183,250	188,000
	-								
	-								
TOTAL	\$ 3,784,911	\$ 962,436	\$ 39,888	\$ 565,587	\$ 122,000	\$ 158,000	\$ 452,000	\$ 733,000	\$ 752,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

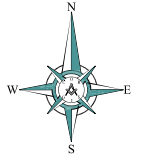
FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	565,587	405-440-0006-594545-6403
TOTAL	\$ 565,587	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE













Transportation

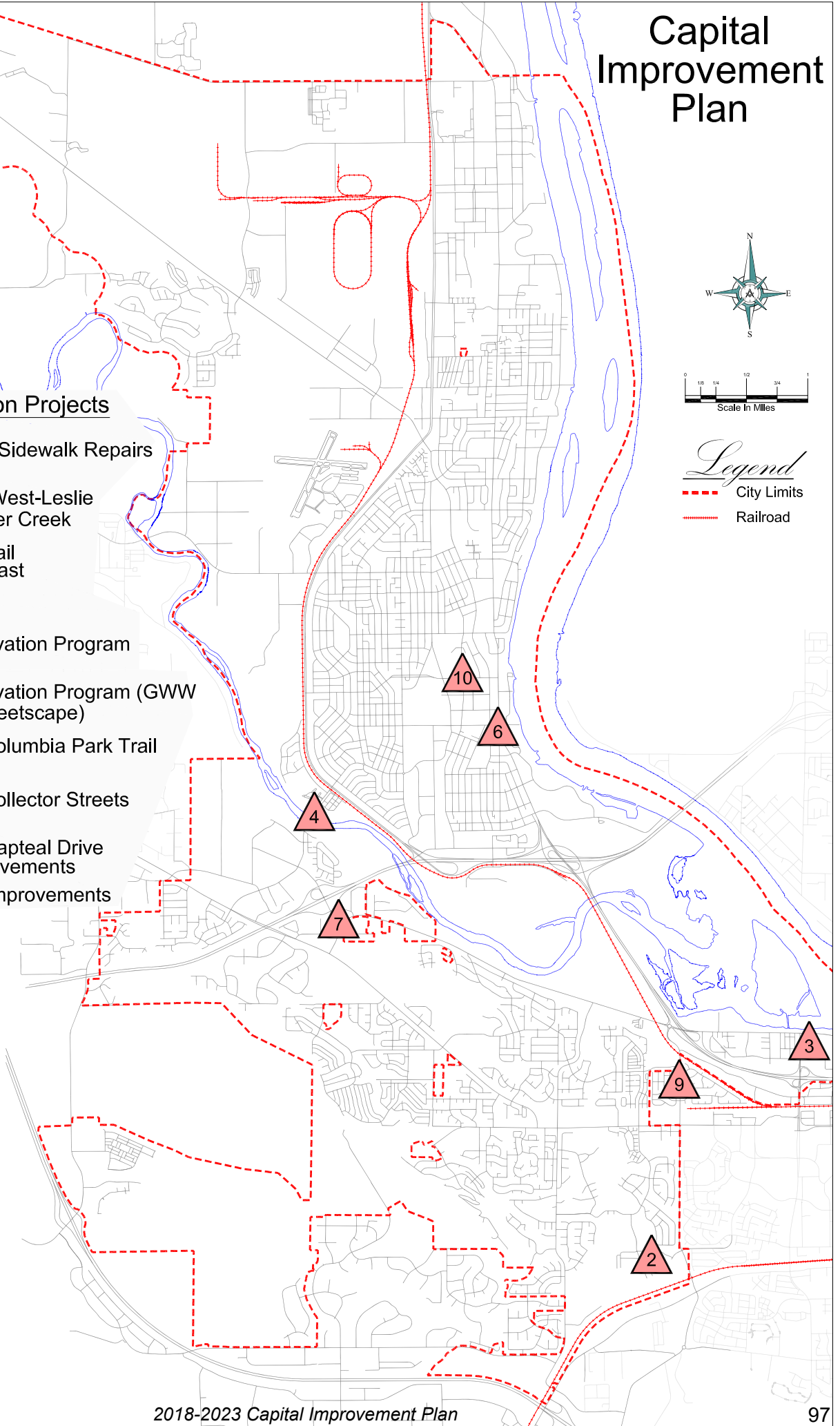


Capital Improvement Plan



2018 Transportation Projects

-  1 ADA Compliance/Sidewalk Repairs
-  2 Center Parkway-West-Leslie Road to Clearwater Creek
-  3 Columbia Park Trail Improvements - East
-  4 Duportail Bridge
-  5 Pavement Preservation Program
-  6 Pavement Preservation Program (GWW Resurfacing & Streetscape)
-  7 Queensgate Dr/Columbia Park Trail Improvements
-  8 South Richland Collector Streets
-  9 Steptoe Street / Tapteal Drive Intersection Improvements
-  10 Swift Boulevard Improvements





Capital Improvement Plan

2018 thru 2023

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Transportation Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Transportation										
PROJECT COSTS										
ADA Compliance / Sidewalk Repairs Program	TR130004	647,041	75,000	120,000	100,000	100,000	100,000	100,000	0	1,242,041
Center Parkway - North- Gage to Tapteal Drive	TR130002	3,086,643	2,120,977	0	917,190	780,160	0	0	0	6,904,970
Center Parkway-West-Leslie Road to Clearwater Creek	TR140019	150,000	0	50,000	1,750,000	0	0	0	0	1,950,000
Columbia Park Trail Improvements - East	TR140016	0	0	125,000	2,727,710	0	0	0	0	2,852,710
Duportail Bridge	TR130001	4,511,561	1,150,000	16,800,000	10,300,000	4,700,000	0	0	0	37,461,561
Gage Boulevard Improvements	TR150023	0	0	0	0	0	75,000	750,000	0	825,000
Marcus Whitman Elementary Sidewalks	TR160003	0	0	0	0	0	491,200	0	0	491,200
Pavement Preservation Program	TR130003	16,764,950	1,230,000	1,726,843	2,091,600	2,820,000	3,290,000	3,290,000	3,290,000	34,503,393
Pavement Preservation Program (GWW Resurfacing & Streetscape)	TR170002	0	0	950,000	3,442,000	0	0	0	0	4,392,000
Queensgate Drive - Phase II	TR150025	0	0	0	0	300,000	500,000	2,600,000	0	3,400,000
Queensgate Drive / Columbia Park Trail Improvements	TR150022	0	175,000	2,310,000	0	0	0	0	0	2,485,000
Queensgate Drive Extension	TR140018	51,150	0	0	0	250,000	850,000	0	0	1,151,150
South GWW Intersection Improvements	TR130011	248,229	0	0	0	0	551,200	500,000	6,238,800	7,538,229
South GWW Pedestrian Access & Safety Improvement	TR160004	0	0	0	0	0	200,000	2,400,000	0	2,600,000
South Richland Collector Streets	TR160005	0	100,000	70,000	70,000	70,000	70,000	70,000	70,000	520,000
Steploe Street / Tapteal Drive Intersection Improvements	TR140017	80,000	0	1,815,000	0	0	0	0	0	1,895,000
Stevens Drive Pathway	TR150026	0	0	0	0	0	0	70,000	880,000	950,000
Swift Boulevard Improvements	TR160002	0	0	980,000	0	0	0	0	0	980,000
Vantage Highway Pathway - Phase II	TR140020	0	0	0	75,000	595,000	0	0	0	670,000
Vantage Highway Pathway - Phase III	TR150027	0	0	0	0	0	50,000	550,000	0	600,000
Transportation Total:		25,539,574	4,850,977	24,946,843	21,473,500	9,615,160	6,177,400	10,330,000	10,478,800	113,412,254

FUNDING SOURCES

2013 BFCOG STP Funding Dist	1,048,107	0	0	0	0	0	0	0	0	1,048,107
2017 BFCOG STP Funding Dist	0	0	789,449	0	0	0	0	0	0	789,449
Benton County Rural Dev Funds (City)	0	0	2,850,000	0	0	0	0	1,200,000	0	4,050,000
Business License Reserve Fund	25,700	0	15,000	25,000	25,000	25,000	25,000	25,000	0	140,700
CDBG Funds	440,515	65,000	95,000	65,000	65,000	65,000	65,000	65,000	0	860,515
City of Kennewick (RR Negotiation)	1,059,260	0	0	0	0	0	0	0	0	1,059,260
Developer Contribution (ROW)	0	136,000	0	0	0	0	0	0	0	136,000
Donations	0	0	10,000	0	0	0	0	0	0	10,000
Federal Appropriation (2013 Budget)	325,383	0	0	0	0	0	0	0	0	325,383
General Fund	1,935,463	930,000	930,000	930,000	930,000	930,000	930,000	930,000	930,000	8,445,463
General Fund (in Lieu of PWTF Debt Svc)	257,892	0	0	0	0	0	0	0	0	257,892
General Obligation Bonds (TBD)	0	0	0	0	0	0	0	0	0	0
Grant - BFCOG STP Funding (Unsecured)	0	0	55,000	865,000	0	0	0	0	0	920,000
Grant - BFCOG TAP Fund Award	0	0	50,000	353,623	0	0	0	0	0	403,623
Grant - Ecology (Unsecured)	0	0	15,000	438,065	0	0	0	0	0	453,065
Grant - STP Fund - COG (Unsecured)	0	900,000	0	556,770	663,230	0	0	0	0	2,120,000
Grant - TAP (UL) (Unsecured)	0	0	0	0	0	30,000	500,000	0	0	530,000
Grant - TIB	0	644,000	0	0	0	0	0	0	0	644,000
Grant - TIB (Unsecured)	0	1,293,860	4,000,000	4,300,420	116,930	330,720	325,000	3,743,280	0	14,110,210
Grant - Washington State	200,000	0	12,010,551	4,905,665	3,083,784	0	0	0	0	20,200,000
Grant - WSDOT Bike/Ped (Unsecured)	0	0	0	0	0	0	0	800,000	0	800,000
Grant - WSDOT NHS (Unsecured)	0	0	500,000	2,573,600	0	0	0	0	0	3,073,600
Grant Funds (Unsecured)	0	0	1,600,000	64,875	594,900	556,075	648,750	0	0	3,464,600
HSIP Funds (Secured)	32,436	0	0	0	0	0	0	0	0	32,436
Impact Fees	201,150	100,000	120,000	470,000	230,850	920,000	70,000	70,000	0	2,182,000
Industrial Development Fund	320,000	0	0	0	0	0	0	0	0	320,000
LTGO 98 Fund	715,000	0	0	0	0	0	0	0	0	715,000
Port of Kennewick	0	0	0	800,000	0	0	0	0	0	800,000
Private Partner	40,000	0	215,000	0	0	0	0	0	0	255,000
Public Works Trust Fund Loan	750,000	0	0	0	0	0	0	0	0	750,000
REET-RE Excise Tax 1st 1/4%	690,119	10,000	0	135,125	89,250	312,805	301,250	0	0	1,538,549
REET-RE Excise Tax 2nd 1/4%	3,500,064	475,000	790,000	660,000	310,000	310,000	610,000	1,235,820	0	7,890,884
Sewer Coll Sys Renewal & Replc	0	0	75,000	0	0	0	0	0	0	75,000
Solid Waste Closure & Gen Ob Bonds	1,000,000	90,000	0	204,335	366,216	0	0	0	0	1,660,551
Stormwater Fund	0	0	5,000	146,022	0	0	0	0	0	151,022



Capital Improvement Plan

2018 thru 2023

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Transportation Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Transportation Funding Sources continued...										
STP - Urban Grant		524,990	0	0	0	0	0	0	0	524,990
STP Fund (Secured-COG)		728,883	207,117	0	0	0	0	0	0	936,000
STP Fund (Unsecured-COG)		0	0	0	0	0	137,800	125,000	1,559,700	1,822,500
STP-UL Funds (Secured)		86,500	0	0	0	0	0	0	0	86,500
Street Fund - Fuel Tax		2,304,601	0	0	0	0	0	0	0	2,304,601
Street Fund - Utility Charges		2,687,270	0	0	0	0	0	0	0	2,687,270
Street Fund - Utility Occupation Tax		6,129,241	0	0	0	0	0	0	0	6,129,241
Streets M&O Fund		537,000	0	0	0	0	0	0	0	537,000
Transportation Benefit District		0	0	746,843	690,000	630,000	637,000	643,000	650,000	3,996,843
Unfunded		0	0	0	2,040,000	1,260,000	1,923,000	4,087,000	2,290,000	11,600,000
Water Dist Sys Renewal & Replc		0	0	75,000	0	0	0	0	0	75,000
WSDOT SR 240 Project Funds		0	0	0	1,250,000	1,250,000	0	0	0	2,500,000
Transportation Total:		25,539,574	4,850,977	24,946,843	21,473,500	9,615,160	6,177,400	10,330,000	10,478,800	113,412,254

ADA Compliance / Sidewalk Repair Program

Type of Project Transportation		Partnership Project? <input type="text" value="NO"/>	Project # TR130004	
Key # 2	Goal # 2	Strategic Leadership Plan Project? No		
PROJECT NAME: ADA Compliance / Sidewalk Repair Program				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: City-wide				
PROJECT TIMELINE: Ongoing				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="YES"/>				

PROJECT DESCRIPTION

Since 2015 the City has been developing an ADA Transition plan to identify systematic replacement of non-ADA compliant intersection pedestrian ramps. Staff has been using preliminary drafts of that Plan to guide program work. The formal Plan will be completed in 2018. This program repairs and/or replaces handicap ramps, install Accessible Pedestrian Signal systems at signalized intersections, and eliminate barriers to pedestrian mobility. The program is key to the City's strategy to comply with the Americans with Disabilities Act by addressing pre-existing facilities that do not comply with current design standards. The City Council has prioritized use of Community Development Block Grant funds as the foundation of this vital program. The other funding sources are subject to annual competitive grant programs.

PROJECT ASSUMPTIONS

Either through original construction or wear and tear there are many locations in the City that present barriers to pedestrian use, especially for residents with limited physical capabilities. This project assumes that the City will complete and adopt an ADA Transition Plan that sets priorities for correcting these conditions. It further assumes that funding remains available to dedicate to this use.

BENEFITS

The program will result in improved pedestrian safety and mobility as current obstacles to pedestrian travel are removed. The program will secure compliance with ADA requirements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	1,242,041	647,041	75,000	120,000	100,000	100,000	100,000	100,000	
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,242,041	\$ 647,041	\$ 75,000	\$ 120,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	190,826	180,826	10,000						
RE EXCISE TAX 2ND 1/4%	50,000			10,000	10,000	10,000	10,000	10,000	
CDBG FUNDS	860,515	440,515	65,000	95,000	65,000	65,000	65,000	65,000	
BUSINESS LICENSE RESERVE	140,700	25,700	-	15,000	25,000	25,000	25,000	25,000	
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,242,041	\$ 647,041	\$ 75,000	\$ 120,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
ADA COMPLIANCE-SIDEWALK REPAIR	120,000	301-402-0046-595610-6391
TOTAL	\$ 120,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Center Parkway - North - Gage to Tapteal Drive

Type of Project		Partnership Project?	Project #	
Transportation		YES	TR130002	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME:	Center Parkway - North - Gage to Tapteal Drive			
PROJECT ADMINISTRATION:	Public Works Administration and Engineering			
PROJECT LOCATION:	Center Parkway from Gage Blvd to Tapteal Drive			
PROJECT TIMELINE:	2008 - 2019			
RESPONSE TO *GMA LEVEL OF SERVICE?	YES			

PROJECT DESCRIPTION

This project would establish improved travel circulation in a very desirable retail services area of Richland and the entire Tri-Cities. The project is considered vital to the highest and best use development of properties along Tapteal Drive. The project would construct a new 3 lane roadway with bike lanes, curb, gutter and sidewalks on both sides of the street from Tapteal Drive to Gage Blvd. Also construction of a signalized/gated at-grade railroad crossing of the Port of Benton railroad track.

PROJECT ASSUMPTIONS

Project completion requires that the City prevail in litigation against the Tri-City Railroad and completion of property acquisitions from several private and public property owners. In addition, project completion depends on access to additional grant funding. Some TIB funding is available through administrative action, with larger requests requiring Board action. The 2018 CIP reflects a transfer of previously allocated BFCOG funds to the Columbia Park Trail project to allow that project to proceed to completion. Additional BFCOG funding depends on a future distribution of funds, likely in 2019.

BENEFITS

This roadway will provide improved street connectivity consistent with the Regional Transportation Plan. It will contribute to the City's goals for retail economic development in the Tapteal Business Park and for improved emergency response to the area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	50,000	-	50,000						
CONSTRUCTION MANAGEMENT	50,000	-	50,000						
CONSTRUCTION	3,155,027	-	1,457,677		917,190	780,160			
10% CONTINGENCY	142,353	-	142,353						
OTHER ENG. SERV (RROAD NEGOTIATIONS)	2,657,590	2,657,590	-						
OTHER ENG. SERV (ROW ACQUISITION)	780,000	429,053	350,947						
TOTAL	\$ 6,834,970	\$ 3,086,643	\$2,050,977	\$ -	\$ 917,190	\$ 780,160	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
STREET FUND-FUEL TAX	13,500	13,500	-						
INDUSTRIAL DEVELOPMENT FUND	500,000	500,000	-						
CITY OF KENNEWICK (RR NEGOTIATION)	1,059,260	1,059,260	-						
LTGO 98 FUND	415,000	415,000	-						
RE EXCISE TAX 1ST 1/4%	5,000	5,000	-						
RE EXCISE TAX 2ND 1/4%	295,000	295,000	-						
TIB GRANT	644,000	-	644,000						
DEVELOPER CONTRIBUTION (ROW)	136,000	-	136,000						
STP FUND (SECURED-COG)	936,000	798,883	137,117						
TIB GRANT (UNSECURED)	711,210	-	233,860		360,420	116,930			
STP FUND (UNSECURED-COG)	2,120,000	-	900,000		556,770	663,230			
TOTAL	\$ 6,834,970	\$ 3,086,643	\$2,050,977	\$ -	\$ 917,190	\$ 780,160	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Center Parkway - West - Leslie Road to Clearwater Creek

Type of Project		Partnership Project?	Project #	
Transportation		NO	TR140019	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME: Center Parkway - West - Leslie Road to Clearwater Creek				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Leslie Road to the Clearwater Creek Subdivision				
PROJECT TIMELINE: 2019 - 2021				
RESPONSE TO *GMA LEVEL OF SERVICE? YES				

PROJECT DESCRIPTION

Construct a two-lane collector road with gravel shoulders and a 12-foot separated bicycle / pedestrian path on the northwest side between the intersection of Leslie Road and Lorayne J Boulevard and the Clearwater Creek subdivision. Street lighting will be limited to the intersection with Leslie Road and pedestrian scale lighting along the path.

PROJECT ASSUMPTIONS

The project will require an easement from the Bonneville Power Administration and wetland mitigation permitting. The schedule for construction will depend on funding availability. This project was originally referred to as "Rachel Road Improvements" but is being changed to reflect that the roadway will no longer align with Rachel Road. The design development is preliminary and more engineering is needed to solidify the cost estimate. The 2018 funding will improve the estimates and clarify the requirements of the BPA easement and wetland mitigation.

BENEFITS

Completion of this road will improve connectivity, trip distribution, pedestrian and bicycle connectivity, and safety of the area street network.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	100,000			50,000	50,000				
CONSTRUCTION MANAGEMENT	75,000				75,000				
CONSTRUCTION	1,454,545				1,454,545				
10% CONTINGENCY	145,455				145,455				
OTHER ENG. SRCES (ROW ACQUISITION)	25,000				25,000				
OTHER ENG. SRCES (STUDY)	150,000	150,000							
TOTAL	\$ 1,950,000	\$ 150,000	\$ -	\$ 50,000	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
TRAFFIC IMPACT FEES	600,000	150,000		50,000	400,000				
UNFUNDED	1,350,000				1,350,000				
	-								
TOTAL	\$ 1,950,000	\$ 150,000	\$ -	\$ 50,000	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CENTER PARKWAY-W/LESLIE TO CLEARWATER CREEK	50,000	301-402-0046-595300-6322
TOTAL	\$ 50,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Columbia Park Trail Improvements - East

Type of Project		Partnership Project?	Project #	
Transportation		YES	TR140016	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME: Columbia Park Trail Improvements - East				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Benton-Franklin Transit office to East City Limits				
PROJECT TIMELINE: 2018 - 2019				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Reconstruct the street to provide 3 lanes with curb, gutter, sidewalks, bike lanes, street lights, storm drainage facilities and streetscape on both sides. The project will also make improvements to the Wye Park parking lot and street frontage. A partnership with the Port of Kennebec will allow the overhead utility lines to be placed underground as part of the project.

PROJECT ASSUMPTIONS

The project will require additional grant funds, which are proposed to come from a transfer of BFCOG federal funds currently allocated to the Center Parkway project. The project will also require consummation of a funding partnership with the Port of Kennebec. The project presents an opportunity to leverage a stormwater water quality treatment retrofit project and grant funding with the street improvement project. The project design is not complete at this time and development of the design concept could introduce scope, schedule, and cost changes. It is anticipated that a public involvement process in the design development will occur in 2018. Project received Transportation Alternatives Program grant funds through the BFCOG in 2017.

BENEFITS

The project will support the redevelopment of the Island View area by introducing a high quality transportation facility with elements to support pedestrian, bicycle, and vehicular traffic, as well as streetscape features to enhance the character of the area. The project will contribute to the waterfront area planning vision that includes the Reach, Columbia Park West and Marina and the City's redevelopment goals for the Island View area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	125,000			125,000					
CONSTRUCTION MANAGEMENT	75,000				75,000				
CONSTRUCTION	2,409,736				2,409,736				
10% CONTINGENCY	242,974				242,974				
OTHER ENG. SRCES	-								
TOTAL	\$ 2,852,710	\$ -	\$ -	\$ 125,000	\$ 2,727,710	\$ -	\$ -	\$ -	\$ -
	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
BFCOG TAP FUND AWARD	403,623			50,000	353,623				
BFCOG STP FUND TRANSFER (Unsecured)	920,000			55,000	865,000				
RE EXCISE TAX 1ST 1/4%	125,000				125,000				
STORMWATER UTILITY FUNDS	151,022			5,000	146,022				
ECOLOGY STORMWATER GRANT	453,065			15,000	438,065				
PORT OF KENNEBECK	800,000				800,000				
TOTAL	\$ 2,852,710	\$ -	\$ -	\$ 125,000	\$ 2,727,710	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
COLUMBIA PARK TRAIL IMP-EAST	125,000	301-402-0046-595300-6331
TOTAL	\$ 125,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Duportail Bridge

Type of Project		Partnership Project?		Project #	
Transportation		YES		TR130001	
Key #	Goal #	Strategic Leadership Plan Project?		Yes	
2	1				
PROJECT NAME: Duportail Bridge					
PROJECT ADMINISTRATION: Public Works Administration and Engineering					
PROJECT LOCATION: Duportail Street over the Yakima River from SR 240 to Queensgate					
PROJECT TIMELINE: 03/2008 - 2020					
RESPONSE TO *GMA LEVEL OF SERVICE? YES					

PROJECT DESCRIPTION

Construction of a bridge over the Yakima River connecting SR240 at Duportail Street with Queensgate Drive. The bridge will provide four travel lanes along with bicycle lanes and sidewalks on each side. The intersection of Duportail Street and SR240 will be improved with additional lanes and an improved at-grade railroad crossing. Project benefits include better connectivity between core Richland and south Richland for vehicles, bicyclists and pedestrians, improved traffic safety, and improved emergency response. The project will also facilitate replacing a vulnerable water pipeline currently located in the riverbed and subject to flood damage. The project will make improvements to the Yakima River riparian zone by replanting disturbed areas and improving trail conditions.

PROJECT ASSUMPTIONS

The construction contract for Phase 1 of the project was awarded in December, 2017. Phase 1 will complete improvements from Riverstone Drive to City View Drive. Phase 2, between Riverstone Drive and Cottonwood Drive, is planned for contract award in 2019. Phase 2 will require acquisition of easement rights from the Tri-City Railroad and the River Trails Club properties, both of which are expected before the end of 2017. Partial funding for Phase 2 is anticipated from a Washington State Connecting Washington project on SR240. This Connecting Washington Funding is expected to be available beginning in the middle of 2019. If this funding is compromised additional funding will be required, most likely from the City's Transportation Benefit District. The Connecting Washington funding pending is approximately \$2 million. The short term debt (\$1,300,000) will need to be refinanced from the municipal bonds issued for this project. Bond proceeds will be required at the beginning of 2019.

BENEFITS

This project is critical to many elements of the City's long term vision. The improved connectivity of the street network provided by this project will enhance economic development, emergency response and preparedness, water supply reliability, travel safety, and quality of life as it relates to bicycle and pedestrian connectivity and protection and access to the Yakima River riparian area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN & ENVIRONMENTAL REVIEW	4,570,944	2,691,987	1,878,957						
RIGHT OF WAY ACQUISITION	1,040,617	1,040,617							
CONSTRUCTION	26,500,000			14,000,000	8,600,000	3,900,000			
10% CONTINGENCY	2,650,000			1,400,000	860,000	390,000			
CONSTRUCTION MANAGEMENT	2,650,000			1,400,000	840,000	410,000			
GRANT APPLICATION PREPARATION	50,000	50,000							
TOTAL	\$ 37,461,561	\$ 3,782,604	\$ 1,878,957	\$ 16,800,000	\$ 10,300,000	\$ 4,700,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
STP - URBAN GRANT	524,990	524,990							
RE EXCISE TAX 2ND 1/4%	97,000	97,000							
STREET FUND - FUEL TAX	208,189	208,189							
PUBLIC WORKS TRUST FUND LOAN	750,000	750,000							
GENERAL FUND (IN LIEU OF PWTF DEBT SVC)	257,892	257,892							
FEDERAL APPROPRIATION (2013 BUDGET)	325,383	325,383							
LTGO 98 FUND	300,000	300,000							
2013 BFCOG STP FUNDING DIST.	1,048,107	521,953	526,154						
WASHINGTON STATE GRANT	20,000,000			12,010,551	4,905,665	3,083,784			
WSDOT SR 240 PROJECT FUNDS	2,500,000				1,250,000	1,250,000			
2017 BFCOG STP FUNDING DISTRIBUTION	789,449			789,449					
TRANS IMP. BOARD GRANT (UNSECURED)	9,000,000		1,060,000	4,000,000	3,940,000				
SW CLOSURE LOAN & GEN OB. BONDS (TBD)	1,660,551	797,197	292,803		204,335	366,216			
TOTAL	\$ 37,461,561	\$ 3,782,604	\$ 1,878,957	\$ 16,800,000	\$ 10,300,000	\$ 4,700,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
BRIDGES	16,800,000	301-402-0046-595300-6302
TOTAL	\$ 16,800,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Gage Boulevard Improvements

Type of Project		Partnership Project?	<input type="text" value="NO"/>	Waterfront Project?	<input type="text" value="NO"/>	Project #
<input type="text" value="Transportation"/>						<input type="text" value="1R150023"/>
Key #	Goal #	<i>Strategic Leadership Plan Project?</i>		<i>No</i>		
2	1					
PROJECT NAME:	<input type="text" value="Gage Boulevard Improvements"/>					
PROJECT ADMINISTRATION:	<input type="text" value="Public Works Administration and Engineering"/>					
PROJECT LOCATION:	<input type="text" value="Gage Blvd. from Penny Royal to Morency Drive"/>					
PROJECT TIMELINE:	<input type="text" value="2021 - 2022"/>					
RESPONSE TO *GMA LEVEL OF SERVICE?	<input type="text" value="NO"/>					

PROJECT DESCRIPTION

Add bike lanes, shoulders, sidewalks, street lights, and storm drainage on Gage Boulevard.

PROJECT ASSUMPTIONS

The project is dependent on acquisition of grant funding and prioritization by City Council.

BENEFITS

Improve travel safety, stormwater control, and bicycle and pedestrian connectivity.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	75,000						75,000		
CONSTRUCTION MANAGEMENT	25,000							25,000	
CONSTRUCTION	659,091							659,091	
10% CONTINGENCY	65,909							65,909	
OTHER ENG. SRCES	-								
TOTAL	\$ 825,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 750,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GRANT FUNDS (UNSECURED)	713,625						64,875	648,750	
RE EXCISE TAX 1ST 1/4%	111,375						10,125	101,250	
-	-								
-	-								
TOTAL	\$ 825,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 750,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
-	-								
-	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Marcus Whitman Elementary Sidewalks

Type of Project Transportation		Partnership Project? <input type="text" value="NO"/>	Project # TR160003	
Key # 2	Goal # 1	Strategic Leadership Plan Project? <i>No</i>		
PROJECT NAME: <input type="text" value="Marcus Whitman Elementary Sidewalks"/>				
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>				
PROJECT LOCATION: <input type="text" value="Snow Avenue from Duportail Street to Hoffman Street"/>				
PROJECT TIMELINE: <input type="text" value="2021"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

Construct concrete sidewalks, curb and gutter, storm drainage, street lights and overlay roadway on Snow Avenue between Duportail Street and Hoffman Street. Construct concrete sidewalks, curb and gutter, storm drainage, street lights and roadway overlay to tie into the south side of Gray Streets between Snow Avenue and Winslow Avenue on the designated school walking route to Marcus Whitman Elementary.

PROJECT ASSUMPTIONS

The project assumes award of grant funds from the Washington State Department of Transportation.

BENEFITS

Improved pedestrian safety and street condition along a designated walk to school route.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	30,000						30,000		
CONSTRUCTION MANAGEMENT	15,000						15,000		
CONSTRUCTION	405,636						405,636		
10% CONTINGENCY	40,564						40,564		
OTHER ENG. SRCES (ROW ACQUISITION)	-								
TOTAL	\$ 491,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 491,200	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GRANT (UNSECURED) SAFE ROUTES TO SCHOOL	491,200						491,200		
	-								
	-								
TOTAL	\$ 491,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 491,200	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Pavement Preservation Program

Type of Project		Partnership Project?	Project #	
Transportation		NO	TR130003	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	2			
PROJECT NAME:	Pavement Preservation Program			
PROJECT ADMINISTRATION:	Public Works Administration and Engineering			
PROJECT LOCATION:	City-wide			
PROJECT TIMELINE:	Ongoing			
RESPONSE TO *GMA LEVEL OF SERVICE?	NO			

PROJECT DESCRIPTION

Resurfacing, associated drainage and pedestrian facility repairs to arterial and local streets. Projects are selected based on analysis of a City-wide pavement condition asset management model. In 2018 this program will be supplemented by a WSDOT grant to resurface George Washington Way. That project details will be presented in a separate Capital Improvement Plan sheet.

PROJECT ASSUMPTIONS

This project is partially funded by an allocation from the General Fund, which is subject to competing demands. City Council created the Richland Transportation Benefit District (TBD) in 2017 to increase funding to this program. Even with this new funding the current level of funding has been shown to be inadequate to sustain the street infrastructure in an acceptable condition. The program assumes retention of the current General Fund amount, the infusion of new revenue from the TBD, and possibly a future increase in funding from a yet to be determined source. Allocation of a portion of TBD funding to Duportail Bridge debt service would begin in 2019. The amount of this debt service may change as the Duportail Bridge funding requirements are clarified. The timeline for full program funding is uncertain. This program is presently and planned to be implemented partially by City forces. The increased program funded by the TBD will involve additional City staffing in the Streets Maintenance Division, subject to the City Manager's approval. The George Washington Way project is dependent on a Washington State grant and this program's funding for required grant matching funds.

BENEFITS

This program preserves a vital element of the City's infrastructure, valued at more than \$200 million.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	34,503,393	16,764,950	1,230,000	1,726,843	2,091,600	2,820,000	3,290,000	3,290,000	3,290,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 34,503,393	\$16,764,950	\$1,230,000	\$ 1,726,843	\$2,091,600	\$ 2,820,000	\$ 3,290,000	\$ 3,290,000	\$ 3,290,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
STREET FUND-FUEL TAX	1,582,912	1,582,912	-	-	-	-	-	-	-
STREET FUND-UTILITY CHARGES	2,687,270	2,687,270	-	-	-	-	-	-	-
STREET FUND- UTILITY OCCUPATION TAX	6,129,241	6,129,241	-	-	-	-	-	-	-
GENERAL FUND	8,445,463	1,935,463	930,000	930,000	930,000	930,000	930,000	930,000	930,000
WA DOT SAFETY GRANT	200,000	200,000	-	-	-	-	-	-	-
RE EXCISE TAX 1ST 1/4%	435,000	435,000	-	-	-	-	-	-	-
RE EXCISE TAX 2ND 1/4%	5,358,064	3,258,064	300,000	300,000	300,000	300,000	300,000	300,000	300,000
STREETS M&O FUND	537,000	537,000	-	-	-	-	-	-	-
WSDOT NHS GRANT (UNSECURED)	-	-	-	-	-	-	-	-	-
TRANSPORTATION BENEFIT DISTRICT	3,228,443	-	-	496,843	171,600	630,000	637,000	643,000	650,000
UNFUNDED	5,900,000	-	-	-	690,000	960,000	1,423,000	1,417,000	1,410,000
TOTAL	\$ 34,503,393	\$16,764,950	\$1,230,000	\$ 1,726,843	\$2,091,600	\$ 2,820,000	\$ 3,290,000	\$ 3,290,000	\$ 3,290,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
PAVEMENT MGT PROGRAM	1,726,843	301-402-0046-595300-6362
TOTAL	\$ 1,726,843	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Pavement Preservation Program (GWW Resurfacing & Streetscape)

Type of Project Transportation		Partnership Project? NO	Project # TR170002	
Key # 2	Goal # 1	Strategic Leadership Plan Project? No		
PROJECT NAME: Pavement Preservation Program (GWW Resurfacing & Streetscape)				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: George Washington Way				
PROJECT TIMELINE: 2018 - 2019				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Pavement preservation is among the most pressing infrastructure maintenance responsibilities for the City. George Washington Way, as the City's most heavily travelled street, is the most demanding street in the City in terms of maintenance. The State and Federal governments have prioritized asset management principles to guide pavement preservation of our nation's roadways. A Washington State grant program was created in 2017 to incentivize local agency asset management programs for resurfacing of National Highway System routes. The grant program is not anticipated to be an ongoing program, but was created to launch and incentivize local programs. George Washington Way qualifies as a National Highway System route, whereas the vast majority of City streets do not. The City was successful in a grant application to resurface George Washington Way. George Washington Way's condition has deteriorated in recent years to the point that it was likely to require resurfacing through the City's Pavement Preservation Program in the near future. This grant will allow this to occur while extending the effect of the City's Pavement Preservation Program to other streets. This project will also utilize Real Estate Excise Tax funds to complete long identified street scape improvements to sections of George Washington Way with poor appearance and maintenance. The project will also provide widened sidewalks in some areas where current sidewalk widths do not meet current standards or desired widths for pedestrian comfort.

PROJECT ASSUMPTIONS

The project assumes the availability of Real Estate Excise Tax funds for the streetscape elements and Council support for that work. The project also assumes an adequate landscape maintenance program to retain the value of the streetscape elements.

BENEFITS

The project will improve the pavement condition of the most heavily travelled street in Richland, the surface of which is in need of improvement. The project will also improve the pedestrian comfort of pedestrians currently using narrow sidewalks along this very busy street. The project will also improve the roadside appearance for many travelers using this very busy street. The grant funds will extend the effectiveness of the City's Pavement preservation Program, allowing it to narrow the gap between existing conditions and the City's desired pavement condition standard.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	100,000			100,000					
CONSTRUCTION MANAGEMENT	130,000			30,000	100,000				
CONSTRUCTION	4,162,000			820,000	3,342,000				
10% CONTINGENCY	-								
OTHER ENG. SRCES (PLANNING STUDY)	-								
TOTAL	\$ 4,392,000	\$ -	\$ -	\$ 950,000	\$ 3,442,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 2ND 1/4%	550,000			200,000	350,000				
WSDOT NHS GRANT	3,073,600			500,000	2,573,600				
TRANSPORTATION BENEFIT DISTRICT	768,400			250,000	518,400				
	-								
	-								
TOTAL	\$ 4,392,000	\$ -	\$ -	\$ 950,000	\$ 3,442,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
GWW RESURFACING & STREETSCAPE	950,000	301-402-0046-595300-6394
TOTAL	\$ 950,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Queensgate Drive - Phase II

Type of Project		Partnership Project?	Waterfront Project?	Project #
Transportation		<input type="checkbox"/> NO	<input type="checkbox"/> NO	TR150025
Key #	Goal #	Strategic Leadership Plan Project?	No	
2	1			
PROJECT NAME:	Queensgate Drive - Phase II			
PROJECT ADMINISTRATION:	Public Works Administration and Engineering			
PROJECT LOCATION:	Queensgate Drive from Bermuda Road to Alla Vista Road			
PROJECT TIMELINE:	2020 - 2022			
RESPONSE TO *GMA LEVEL OF SERVICE?	<input type="checkbox"/> NO			

PROJECT DESCRIPTION

Construct a new 2-lane collector with curb, gutter, sidewalk, street lights and storm drainage facilities on both sides.

PROJECT ASSUMPTIONS

The project is anticipated to be constructed by development.

BENEFITS

Improved connectivity for vehicles, pedestrians, and bicycles.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	300,000					300,000			
CONSTRUCTION MANAGEMENT	100,000							100,000	
CONSTRUCTION	2,272,727							2,272,727	
10% CONTINGENCY	227,273							227,273	
OTHER ENG. SRCES	500,000						500,000		
	-								
TOTAL	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 500,000	\$ 2,600,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
UNFUNDED	3,400,000					300,000	500,000	2,600,000	
	-								
	-								
	-								
TOTAL	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 500,000	\$ 2,600,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Queensgate Drive / Columbia Park Trail Improvements

Type of Project Transportation		Partnership Project? <input type="checkbox"/> NO	Waterfront Project? <input type="checkbox"/> No	Project # 1R150022
Key # 2	Goal # 1	<i>Strategic Leadership Plan Project?</i>	<i>No</i>	
PROJECT NAME: Queensgate Drive / Columbia Park Trail Improvements				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Queensgate Drive from Keene Road to I-182 Eastbound Ramp Terminal				
PROJECT TIMELINE: 2017-2018				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> YES				

PROJECT DESCRIPTION

The project is part of a larger improvement plan that addresses needs between the I-182 interchange and Keene Road. The strong economic development of this area is driving the need for these transportation system improvements. This project will reconfigure the Queensgate Drive / Columbia Park Trail intersection by constructing a roundabout and extending Columbia Park Trail west to Jericho Court. Bicycle and pedestrian connections will be made to the Queensgate Pathway. Queensgate Drive will be widened to accommodate 4 travel lanes between Keene Road and the I-182 eastbound ramp terminals. Access control will be implemented between Keene Road and Columbia Park Trail. All streets will include curb, gutter, sidewalks, street lights, storm drainage and other utilities. A dedicated right-turn lane from westbound Keene Road to Queensgate will be included.

PROJECT ASSUMPTIONS

The project requires a permit from the U.S. Army Corps of Engineers related to a wetland impact mitigation plan. The mitigation plan was prepared in August, 2017, with permit approval expected before the end of 2017.

BENEFITS

The project will reduce congestion and improve connectivity in this busy area. Along with the adjacent Queensgate / I-182 improvements this project will enable the ongoing economic development of this area. It will also improve the travel safety and comfort for all modes of travel, including vehicles, bicyclists, and pedestrians.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	175,000		175,000						
CONSTRUCTION MANAGEMENT	159,200			159,200					
CONSTRUCTION	1,655,000			1,655,000					
10% CONTINGENCY	165,000			165,000					
OTHER ENG. SRCES (ROW ACQUISITION)	330,800			330,800					
	-								
TOTAL	\$ 2,485,000	\$ -	\$ 175,000	\$ 2,310,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
BENTON COUNTY RURAL DEVELOPMENT FUNDS	2,150,000			2,150,000					
COLUMBIA CENTER ROTARY DONATION	10,000			10,000					
WATER DISTRIB RENEWAL & REPLCMT	75,000			75,000					
SEWER COLLECTION RENEWAL & REPLC	75,000			75,000					
RE EXCISE TAX 2ND 1/4%	175,000		175,000						
	-								
	-								
TOTAL	\$ 2,485,000	\$ -	\$ 175,000	\$ 2,310,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
QUEENSGATE/COL PARK TRAIL IMPROVEMENTS	2,310,000	301-402-0046-595300-6330
TOTAL	\$ 2,310,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Queensgate Drive Extension

Type of Project		Partnership Project?	Project #	
Transportation		NO	TR140018	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME: Queensgate Drive Extension				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Queensgate Drive from Shockley Road to Keene Road				
PROJECT TIMELINE: 2020 - 2021				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Construct a 3-lane street with curb, gutter, sidewalk, street lights and storm drainage facilities on both sides. Construct a roundabout at the Queensgate Drive / Shockley Road intersection. Modify the Keene Road / Queensgate Drive traffic signal to accommodate the new south leg of Queensgate Drive..

PROJECT ASSUMPTIONS

According to the south Richland collector street program the preferred method of implementing the project would be for the property owner to complete the project as part of a development project. The City will complete the project only if it appears there is no action by the property owner to do so, if this project is determined to be the highest priority improvement within the South Richland Collector Street program, and if adequate funding has accumulated.

BENEFITS

This project will provide another collector street link for the growing area south of Keene Road. As such, it will help distribute trips more efficiently.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	150,000					150,000			
CONSTRUCTION MANAGEMENT	48,850						48,850		
CONSTRUCTION	728,318						728,318		
10% CONTINGENCY	72,832						72,832		
OTHER ENG. SRCES (ROW ACQUISITION)	100,000					100,000			
OTHER ENG. SRCES (STUDY)	51,150	51,150							
TOTAL	\$ 1,151,150	\$ 51,150	\$ -	\$ -	\$ -	\$ 250,000	\$ 850,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
TRAFFIC IMPACT FEES	1,062,000	51,150				160,850	850,000		
GRANT FUNDS (UNSECURED)	89,150					89,150			
	-								
	-								
	-								
TOTAL	\$ 1,151,150	\$ 51,150	\$ -	\$ -	\$ -	\$ 250,000	\$ 850,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

South GWW Intersection Improvements

Type of Project		Partnership Project?	Project #	
Transportation		NO	TR130011	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME: South GWW Intersection Improvements				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: George Washington Way from I-182 to Comstock				
PROJECT TIMELINE: 2013 - 2022				
RESPONSE TO *GMA LEVEL OF SERVICE? YES				

PROJECT DESCRIPTION

Upgrade and reconfigure the intersection of George Washington Way (GWW) including the intersections of GWW / Columbia Point Drive / Adams Street and GWW / Comstock Street to improved safety, capacity and mobility. Also includes modifying the WB I-182, NB SR 240 ramps to improve safety.

PROJECT ASSUMPTIONS

The project is in the planning stage, with further Council deliberations required to settle on a preferred design concept. The schedule for the Council deliberations is not set as of early 2018 and will be established based on evaluation of transportation system needs and Council priorities. The project, if advanced, will require substantial grant funding that is at present unsecured. The project will require acquisition of private property rights for street right of way. The project will also require formal approval by WSDOT after selection and further refinement of the selected design concept. The project assumes that a complimentary pedestrian access improvement project will be advanced to improve pedestrian comfort and safety crossing George Washington Way.

BENEFITS

This project will improve safety, capacity and mobility along this high volume portion of George Washington Way. Since this is the most congested and most highly travelled street in Richland, and because it connects to the downtown and waterfront development areas this project will make a major and strategic contribution to the success of the City's future.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	799,429	248,229					551,200		
CONSTRUCTION MANAGEMENT	150,000								150,000
CONSTRUCTION	5,535,273								5,535,273
10% CONTINGENCY	553,527								553,527
OTHER ENG. SRCES (ROW ACQUISITION)	500,000							500,000	
	-								
TOTAL	\$ 7,538,229	\$ 248,229	\$ -	\$ -	\$ -	\$ -	\$ 551,200	\$ 500,000	\$ 6,238,800
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2019	2021	2022	2023
HSIP FUNDS (SECURED)	32,436	32,436							
STP-UL FUNDS (SECURED)	86,500	86,500							
RE EXCISE TAX 1ST 1/4%	111,973	29,293					82,680		
RE EXCISE TAX 2ND 1/4%	1,335,820	100,000						300,000	935,820
TIB GRANT (UNSECURED)	4,149,000						330,720	75,000	3,743,280
STP FUNDS (UNSECURED - COG)	1,822,500						137,800	125,000	1,559,700
	-								
TOTAL	\$ 7,538,229	\$ 248,229	\$ -	\$ -	\$ -	\$ -	\$ 551,200	\$ 500,000	\$ 6,238,800
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

South GWW Pedestrian Access & Safety Improvement

Type of Project Transportation		Partnership Project? NO	Project # TR160004	
Key # 2	Goal # 1	Strategic Leadership Plan Project? No		
PROJECT NAME: South GWW Pedestrian Access & Safety Improvement				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: George Washington Way and Aaron Drive				
PROJECT TIMELINE: 2021 - 2022				
RESPONSE TO *GMA LEVEL OF SERVICE? YES				

PROJECT DESCRIPTION

The project will compliment the South George Washington Way Intersection Improvements by constructing a grade-separated pedestrian crossing of George Washington Way. A public outreach process indicated that the public was uncomfortable with a pedestrian underpass at this location, primarily because of safety concerns with a long below ground crossing. Conceptual designs of pedestrian overpasses have been developed, but not vetted by Council. If adopted by Council the project would construct a pedestrian overpass south of the intersection of George Washington Way and Aaron Drive connecting the residential neighborhoods on the west side of George Washington Way to the shopping center and Waterfront district. The project could be leveraged to design a distinctive entry feature into the Waterfront District.

PROJECT ASSUMPTIONS

The project requires further evaluation and vetting by the City Council. If prioritized by Council the project will require substantial grant funding that is at present unsecured. The project will also require formal approval by WSDOT as portions of the overpass will occupy WSDOT right of way. The project design will only be finalized after careful design review, especially over the entry feature treatments.

BENEFITS

This project will improve safety and connectivity for many residents who live within walking distance of the WinCo-anchored shopping center and Columbia Point amenities, but who are inhibited from accessing them by traffic on George Washington Way. This project will also contribute to improved vehicle flow on George Washington Way by reducing the impact of pedestrians on traffic signal timing.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	200,000						200,000		
CONSTRUCTION MANAGEMENT	200,000							200,000	
CONSTRUCTION	2,000,000							2,000,000	
10% CONTINGENCY	200,000							200,000	
OTHER ENG. SRCES (ROW ACQUISITION)	-								
	-								
TOTAL	\$ 2,600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$2,400,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
BENTON CO RURAL DEVELOPMENT FUNDS	1,200,000							1,200,000	
RE EXCISE TAX 1ST 1/4%	350,000						200,000	150,000	
WSDOT BIKE/PED GRANT (UNSECURED)	800,000							800,000	
TIB GRANT (UNSECURED)	250,000							250,000	
	-								
	-								
TOTAL	\$ 2,600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$2,400,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

South Richland Collector Streets

Type of Project Transportation		Partnership Project? YES	Project # 1R160005	
Key #	Goal #	<i>Strategic Leadership Plan Project?</i>		No
2	1			
PROJECT NAME: South Richland Collector Streets				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: New development locations in South Richland listed in RMC 12.03.190				
PROJECT TIMELINE: Ongoing				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Reimbursement, through latecomer agreements, for developer-constructed improvements listed in Richland Municipal Code section 12.03.190.

PROJECT ASSUMPTIONS

Reimbursement commitments in the latecomer agreements are for percentages of impact fee revenue received by the City. The amount of revenue is determined by the volume and type of private development activity in the impact fee areas, so the City does not determine revenues or reimbursement amounts. The amounts shown below are estimates based on anticipated development activity and the existing latecomer agreements.

BENEFITS

This program represents the private financing and construction of the collector street network included in the City's Comprehensive Plan. Reimbursement through latecomer agreements means the community has already received the benefit of these improvements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	-								
10% CONTINGENCY	-								
OTHER ENG. SRCES (ROW ACQUISITION)	-								
LATECOMER REIMBURSEMENTS	520,000		100,000	70,000	70,000	70,000	70,000	70,000	70,000
TOTAL	\$ 520,000	\$ -	\$ 100,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
TRAFFIC IMPACT FEES	520,000		100,000	70,000	70,000	70,000	70,000	70,000	70,000
	-								
	-								
	-								
	-								
TOTAL	\$ 520,000	\$ -	\$ 100,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY			ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING			
TRAFFIC IMPACT AGREEMENT	70,000	301-402-0046-595300-6318			
TOTAL	\$ 70,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE			

Steptoe Street / Tapteal Drive Intersection Improvements

Type of Project: Partnership Project? Project #

Key # Goal # Strategic Leadership Plan Project?

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

Realign Tapteal Drive and Steptoe Street intersection by constructing a new intersection. Also includes sidewalks, a fully signalized and gated at-grade railroad crossing and storm drainage.

PROJECT ASSUMPTIONS

This project will advance as the demand for commercial development in the Tapteal Business Park dictates, which at present is high. The 2016 pre-design study concluded with a design concept supported by the Cities of Richland and Kennewick, the Port of Benton, and all three operating railroads. The selected improvement will require a crossing modification order from the Washington Utilities and Transportation Commission and acquisition of easement rights from the Port of Benton and Tri-City Railroad. Project funding is at yet unsecured, but could come from a combination of grant funds and private development funds. A water distribution system enhancement, the Island View Supply Redundancy Project, will be coordinated to occur when this project is constructed.

BENEFITS

The project would enhance transportation efficiency to the Tapteal Business Park, facilitating highest and best use development of this property. Such development would improve the City's financial standing by increasing revenues generated by business.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PRE-DESIGN STUDY	80,000	80,000							
DESIGN	150,000			150,000					
CONSTRUCTION MANAGEMENT	75,000			75,000					
CONSTRUCTION	1,400,000			1,400,000					
10% CONTINGENCY	140,000			140,000					
OTHER ENG. SRCES (ROW ACQUISITION)	50,000			50,000					
	-								
TOTAL	\$ 1,895,000	\$ 80,000	\$ -	\$ 1,815,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WSDOT GRANT (UNSECURED)	1,600,000			1,600,000					
RE EXCISE TAX 1ST 1/4%	40,000	40,000							
PRIVATE PARTNER	255,000	40,000		215,000					
	-								
	-								
TOTAL	\$ 1,895,000	\$ 80,000	\$ -	\$ 1,815,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
STEPTOE ST/TAPTEAL DR INTERSECTION	1,815,000	301-402-0046-595300-6395
TOTAL	\$ 1,815,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Stevens Drive Pathway

Type of Project Transportation		Partnership Project? <input type="checkbox"/> NO	Waterfront Project? <input type="checkbox"/> NO	Project # TR150026
Key # 2	Goal # 1	<i>Strategic Leadership Plan Project?</i>	No	
PROJECT NAME: Stevens Drive Pathway				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Along Stevens Drive from Spengler Street to Horn Rapids Road				
PROJECT TIMELINE: 2022 - 2023				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO				

PROJECT DESCRIPTION

Construct a separated multi-use pathway on east side of Stevens Drive from Spengler Street to Horn Rapids Road.

PROJECT ASSUMPTIONS

The project will most likely depend on grant funds and prioritization by the City Council.

BENEFITS

Improved bicycle and pedestrian connectivity to major employment center in north Richland.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	70,000							70,000	
CONSTRUCTION MANAGEMENT	40,000								40,000
CONSTRUCTION	763,636								763,636
10% CONTINGENCY	76,364								76,364
OTHER ENG. SRCES	-								
TOTAL	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 880,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
UNFUNDED	950,000							70,000	880,000
TOTAL	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 880,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Swift Boulevard Improvements

Type of Project Transportation		Partnership Project? <input type="checkbox"/> NO	Project # TR160002	
Key # 2	Goal # 1	Strategic Leadership Plan Project? Yes		
PROJECT NAME: Swift Boulevard Improvements				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Swift Blvd. from Stevens Drive to George Washington Way				
PROJECT TIMELINE: 2018				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO				

PROJECT DESCRIPTION

This project is the street improvement element contributing to the redevelopment and revitalization of the downtown area. The project compliments construction of the replacement City Hall west of Jadwin and the marketing and private development of the current City Hall site between Jadwin and George Washington Way. The project will construct street improvements to reflect City-wide Transportation Plan elements and 2012 Swift Corridor master planning concept. The street will be resurfaced, sidewalks widened, on-street parking and bike lanes provided, street lights updated, and landscaping installed. In addition, sidewalks will be widened on the west side of Jadwin Avenue between Swift Boulevard and Mansfield Street, along the frontage of the federal parking lot.

PROJECT ASSUMPTIONS

The project requires acquisition of small right of way parcels at intersections to allow sidewalk widening and access ramp installation. The project funding strategy also depends on successful application to Benton County for use of Benton County Rural Capital Funds. The project design will be based on the 2012 Swift Corridor planning process, but may be updated to support changes in development plans along the corridor. One such change is the placement of the Kadlec parking structure.

BENEFITS

The project will update Swift Boulevard to support redevelopment of the existing, and soon to be vacated, City Hall site. The improved pedestrian, bicycle, and parking features will contribute to more diverse and productive development and use of the downtown area. These features and the addition of on-street parking where appropriate will contribute to the vision of downtown as an active, vibrant area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	40,000			40,000					
CONSTRUCTION MANAGEMENT	40,000			40,000					
CONSTRUCTION	818,182			818,182					
10% CONTINGENCY	81,818			81,818					
OTHER ENG. SRCES (ROW ACQUISITION)	-								
TOTAL	\$ 980,000	\$ -	\$ -	\$ 980,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
BENTON COUNTY RURAL DEVELOPMENT FUNDS	700,000			700,000					
RE EXCISE TAX 2ND 1/4	280,000			280,000					
	-								
	-								
TOTAL	\$ 980,000	\$ -	\$ -	\$ 980,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
SWIFT BLVD IMPROVEMENTS	980,000	301-402-0046-595300-6326
TOTAL	\$ 980,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Vantage Highway Pathway - Phase II

Type of Project: Partnership Project? Project #

Key #	Goal #	Strategic Leadership Plan Project?	No
2	1		

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

Construct a 12' asphalt multi-use pathway on the north side of SR-240, connecting the Vantage Highway Pathway Phase 1 with Stevens Drive Pathway by using the Snyder Street right of way. This will involve an undercrossing of the Port of Benton railroad tracks.

PROJECT ASSUMPTIONS

The project will require acquisition of grant funds, most likely from the Washington State Department of Transportation or the Benton Franklin Council of Governments. The project will cross the Port of Benton railroad tracks and, thus, require agreement from the Port and Tri-City Railroad for the crossing, which is anticipated to be grade-separated.

BENEFITS

This project will provide improved connectivity and safety for bicycle users and pedestrians.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	50,000				50,000				
CONSTRUCTION MANAGEMENT	20,000					20,000			
CONSTRUCTION	522,727					522,727			
10% CONTINGENCY	52,273					52,273			
OTHER ENG. SRCES (ROW ACQUISITION)	25,000				25,000				
	-								
TOTAL	\$ 670,000	\$ -	\$ -	\$ -	\$ 75,000	\$ 595,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GRANT FUNDS (UNSECURED)	570,625				64,875	505,750			
RE EXCISE TAX 1ST 1/4%	99,375				10,125	89,250			
	-								
	-								
	-								
	-								
TOTAL	\$ 670,000	\$ -	\$ -	\$ -	\$ 75,000	\$ 595,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Vantage Highway Pathway - Phase III

Type of Project Transportation		Partnership Project? <input type="checkbox"/> NO	Waterfront Project? <input type="checkbox"/> NO	Project # TR150027
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="checkbox"/> No		
PROJECT NAME: Vantage Highway Pathway - Phase III				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Along SR 240 - from Twin Bridges Road to Kingsgate Way				
PROJECT TIMELINE: 2021 - 2022				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO				

PROJECT DESCRIPTION

Construct a 12' asphalt multi-use pathway on the north side of SR-240.

PROJECT ASSUMPTIONS

The project will require acquisition of grant funds, most likely from the Washington State Transportation Improvement Board, the Washington State Department of Transportation, or the Benton Franklin Council of Governments.

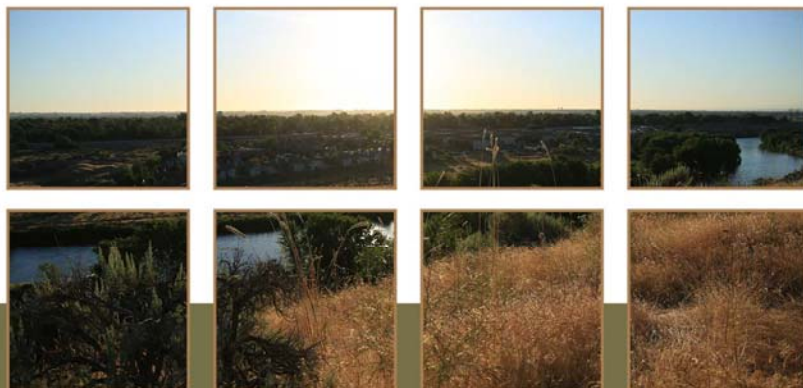
BENEFITS

This project will provide improved connectivity and safety for bicycle users and pedestrians.

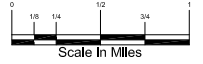
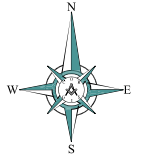
PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	50,000						50,000		
CONSTRUCTION MANAGEMENT	20,000							20,000	
CONSTRUCTION	481,818							481,818	
10% CONTINGENCY	48,182							48,182	
OTHER ENG. SRCES	-								
TOTAL	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 550,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
TAP (UL) GRANT (UNSECURED)	530,000						30,000	500,000	
RE EXCISE TAX 1ST 1/4%	70,000						20,000	50,000	
TOTAL	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 550,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Wastewater



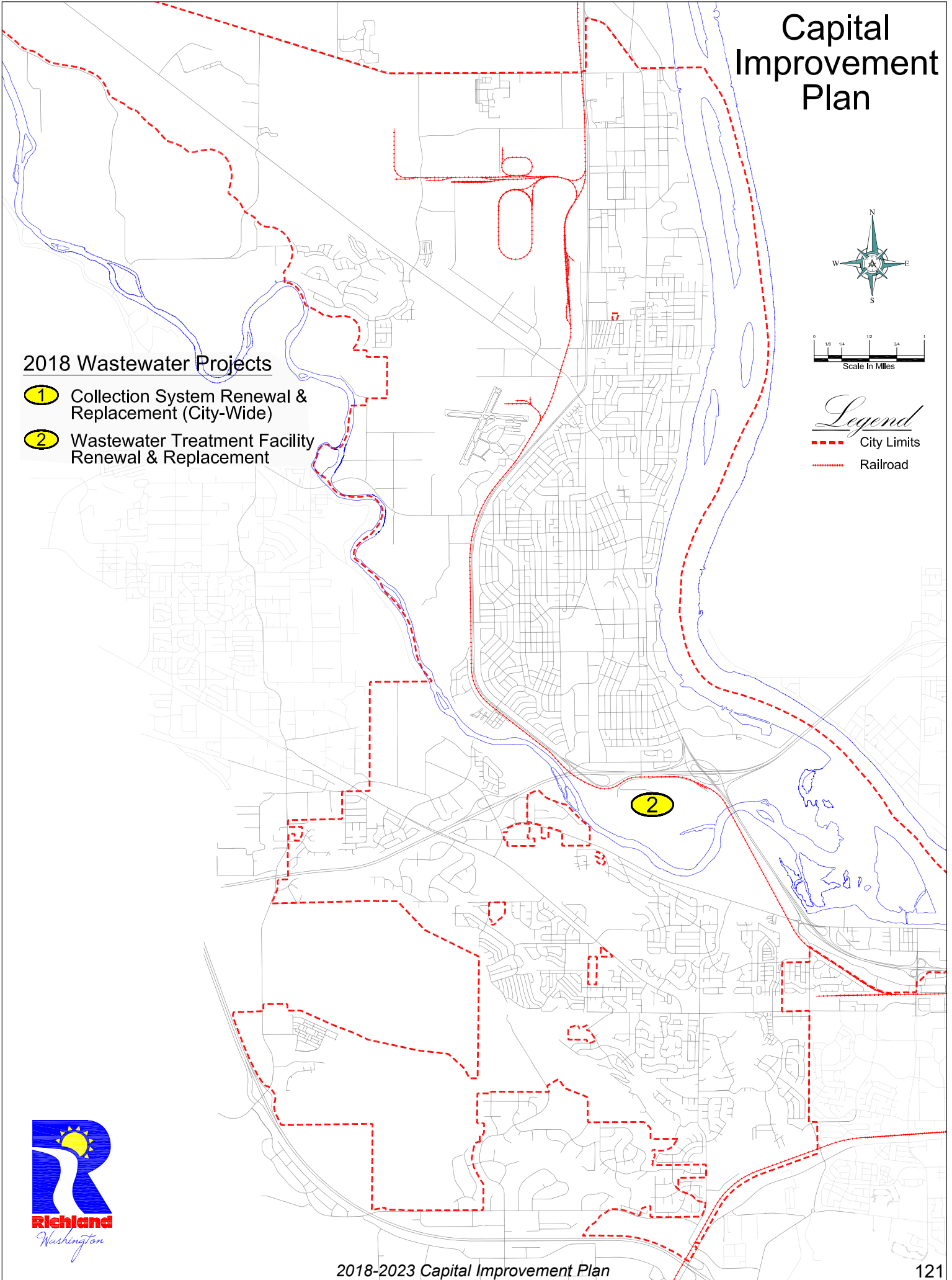
Capital Improvement Plan



Legend
- - - - - City Limits
- - - - - Railroad

2018 Wastewater Projects

- 1 Collection System Renewal & Replacement (City-Wide)
- 2 Wastewater Treatment Facility Renewal & Replacement





Capital Improvement Plan

2018 thru 2023

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Wastewater Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Wastewater										
PROJECT COSTS										
Collection System Renewal & Replacement	WW130001	8,226,646	2,314,000	1,652,000	1,705,000	1,761,000	1,818,000	1,878,000	1,939,000	21,293,646
Influent Upgrades	WW130003	100,000	2,183,000	0	0	0	0	0	0	2,283,000
Wastewater Treatment Facility Renewal & Replacement	WW130006	3,268,369	405,000	551,000	568,000	587,000	606,000	626,000	646,000	7,257,369
	Wastewater Total:	11,595,015	4,902,000	2,203,000	2,273,000	2,348,000	2,424,000	2,504,000	2,585,000	30,834,015
FUNDING SOURCES										
Bonds - Prior Issue		100,000	2,183,000	0	0	0	0	0	0	2,283,000
Facility Fees		0	1,200,000	600,000	600,000	600,000	600,000	600,000	600,000	4,800,000
Rate Revenue		11,495,015	1,519,000	1,603,000	1,673,000	1,748,000	1,824,000	1,904,000	1,985,000	23,751,015
	Wastewater Total:	11,595,015	4,902,000	2,203,000	2,273,000	2,348,000	2,424,000	2,504,000	2,585,000	30,834,015

Collection System Renewal & Replacement

Type of Project Wastewater		Partnership Project? <input type="text" value="NO"/>	Project # WW130001
Key # 2	Goal # 2	Strategic Leadership Plan Project? No	
PROJECT NAME: <input type="text" value="Collection System Renewal & Replacement"/>			
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>			
PROJECT LOCATION: <input type="text" value="Throughout Richland"/>			
PROJECT TIMELINE: <input type="text" value="Ongoing"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

Replacement and repair of deteriorated sewer lines, manholes and repair and replacement of obsolete pumping stations. The 2018 work includes the installation of a backup generator at Bellerive lift station and the first year of a two-year intensive pipeline inspection and condition rating program, and an acceleration of pipeline rehabilitation as recommended by the 2016 General Sewer Plan. This program also includes spot repairs or pipe rehabilitation in streets that are resurfaced.

PROJECT ASSUMPTIONS

The program increase for 2018 is based on the recommendations of the 2016 General Sewer Plan update, which indicate the City's sewer collection system has a large inventory of pipe approaching 75 years old. The program need will be refined, validated and directed by a two-year intensive pipeline inspection and condition rating program.

BENEFITS

This project will extend the useful life of the City's sewer pipelines. The program seeks to implement least-cost rehabilitation methods, where available, to prevent deterioration of pipelines to the point that complete replacement is required.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	198,356	198,356							
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	21,032,346	7,684,655	2,594,691	1,652,000	1,705,000	1,761,000	1,818,000	1,878,000	1,939,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 21,230,702	\$ 7,883,011	\$ 2,594,691	\$ 1,652,000	\$ 1,705,000	\$ 1,761,000	\$ 1,818,000	\$ 1,878,000	\$ 1,939,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WASTEWATER RATE REVENUE	18,430,702	7,883,011	1,594,691	1,352,000	1,405,000	1,461,000	1,518,000	1,578,000	1,639,000
WASTEWATER FACILITY FEE REVENUE	2,800,000		1,000,000	300,000	300,000	300,000	300,000	300,000	300,000
	-								
	-								
TOTAL	\$ 21,230,702	\$ 7,883,011	\$ 2,594,691	\$ 1,652,000	\$ 1,705,000	\$ 1,761,000	\$ 1,818,000	\$ 1,878,000	\$ 1,939,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	1,652,000	403-421-0006-594558-6403
TOTAL	\$ 1,652,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Influent Upgrades

Type of Project Wastewater		Partnership Project? <input type="text" value="NO"/>	Project # WW130003	
Key # 2	Goal # 2	Strategic Leadership Plan Project? <input type="text" value="No"/>		
PROJECT NAME: <input type="text" value="Influent Upgrades"/>				
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>				
PROJECT LOCATION: <input type="text" value="Wastewater Treatment Facility Influent Pump Station"/>				
PROJECT TIMELINE: <input type="text" value="2016 - 2017"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="YES"/>				

PROJECT DESCRIPTION

Rehabilitation of the influent building and addition two new mechanical fine screen. Removal and replacement of existing manual bar screen with a mechanical bar screen and repair and/or replacement of pumping and electrical equipment as needed.

PROJECT ASSUMPTIONS

Project funding as revenue bonds, to be issued in 2017, is based on the outcome of the 2016 General Sewer Plan update and rate study, which was reviewed and supported at the May, 2016 Utility Advisory Committee meeting.

BENEFITS

Replacement screens will operate more reliably and with improved performance and energy efficiency. Replacement of the existing mechanical screen and the addition of a second mechanical screen to replace the existing manual screen will improve employee safety and provide redundant mechanical screening capability and improved plant performance in downstream processes. The existing plant equipment includes one mechanically cleaned screen and a backup screen requiring manual cleaning. Manual screen cleaning is quite strenuous and increases the chances of employee injury. The existing mechanical screen equipment is approaching its end of life and has experienced multiple failures in recent years and is increasingly difficult to maintain.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	100,000	235	99,765						
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,770,909		1,770,909						
10% CONTINGENCY	177,091		177,091						
OTHER ENG. SERVICES	85,000		85,000						
O & M MANUALS	150,000		150,000						
TOTAL	\$ 2,283,000	\$ 235	\$ 2,282,765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2018	2019	2020	2021	2023
REVENUE BONDS	2,283,000	235	2,282,765						
	-								
	-								
TOTAL	\$ 2,283,000	\$ 235	\$ 2,282,765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	PENDING	PENDING
TOTAL	\$ -	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Wastewater Treatment Facility Renewal & Replacement

Type of Project

Wastewater

Partnership Project?

NO

Project #

WW130006

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Wastewater Treatment Facility Renewal & Replacement

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Wastewater Treatment Facility

PROJECT TIMELINE: Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

Structural and mechanical rehabilitation, repair and replacement of plant facilities and equipment to eliminate downtime and ensure continued effective wastewater treatment. 2018 work includes Replacement of Influent Pumps #1 & #2, replacement of the digester heat exchanger pump and re-coating of WWTF building exteriors and digester tanks.

PROJECT ASSUMPTIONS

Maintenance record data and regular inspections are utilized to prioritize ongoing repairs and replacements. This program relies on adequate rate revenue to support it.

BENEFITS

Timely repairs will eliminate costly replacement of major component to this 30+ year old facility and ensure that the facility continues to effectively treat the City's wastewater without interruption.

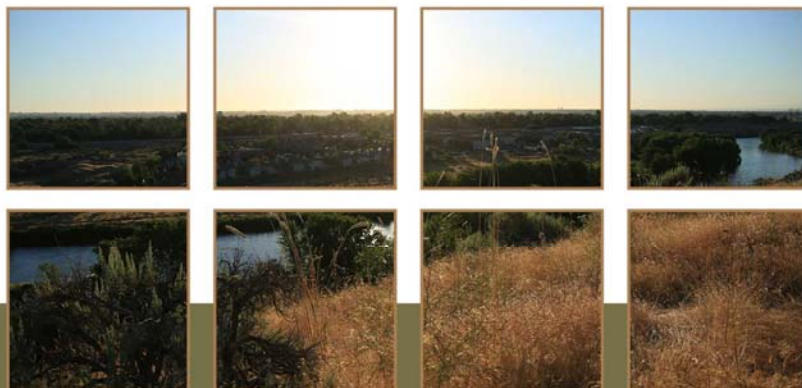
PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	7,257,369	2,970,207	703,162	551,000	568,000	587,000	606,000	626,000	646,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,257,369	\$ 2,970,207	\$ 703,162	\$ 551,000	\$ 568,000	\$ 587,000	\$ 606,000	\$ 626,000	\$ 646,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WASTEWATER RATE REVENUE	5,257,369	2,970,207	503,162	251,000	268,000	287,000	306,000	326,000	346,000
WASTEWATER FACILITY FEE REVENUE	2,000,000	-	200,000	300,000	300,000	300,000	300,000	300,000	300,000
TOTAL	\$ 7,257,369	\$ 2,970,207	\$ 703,162	\$ 551,000	\$ 568,000	\$ 587,000	\$ 606,000	\$ 626,000	\$ 646,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

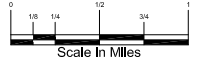
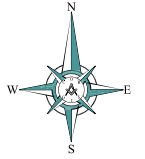
DESCRIPTION	2018	CODING
CAPITAL ITEM	551,000	403-421-0006-594522-6403
TOTAL	\$ 551,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE



Water



Capital Improvement Plan

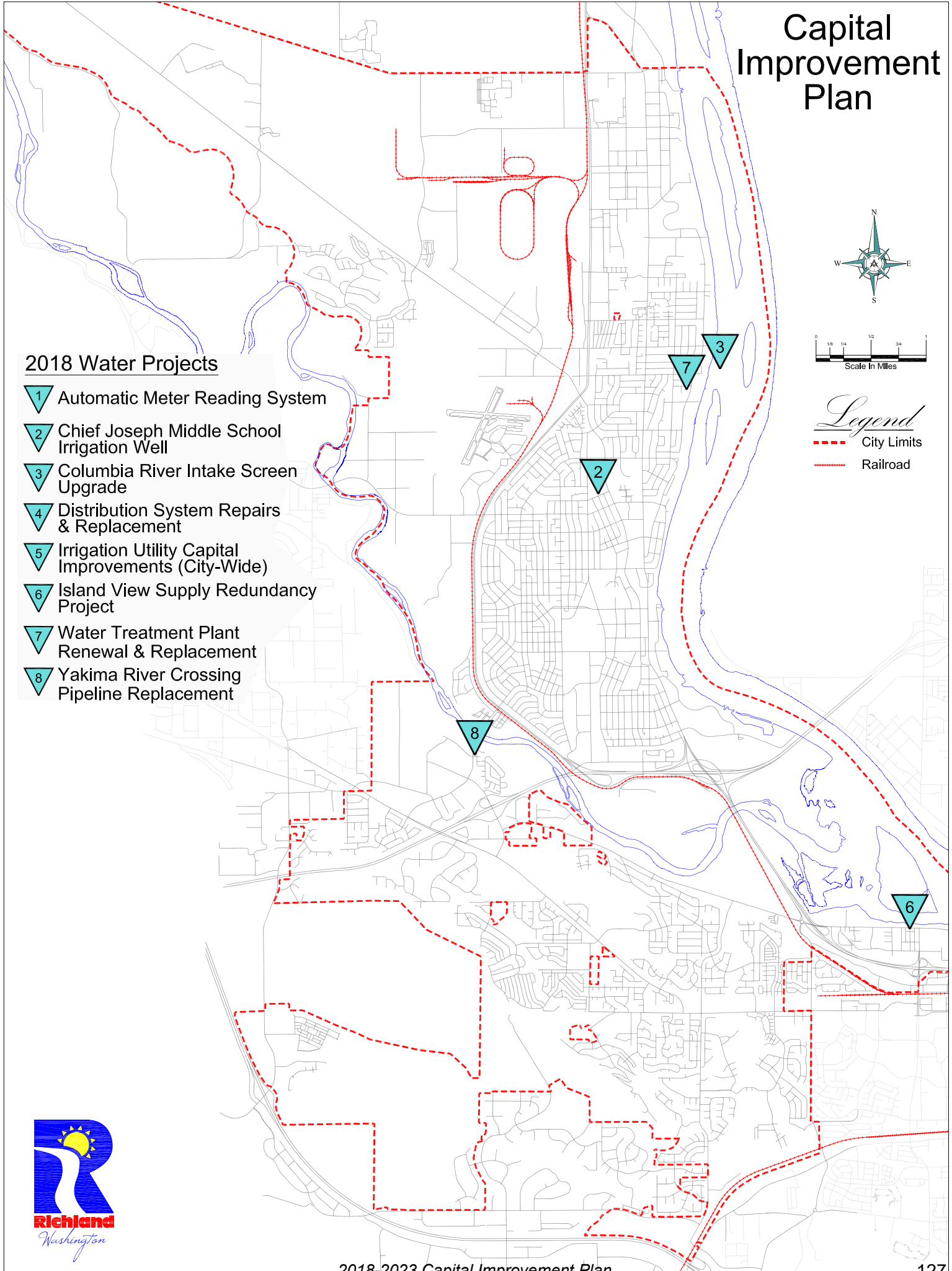


Legend

- City Limits
- Railroad

2018 Water Projects

- 1 Automatic Meter Reading System
- 2 Chief Joseph Middle School Irrigation Well
- 3 Columbia River Intake Screen Upgrade
- 4 Distribution System Repairs & Replacement
- 5 Irrigation Utility Capital Improvements (City-Wide)
- 6 Island View Supply Redundancy Project
- 7 Water Treatment Plant Renewal & Replacement
- 8 Yakima River Crossing Pipeline Replacement





Capital Improvement Plan

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2018 thru 2023

Water Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Water										
PROJECT COSTS										
Automatic Meter Reading System	WA160001	0	235,000	3,000,000	0	0	0	0	0	3,235,000
Broadmoor Street Service Pressure Improvement	WA160005	0	0	0	0	0	110,000	0	0	110,000
Chief Joseph Middle School Irrigation Well	WA150010	0	0	150,000	0	0	0	0	0	150,000
Columbia River Intake Screen Upgrade	WA160002	0	0	200,000	100,000	4,330,000	0	0	0	4,630,000
Core 545 Zone Surge Analyses	WA170001	0	0	0	0	0	100,000	896,000	0	996,000
Distribution System Repairs & Replacement	WA130002	29,210,893	200,000	350,000	350,000	350,000	350,000	597,000	615,000	32,022,893
Irrigation Utility Capital Improvements	WA130003	1,609,173	230,000	100,000	100,000	100,000	100,000	100,000	100,000	2,439,173
Island View Supply Redundancy Project	WA160006	0	0	410,000	0	0	0	0	0	410,000
Leslie Road Service Pressure Improvement	WA160004	0	0	0	0	0	105,000	0	0	105,000
Orchard Way Service Pressure Improvement	WA160003	0	0	0	0	0	35,000	0	0	35,000
Tapleal I Pump Station Upgrade	WA160010	0	0	0	0	0	500,000	0	0	500,000
Water Treatment Plant Pumping Capacity Improvement	WA170002	0	0	0	0	0	0	0	766,000	766,000
Water Treatment Plant Renewal & Replacement	WA130007	2,666,770	361,000	225,000	225,000	225,000	225,000	225,000	225,000	4,377,770
WTP Solids Handling Improvements	WA130006	0	0	0	0	0	400,000	0	0	400,000
Yakima River Crossing Pipeline Replacement	WA130008	341,250	1,000,000	1,725,000	3,585,000	602,000	0	0	0	7,253,250
Water Total:		33,828,086	2,026,000	6,160,000	4,360,000	5,607,000	1,925,000	1,818,000	1,706,000	57,430,086
FUNDING SOURCES										
Bonds - Future Issue		0	0	0	0	4,330,000	0	0	0	4,330,000
Bonds - Prior Issue		5,432,500	250,000	581,699	3,585,000	602,000	0	0	0	10,451,199
Facility Fees		35,000	117,500	1,985,000	0	0	250,000	0	0	2,387,500
Grant - FEMA		100,000	750,000	1,143,301	0	0	0	0	0	1,993,301
Grant - Supplemental/Federal		503,000	0	0	0	0	0	0	0	503,000
Public Works Trust Fund Loan		15,525,414	0	0	0	0	0	0	0	15,525,414
Rate Revenue		12,232,172	908,500	2,400,000	775,000	675,000	1,025,000	1,818,000	1,706,000	21,539,672
Richland School District		0	0	50,000	0	0	0	0	0	50,000
Surplus Property Sale		0	0	0	0	0	400,000	0	0	400,000
West Richland		0	0	0	0	0	250,000	0	0	250,000
Water Total:		33,828,086	2,026,000	6,160,000	4,360,000	5,607,000	1,925,000	1,818,000	1,706,000	57,430,086

Automated Meter Reading System

Type of Project Water		Partnership Project? <input type="text" value="NO"/>	Project # WA160001
Key # 2	Goal # 2	<i>Strategic Leadership Plan Project?</i> <input type="text" value="No"/>	
PROJECT NAME: Automated Meter Reading System			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: Water meters throughout Richland			
PROJECT TIMELINE: 2017-2019			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

This project will convert the City's water meters with technology to automate meter reading. The project will also include enhanced system leak detection equipment.

PROJECT ASSUMPTIONS

The project is planned to complement the Electric Utility's Smart Grid- Advanced Metering Infrastructure project and depends on that project moving forward.

BENEFITS

Improved meter reading accuracy. Improved water system management and leak detection. Improved customer service.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	235,000		235,000						
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	3,000,000			3,000,000					
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 3,235,000	\$ -	\$ 235,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	1,617,500		117,500	1,500,000					
WATER FACILITY FEE REVENUE	1,617,500		117,500	1,500,000					
	-								
	-								
TOTAL	\$ 3,235,000	\$ -	\$ 235,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	3,000,000	402-410-0004-594548-6403
TOTAL	\$ 3,000,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Broadmoor Street Service Pressure Improvement

Type of Project

Water

Partnership Project?

NO

Project #

WA160005

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Broadmoor Street Service Pressure Improvement

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Broadmoor Street east of Leslie Road.

PROJECT TIMELINE:

2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will install approximately 600 LF of 8" water main in Broadmoor Street to increase service pressure to existing homes on Broadmoor Street near Leslie Road. This project will correct a system deficiency identified in the 2017 Water System Plan.

PROJECT ASSUMPTIONS

The project will require adequate funding and staff time.

BENEFITS

The project will improve water pressure to residents who occasionally experience substandard pressure.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	110,000						110,000		
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	110,000						110,000		
	-								
	-								
TOTAL	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Chief Joseph Middle School Irrigation Well

Type of Project Water		Partnership Project? <input type="checkbox"/> YES	Project # WA150010	
Key # 5	Goal # 3	Strategic Leadership Plan Project? <input type="checkbox"/> No		
PROJECT NAME: Chief Joseph Middle School Irrigation Well				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Chief Joseph Middle School				
PROJECT TIMELINE: 2018				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO				

PROJECT DESCRIPTION

Construct a well to provide irrigation to the Chief Joseph Middle School property located at the corner of Stevens Drive, Wilson Street and Jadwin Avenue. This is the next project in a program to provide alternative watering sources for City parks and large turf areas owned by the Richland School District.

PROJECT ASSUMPTIONS

The project is a partnership project with the Richland School District and relies on funding from the School District. It is assumed that a productive and efficient well can be drilled on this site since there are many wells in central Richland that do so. The City's water rights enable establishing this well by reassigning existing water rights to this location. Once operational the project will reduce revenues to the Water Utility because the School District will pay less for irrigation water than the treated water they now use to water the space.

BENEFITS

The project makes best use of the City's water rights and extends the life and capacity of the City's drinking water treatment facilities. Activating underutilized portions of the City's water rights extends capacity for future growth. This is not driven by a near term scarcity of water rights, but is a long term strategy to avoid the increasingly costly process of acquiring new water rights. In terms of facilities the City's Water Treatment Plant and North Richland Slow Sand Facility provide adequate capacity for anticipated demands. These facilities are utilized to approximately 70% of rated capacity by current summer time peak demands. By removing large turf area irrigation demands from this system these facilities will retain capacity for future growth. The project will also benefit the Richland School District by reducing water costs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	5,000			5,000					
CONSTRUCTION MANAGEMENT	5,000			5,000					
CONSTRUCTION	127,273			127,273					
10% CONTINGENCY	12,727			12,727					
OTHER ENG. SERVICES	-								
TOTAL	\$ 150,000	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RICHLAND SCHOOL DISTRICT	50,000			50,000					
IRRIGATION UTILITY RATE REVENUE	25,000			25,000					
WATER FACILITY FEES	75,000			75,000					
	-								
	-								
TOTAL	\$ 150,000	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	150,000	402-410-0006-594511-6403
TOTAL	\$ 150,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Columbia River Intake Screen Upgrade

Type of Project

Water

Partnership Project?

NO

Project #

WA160002

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Columbia River Intake Screen Upgrade

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Snyder Street Water Intake Structure

PROJECT TIMELINE: Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

The project will replace the inlet structure with a new structure containing screens that comply with current environmental standards. The U.S. Army Corps of Engineers, as a condition of renewing the City's license agreement to operate water withdrawal on the Columbia River, is imposing current inlet screening standards on the City. The same conditions were imposed on several dozen other withdrawal points on the Columbia River as part of a large scale license renewal process. 2018 work will include hiring an engineering consultant and developing a preliminary design on which to begin environmental permitting.

PROJECT ASSUMPTIONS

The project is required to maintain access to the City's primary water source. Completion will depend on obtaining environmental permits.

BENEFITS

The project will preserve the City's ability to supply drinking water to its residents since more than ninety percent of current supplies are withdrawn from the Columbia River intake facility at Snyder Street. It will also reduce the risk of impact to the water supply from incidents at the Snyder Street boat launch.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	300,000			200,000	100,000				
CONSTRUCTION MANAGEMENT	150,000					150,000			
CONSTRUCTION	3,800,000					3,800,000			
10% CONTINGENCY	380,000					380,000			
OTHER ENG. SERVICES	-								
TOTAL	\$ 4,630,000	\$ -	\$ -	\$ 200,000	\$ 100,000	\$ 4,330,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	300,000			200,000	100,000				
REVENUE BOND	4,330,000					4,330,000			
TOTAL	\$ 4,630,000	\$ -	\$ -	\$ 200,000	\$ 100,000	\$ 4,330,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	200,000	402-410-0006-594502-6403
TOTAL	\$ 200,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Core 545 Zone Surge Analyses

Type of Project

Water

Partnership Project?

NO

Project #

WA170001

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Water System Water Hammer Mitigation

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Throughout the Richland core.

PROJECT TIMELINE:

2021 - 2022

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

Engineering analysis of the City's water system, performed as part of the 2017 Water System Plan, suggested that water use growth pushes the existing infrastructure closer to design standards, making the system more vulnerable to water hammer. This project will evaluate for potential water hammer effects on the existing system and install water hammer mitigation equipment at selected locations.

PROJECT ASSUMPTIONS

If population and water demand continues to grow this project will be remain on the identified schedule. A preliminary evaluation in 2021 may defer work until a later date.

BENEFITS

If water hammer risks are identified installing the mitigating equipment will reduce the risk of system damage and private property damage due to water hammer.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	100,000						100,000		
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	896,000							896,000	
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 996,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 896,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	996,000						100,000	896,000	
	-								
	-								
TOTAL	\$ 996,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 896,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Distribution System Renewal & Replacement

Type of Project Water		Partnership Project? <input type="text" value="NO"/>	Project # WA130002
Key # 2	Goal # 2	Strategic Leadership Plan Project? <i>No</i>	
PROJECT NAME: <input type="text" value="Distribution System Renewal & Replacement"/>			
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>			
PROJECT LOCATION: <input type="text" value="Throughout Richland"/>			
PROJECT TIMELINE: <input type="text" value="Ongoing"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

Repair and replacement of valves, pipelines and meters to maintain distribution system reliability and efficiency. The program will also replace galvanized service lines that are approaching the end of their service life. Many of these galvanized service lines are shared between properties and have indoor basement meters. Replacement service lines will include a dedicated service line and outdoor water meter that is needed to complete the Automatic Meter Reading project. In addition, special focus is placed on areas scheduled for upcoming street resurfacing.

PROJECT ASSUMPTIONS

Leak survey data and maintenance records are utilized to prioritize ongoing repairs and replacement.

BENEFITS

This program extends the useful life of the water distribution system.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	945,918	945,918							
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	31,076,975	28,061,077	403,898	350,000	350,000	350,000	350,000	597,000	615,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 32,022,893	\$ 29,006,995	\$ 403,898	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 597,000	\$ 615,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	11,571,229	8,555,331	403,898	350,000	350,000	350,000	350,000	597,000	615,000
FACILITIES FEES	35,000	35,000							
PWTF LOAN	15,525,414	15,525,414							
REVENUE BOND PROCEEDS	4,388,250	4,388,250							
GRANT - SUPPLEMENT/FEDERAL	503,000	503,000							
	-								
TOTAL	\$ 32,022,893	\$ 29,006,995	\$ 403,898	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 597,000	\$ 615,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	350,000	402-410-0006-594536-6403
TOTAL	\$ 350,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Irrigation Utility Capital Improvements

Type of Project

Water

Partnership Project?

NO

Project #

WA130003

Key #

2

Goal #

1

Strategic Leadership Plan Project?

No

PROJECT NAME: Irrigation Utility Capital Improvements

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Columbia Point, Horn Rapids, Willowbrook, Smart Park, Innovation Center, etc.

PROJECT TIMELINE: Ongoing

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

Repair and replacement of pumps, motors, valves, and pipelines in order to maintain the irrigation pumping and distribution system.

PROJECT ASSUMPTIONS

Operation and maintenance records are utilized to prioritize ongoing repairs and replacement.

BENEFITS

This program will maintain operational reliability and improve operating efficiency of irrigation water delivery systems.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-						
CONSTRUCTION MANAGEMENT	-	-	-						
CONSTRUCTION	2,439,173	655,150	1,184,023	100,000	100,000	100,000	100,000	100,000	100,000
10% CONTINGENCY	-	-	-						
OTHER ENG. SERVICES	-	-	-						
TOTAL	\$ 2,439,173	\$ 655,150	\$ 1,184,023	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
IRRIGATION UTILITY RATE REVENUE	1,636,173	-	1,036,173	100,000	100,000	100,000	100,000	100,000	100,000
REVENUE BOND ISSUE	803,000	655,150	147,850						
	-	-	-						
	-	-	-						
TOTAL	\$ 2,439,173	\$ 655,150	\$ 1,184,023	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	100,000	402-410-0006-594507-6403
TOTAL	\$ 100,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Island View Supply Redundancy Project

Type of Project Water		Partnership Project?	NO	Project # WA160006
Key # 2	Goal # 2	<i>Strategic Leadership Plan Project?</i>		No
PROJECT NAME: Island View Supply Redundancy Project				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Steptoe Street and Tapteal Drive area				
PROJECT TIMELINE: 2018				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

This project will construct a second supply route to the Island View area. Island View is currently provided water service through a single pipeline and pressure reducing station near Columbia Park Trail. This project will install a pressure reducing station near the intersection of Steptoe Street and Tapteal Drive, thus improving the supply reliability to the Island View area. Approximately 700 LF of 8" diameter main is proposed in Steptoe Street, from Canyon Street to Tapteal Drive, where the pressure reducing station will be installed to match the pressure in the Island View area.

PROJECT ASSUMPTIONS

The project schedule will work best if aligned with street improvements and development projects in the Steptoe - Tapteal area. The project is shown in 2018 to support a possible grant-funded intersection improvement at Steptoe Street and Tapteal Drive. The project will require an easement or permit from the Port of Benton and the Tri-City Railroad. If the street improvement project does not occur this project will be deferred because the supply redundancy improvement is not considered critical, but only a desirable system enhancement.

BENEFITS

Improved water service reliability to the Island View and Tapteal areas. These areas are currently supplied by a single pipeline with backup supply available from the City of Kennewick.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	410,000			410,000					
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 410,000	\$ -	\$ -	\$ 410,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER FACILITY FEE REVENUE	410,000			410,000					
TOTAL	\$ 410,000	\$ -	\$ -	\$ 410,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	410,000	402-410-0006-594504-6403
TOTAL	\$ 410,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Leslie Road Service Pressure Improvement

Type of Project

Water

Partnership Project?

NO

Project #

WA160004

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Leslie Road Service Pressure Improvement

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Neighborhoods on either side of Leslie Road between Broadmoor Street and Peach Tree Lane

PROJECT TIMELINE:

2021

RESPONSE TO *GMA LEVEL OF SERVICE?

NO

PROJECT DESCRIPTION

This project will install a pressure reducing valve (PRV) station to increase service pressure to homes near Leslie Road and High Meadows Street. The project will address a system deficiency identified in the 2017 Water System Plan.

PROJECT ASSUMPTIONS

The project will require adequate funding and staff time.

BENEFITS

Improved water pressure for existing customers who are occasionally experiencing sub-standard water pressure.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	105,000						105,000		
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	105,000						105,000		
	-								
	-								
TOTAL	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Orchard Way Service Pressure Improvement

Type of Project Water		Partnership Project?	NO	Project # WA160003
Key # 2	Goal # 2	<i>Strategic Leadership Plan Project?</i>		No
PROJECT NAME: Orchard Way Service Pressure Improvement				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Orchard Way, east of Greenview Drive				
PROJECT TIMELINE: 2018				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Construct approximately 200 LF of 8" diameter main in Leslie Road from High Meadows Street to an existing Tapteal I Zone 8" diameter main to provide looped supply to the Tapteal II Zone in this area. This pipeline extension will allow a number of residential services to be provided with increased water pressure. The project was developed as part of the 2017 Water System Plan. The Plan's computer modeling indicated that demand growth on the water system will expose the effected services to substandard pressure if the system is not modified.

PROJECT ASSUMPTIONS

The project assumes adequate funding and staff time.

BENEFITS

This project will upgrade the water pressure for an existing neighborhood that will experience occasional substandard water pressure.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	35,000						35,000		
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	35,000						35,000		
-	-								
-	-								
TOTAL	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
-	-								
-	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Tapteal I Pump Station Upgrade

Type of Project

Water

Partnership Project?

YES

Project #

WA160010

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Tapteal I Pump Station Upgrade

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

City Shops

PROJECT TIMELINE:

2021-2024

RESPONSE TO *GMA LEVEL OF SERVICE?

YES

PROJECT DESCRIPTION

The project will replace pump station equipment to provide increased capacity and efficiency to meet the water supply needs of growth in south Richland and the City of West Richland. The City of West Richland has committed to partner with Richland for this project. Preliminary work will be completed in 2021 with major construction to occur in 2024.

PROJECT ASSUMPTIONS

This project is based on partnering funds from the City of West Richland. The project delivery schedule will be reevaluated periodically to confirm the growth projections calling for its need.

BENEFITS

The project will preserve reliable water supply to south Richland and the City of West Richland, who draws water from Richland pursuant to a wholesale water supply agreement. The project will also improve energy efficiency by replacing outdated equipment.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	50,000						50,000		
CONSTRUCTION MANAGEMENT	50,000						50,000		
CONSTRUCTION	360,000						360,000		
10% CONTINGENCY	40,000						40,000		
OTHER ENG. SERVICES	-								
	-								
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER FACILITY FEES	250,000						250,000		
CITY OF WEST RICHLAND	250,000						250,000		
	-								
	-								
TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Water Treatment Plant Pumping Capacity Improvement

Type of Project Water		Partnership Project? <input type="text" value="NO"/>	Project # WA170002
Key # 2	Goal # 2	Strategic Leadership Plan Project? No	
PROJECT NAME: <input type="text" value="Water Treatment Plant Pumping Capacity Improvement"/>			
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>			
PROJECT LOCATION: <input type="text" value="Water Treatment Plant"/>			
PROJECT TIMELINE: <input type="text" value="2023"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

This project will enhance the reliability and supply capacity of the water treatment plant as system demand grows. The installation of a new pump with a variable frequency drive in the finished water pump room of the water treatment plant. The plant currently has seven operating pumps, one with a variable frequency drive. The variable frequency drive-equipped pump results in steady system pressure and smooth water treatment operations. With only one variable frequency equipped pump the system is vulnerable to failure of this one unit. In addition the loss of any pump would compromise the ability of the plant to deliver peak flow when needed. As system demand grows these vulnerabilities will become more impactful. This project will mitigate those risks by adding a variable-frequency drive equipped pump to the finished water pump room.

PROJECT ASSUMPTIONS

The project assumes that system demand grows as projected and that the North Richland Slow Sand Facility continues to provide reliable water supply. If the North Richland Slow Sand Facility is compromised this project would become more critical. If demand growth slows this project could be deferred.

BENEFITS

Improves the capacity and reliability of the plant and continuity of operations during an extended equipment failure at the plant.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	766,000								766,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 766,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 766,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	766,000								766,000
	-								
	-								
TOTAL	\$ 766,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 766,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Water Treatment Plant Renewal & Replacement

Type of Project Water		Partnership Project?	NO	Project # WA130007
Key # 2	Goal # 2	<i>Strategic Leadership Plan Project?</i>		No
PROJECT NAME: Water Treatment Plant Renewal & Replacement				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Water Plant & Water Facilities throughout Richland				
PROJECT TIMELINE: Ongoing				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

PROJECT DESCRIPTION

Structural, mechanical, and control systems rehabilitation, repair and replacement of water plant facility and infrastructure.

PROJECT ASSUMPTIONS

The Water Treatment Plant is the City's most important water supply facility and is more than 50 years old. Ongoing investment in renewal and replacement work is vital to preserving its service life.

BENEFITS

The continuation of a reliable, high quality water supply.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	4,327,769	2,656,798	320,971	225,000	225,000	225,000	225,000	225,000	225,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 4,327,769	\$ 2,656,798	\$ 320,971	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
WATER RATE REVENUE	4,327,769	2,656,798	320,971	225,000	225,000	225,000	225,000	225,000	225,000
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 4,327,769	\$ 2,656,798	\$ 320,971	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY		
ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	225,000	402-410-0006-594505-6403
TOTAL	\$ 225,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

WTP Solids Handling Improvements

Type of Project

Water

Partnership Project?

NO

Project #

WA130006

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: WTP Solids Handling Improvements

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Water Treatment Plant Site

PROJECT TIMELINE: 2021

RESPONSE TO *GMA LEVEL OF SERVICE? YES

PROJECT DESCRIPTION

Source water for the potable water supply is filtered and treated to meet drinking water quality standards. The solids captured from this process are currently pumped to an off-site location for dewatering. Modifications of the solids removal and transporting system will be made to collect and de-water the solids on-site.

PROJECT ASSUMPTIONS

The existing solids handling facilities are reaching the end of their service life and occupy a large section of real estate in two locations. Mechanical settling and pumping equipment is located at the Water Treatment Plant. Drying facilities are located on property adjacent to George Washington Way. After replacement facilities are operational the George Washington Way property could be surplus from the Water Utility.

BENEFITS

This project replaces obsolete and inefficient equipment, enabling cost-saving operations in the future and potential revenue from sale of surplus property.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	20,000						20,000		
CONSTRUCTION MANAGEMENT	20,000						20,000		
CONSTRUCTION	327,273						327,273		
10% CONTINGENCY	32,727						32,727		
OTHER ENG. SERVICES	-								
	-								
TOTAL	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
SURPLUS PROPERTY SALE	400,000						400,000		
	-								
	-								
	-								
TOTAL	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Yakima River Crossing Pipeline Replacement

Type of Project Water		Partnership Project? <input type="text" value="NO"/>	Project # WA130008
Key # 2	Goal # 1	Strategic Leadership Plan Project? No	
PROJECT NAME: <input type="text" value="Yakima River Crossing Pipeline Replacement"/>			
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>			
PROJECT LOCATION: <input type="text" value="Duportail Street and Bridge"/>			
PROJECT TIMELINE: <input type="text" value="2017 - 2019"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

PROJECT DESCRIPTION

This project will replace the existing pipeline crossing the Yakima River near the Duportail Street alignment. The replacement pipeline will be mounted on the Duportail Bridge and include increased capacity as called for in 2016 Water System Plan update. Project implementation will be phased with the Duportail Bridge project.

PROJECT ASSUMPTIONS

The project is partially funded through a grant funding agreement with FEMA. The FEMA grant agreement will require approval of an extension to be valid past September 30, 2017. Application for the required extension has been made and approval is anticipated. If approval is denied the project will have to be reduced in scale or additional City funding identified.

BENEFITS

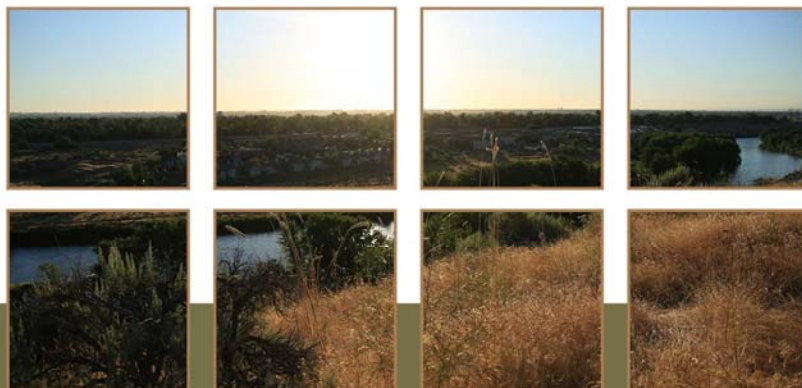
The replacement water line will ensure continued reliable water supply to the portion of the City south of the Yakima River and will extend this crossing's capacity to support anticipated growth in south Richland and West Richland. If the project is not completed the existing pipeline in the bed of the Yakima River will remain in service and remain vulnerable to damage.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	165,000	72,642	92,358						
CONSTRUCTION MANAGEMENT	355,000	-	75,000	75,000	175,000	30,000			
CONSTRUCTION	6,136,250	-	1,016,250	1,500,000	3,100,000	520,000			
10% CONTINGENCY	597,000	-	85,000	150,000	310,000	52,000			
OTHER ENG. SERVICES	-	-	-						
TOTAL	\$ 7,253,250	\$ 72,642	\$ 1,268,608	\$ 1,725,000	\$ 3,585,000	\$ 602,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GRANT - FEMA	1,993,301	54,481	795,519	1,143,301					
REVENUE BOND	5,259,949	18,161	473,089	581,699	3,585,000	602,000			
	-	-	-						
TOTAL	\$ 7,253,250	\$ 72,642	\$ 1,268,608	\$ 1,725,000	\$ 3,585,000	\$ 602,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

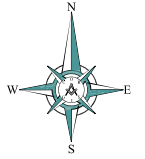
FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	1,725,000	402-410-0006-594554-6403
TOTAL	\$ 1,725,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE



Waterfront

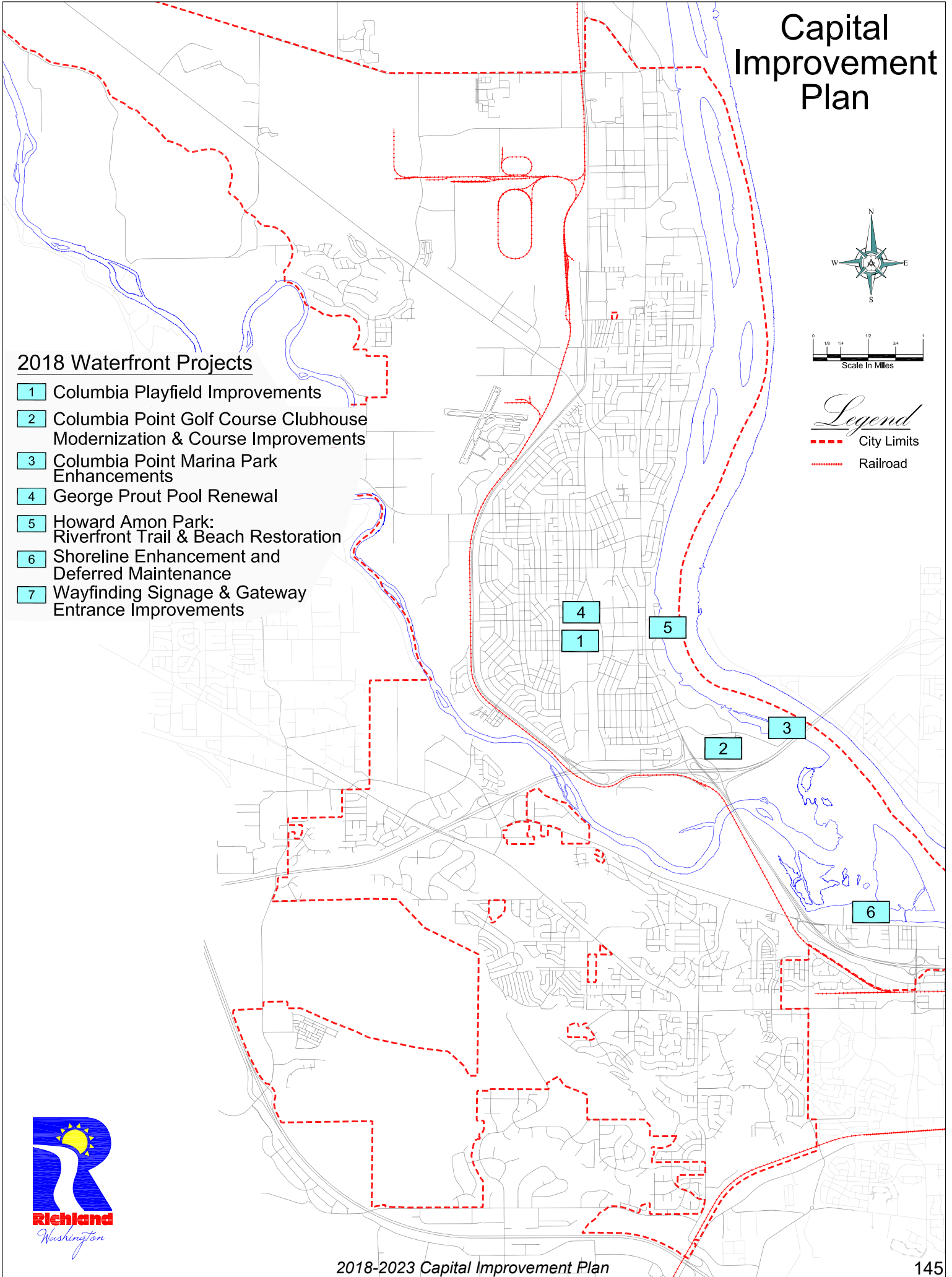


Capital Improvement Plan



2018 Waterfront Projects

- 1 Columbia Playfield Improvements
- 2 Columbia Point Golf Course Clubhouse Modernization & Course Improvements
- 3 Columbia Point Marina Park Enhancements
- 4 George Prout Pool Renewal
- 5 Howard Amon Park: Riverfront Trail & Beach Restoration
- 6 Shoreline Enhancement and Deferred Maintenance
- 7 Wayfinding Signage & Gateway Entrance Improvements





Capital Improvement Plan

2018 thru 2023

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Waterfront Projects

Department	Project #	\$ through 2016	Budget Rem. 2017	2018	2019	2020	2021	2022	2023	Total
Waterfront										
PROJECT COSTS										
Columbia Playfield Improvements	WF140007	1,040,958	363,000	183,000	230,000	30,000	330,000	0	0	2,176,958
Columbia Point Marina Park Enhancements	WF150015	428,846	294,000	350,000	410,000	250,000	150,000	0	0	1,882,846
Columbia Pt. Golf Course Clubhouse Modernization & Course	WF160003	0	266,000	30,000	0	0	0	0	0	296,000
Fire Station 71 - Replacement Station	WF140004	0	0	0	0	0	0	0	5,050,000	5,050,000
George Prout Pool Renewal	WF170001	0	0	200,000	20,000	130,000	0	0	0	350,000
Howard Amon Park:Riverfront Trail & Beach Restoration	WF140011	180,000	185,400	200,000	320,000	450,000	340,000	390,000	0	2,065,400
John Dam Plaza Improvements	WF140008	1,450,894	25,000	0	0	240,000	200,000	200,000	200,000	2,315,894
Leslie Groves Park Enhancements	WF160002	0	0	0	120,000	150,000	200,000	0	0	470,000
Shoreline Enhancement & Deferred Maintenance	WF140010	60,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	270,000
Swift Corridor: City Hall Replacement	WF140003	1,866,205	16,756,851	0	0	0	0	0	0	18,623,056
Waterfront District Vision Plan	WF140002	101,500	10,000	0	0	0	0	0	0	111,500
Wayfinding Signage & Gateway Entrance Improvements	WF140012	316,311	36,000	450,000	320,000	0	0	0	0	1,122,311
Waterfront Total:		5,444,714	17,966,251	1,443,000	1,450,000	1,280,000	1,250,000	620,000	5,280,000	34,733,965
FUNDING SOURCES										
Bond Proceeds		0	15,000,000	0	0	0	0	0	0	15,000,000
Bonds - Future Issue		0	0	0	0	0	0	0	5,050,000	5,050,000
Business License Reserve Fund		181,894	0	50,000	50,000	90,000	50,000	0	0	421,894
CDBG Funds		0	63,000	0	0	0	0	0	0	63,000
Criminal Justice Sales Tax		20,000	0	0	0	0	0	0	0	20,000
Donations		60,000	100,000	0	0	0	0	0	0	160,000
General Fund		66,000	10,000	353,000	480,000	30,000	30,000	0	0	969,000
General Fund - Facility Reserves		205,000	225,000	0	0	0	0	0	0	430,000
Grant		900,000	180,000	0	0	0	0	0	0	1,080,000
Grant - RCO		0	235,400	0	150,000	0	170,000	0	0	555,400
Grant (YAF)		203,846	0	0	0	0	0	0	0	203,846
Grant Funds (Unsecured)		0	176,000	0	0	0	0	0	0	176,000
Hotel/Motel-Lodging Funds		179,183	200,000	330,000	120,000	50,000	50,000	0	0	929,183
Industrial Development Fund		217,637	308,000	0	60,000	0	0	0	0	585,637
Land Sale (Swift & GWW)		111,205	0	0	0	0	0	0	0	111,205
Library Const. Fund (Added Parking)		250,000	0	0	0	0	0	0	0	250,000
Lodging Tax Grant (Secured)		771,775	0	0	0	0	0	0	0	771,775
LTGO 98 Fund		550,000	0	0	0	0	0	0	0	550,000
LTGO Bond Fund		250,000	0	0	0	0	0	0	0	250,000
Parks Reserve Fund (Undesignated)		187,500	30,000	110,000	30,000	60,000	30,000	30,000	30,000	507,500
Parks Reserve-Park District 1		0	0	220,000	100,000	180,000	0	0	0	500,000
Parks Reserve-Park District 2		14,500	0	0	0	0	0	0	0	14,500
Private Funding		50,000	0	0	0	0	0	0	0	50,000
REET-RE Excise Tax 1st 1/4%		566,174	604,200	130,000	140,000	70,000	500,000	0	0	2,010,374
REET-RE Excise Tax 2nd 1/4%		0	0	250,000	320,000	500,000	420,000	200,000	200,000	1,890,000
Right-of-Way Sale (Secured)		160,000	0	0	0	0	0	0	0	160,000
Unfunded		0	0	0	0	300,000	0	390,000	0	690,000
Utility Occ Tax Increase		500,000	834,651	0	0	0	0	0	0	1,334,651
Waterfront Total:		5,444,714	17,966,251	1,443,000	1,450,000	1,280,000	1,250,000	620,000	5,280,000	34,733,965

Columbia Playfield Improvements

Type of Project Waterfront		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> YES	Project # WF140007
Key # 6	Goal # 3	Strategic Leadership Plan Project? Yes		
PROJECT NAME: Columbia Playfield Improvements				
PROJECT ADMINISTRATION: Parks & Public Facilities				
PROJECT LOCATION: Columbia Playfield, central Richland; 1500 Mansfield				
PROJECT TIMELINE: 2017-2021				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> YES				

PROJECT DESCRIPTION

The Columbia Playfields are a premier softball complex attracting local, regional and tournament users. 2018 - 1) install field lighting on a new and currently unlit 5th softball field using existing 2017 lodging tax funds, 2) install new rubber safety surfacing on the playground using existing Community Development Block Grant funds. The playground is currently surfaced in safety wood fiber chips. 2018 - install bleachers on the new 5th softball field, rebuild Field 3. 2019/2020 - rebuild parking lots and the remaining two softball fields. 2021 - replace the aging, two story restroom building with a more modern facility.

PROJECT ASSUMPTIONS

Receiving 2018 Lodging Tax grant.

BENEFITS

Increase tourism activity through tournaments hosted at Columbia Playfield. Provide adequate facilities for youth sports.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	2,176,958	1,040,958	363,000	183,000	230,000	30,000	330,000	-	-
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,176,958	\$ 1,040,958	\$ 363,000	\$ 183,000	\$ 230,000	\$ 30,000	\$ 330,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RIGHT-OF-WAY SALE (SECURED)	160,000	160,000	-	-	-	-	-	-	-
LODGING TAX GRANT (SECURED)	771,775	771,775	-	-	-	-	-	-	-
PRIVATE FUNDING	50,000	50,000	-	-	-	-	-	-	-
LODGING TAX GRANT	289,183	59,183	150,000	80,000	-	-	-	-	-
RCO GRANT	150,000	-	150,000	-	-	-	-	-	-
RE EXCISE TAX 1ST 1/4%	300,000	-	-	-	-	-	300,000	-	-
CDBG GRANT	63,000	-	63,000	-	-	-	-	-	-
GENERAL FUND	393,000	-	-	103,000	230,000	30,000	30,000	-	-
TOTAL	\$ 2,176,958	\$ 1,040,958	\$ 363,000	\$ 183,000	\$ 230,000	\$ 30,000	\$ 330,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	2,550	-	-	300	350	400	450	500	550
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,550	-	-	\$ 300	\$ 350	\$ 400	\$ 450	\$ 500	\$ 550

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
CAPITAL ITEM	183,000	380-337-0066-594783-6403
TOTAL	\$ 183,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Columbia Point Marina Park Enhancements

Type of Project

Waterfront

Partnership Project?

Waterfront Project?

Project #

Key #

Goal #

Strategic Leadership Plan Project?

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

Columbia Point Marina Park is the City's top rated marina and is located in the heart of Columbia Point. Use of the marina has grown steadily over the years along with the development of neighborhood restaurants and hotels. The park master plan calls for certain amenities to serve park users beginning with the addition of a lighted sports field in 2017. 2018: replace an undersized and failing sewer lift station that serves the public bathrooms and boat pump out facilities. 2019: replace an aging playground and begin environmental and a cultural resource study to widen the marina opening. 2020: widen the opening to accommodate marina traffic and large vessels. 2021: construct a new commercial dock as an expansion to the existing commercial dock.

PROJECT ASSUMPTIONS

Receive state BIG TIER 1 grant for dock development. Use the Industrial Development Fund to fund a project to replace state funded parkland that was converted to private use for LuLu's restaurant. The required project will satisfy the previous state investment by widening the marina opening.

BENEFITS

Field lights will provide additional field availability for various sports games and practices which brings additional activity to the waterfront. The new docks will improve the appearance and safety of the marina and a wider marina opening will increase marina capacity.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	1,822,846	428,846	294,000	350,000	350,000	250,000	150,000		
PLANNING	60,000				60,000				
	-								
	-								
TOTAL	\$ 1,882,846	\$ 428,846	\$ 294,000	\$ 350,000	\$ 410,000	\$ 250,000	\$ 150,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GRANT (YAF)	203,846	203,846							
RE EXCISE TAX 1ST 1/4%	254,000	140,000	114,000						
RE EXCISE TAX 2ND 1/4%	800,000			150,000	250,000	250,000	150,000		
RCO BIG TIER 1 GRANT	180,000		180,000						
INDUSTRIAL DEVELOPMENT FUND	60,000				60,000				
UNDESIGNATED PARK RESERVE	70,500	20,500		50,000					
PARKS RESERVE DISTRICT 1	250,000			150,000	100,000				
PARKS RESERVE DISTRICT 2	14,500	14,500							
HOTEL/MOTEL - LODGING TAX	50,000	50,000							
TOTAL	\$ 1,882,846	\$ 428,846	\$ 294,000	\$ 350,000	\$ 410,000	\$ 250,000	\$ 150,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	350,000	380-337-0066-596797-6403
TOTAL	\$ 350,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Columbia Pt. Golf Course Clubhouse Modernization & Course Improvements

Type of Project Waterfront		Partnership Project? <input type="checkbox"/> NO	Waterfront Project? <input checked="" type="checkbox"/> YES	Project # WF160003
Key #	Goal #	<i>Strategic Leadership Plan Project?</i>		Yes
6	1			
PROJECT NAME: <input type="text" value="Columbia Pt. Golf Course Clubhouse Modernization & Course Improvements"/>				
PROJECT ADMINISTRATION: <input type="text" value="Parks and Public Facilities"/>				
PROJECT LOCATION: <input type="text" value="Columbia Point Golf Course"/>				
PROJECT TIMELINE: <input type="text" value="2017-2018"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO				

PROJECT DESCRIPTION

A 10-year management agreement with the Columbia Point Golf Course operator (CourseCo) includes a required contribution of \$75,000 from the operator, or up to \$100,000 if the City provides a matching \$100,000 for clubhouse and course improvements in an effort to improve the profitability of the golf course. The facility has not had significant paint, carpet, or any implements since new in 1996. Food and beverage improvements are needed in the kitchen and dining room, in addition to bathroom remodel (urinals, dividers, flooring fixtures), interior and exterior painting, weatherproofing, customer seating, exterior lighting, and parking lot seal and striping. Minor course improvements includes tree maintenance and rebuilding of several sand bunkers. All items in this project are "capital projects" as defined in the operating agreement with CourseCo and outside the normal maintenance obligations of the operator.

PROJECT ASSUMPTIONS

Enhancements will be made in various locations in the clubhouse and on the course in an effort to maintain a high standard of quality at the facility and to improve profitability in the food and beverage segment of the business.

BENEFITS

Enhanced food and beverage sales are expected to improve facility revenue and other investments are intended to retain and attract customers.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
FOOD AND BEVERAGE ENHANCEMENTS	296,000		266,000	30,000					
OTHER CLUBHOUSE IMPROVEMENTS - PARKING LOT SEAL AND STRIPE	-								
BUNKER REBUILDING/TREE MAINTENANCE	-								
TOTAL	\$ 296,000	\$ -	\$ 266,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	196,000		166,000	30,000					
DONATION (PRIVATE - COURSECO.)	100,000		100,000						
	-								
	-								
TOTAL	\$ 296,000	\$ -	\$ 266,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING
OTHER STRUCTURES/IMPROVEMENTS > \$5,000	30,000	406-336-0006-576680-6417
TOTAL	\$ 30,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Fire Station 71 - Replacement Station

Type of Project Waterfront		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="YES"/>	Project # WF140004
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="text" value="Yes"/>		
PROJECT NAME: <input type="text" value="Fire Station 71 - Replacement Station"/>				
PROJECT ADMINISTRATION: <input type="text" value="Fire Services"/>				
PROJECT LOCATION: <input type="text" value="Between George Washington Way and Jadwin, just North of the Richland Police Department main station"/>				
PROJECT TIMELINE: <input type="text" value="2023 - 2025"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

This station construction project replaces the existing headquarters fire station at 1000 George Washington Way, and locates it adjacent to the Richland Police Station.

PROJECT ASSUMPTIONS

Because this is a station replacement, no additional staffing or vehicles will be required for this project. The building site will be City owned land, just north of the Richland Police Station on George Washington Way. Funding mechanism and timing of construction will be identified by City council in conjunction with staff, and will likely include revenue from the sale of the 1000 GWW property. The station construction project will utilize the same design-build approach that was utilized in the construction of station 74 in Southwest Richland in 2015.

BENEFITS

This project creates a modern and inviting 'public safety campus' in the downtown/waterfront district. The relocation of the fire station opens the current George Washington Way property for economic development along with the vacated city hall site. This property is the Northeast corner of the Waterfront District and the East end of the Swift Corridor and will open the site to Private/Commercial Development to help anchor both projects. Additionally, the existing station has deteriorated due to age, and has exceeded its practical life cycle. Despite investment in the building in the last several years, costly core maintenance projects remain if the building life, as a fire station, is to be extended much beyond the next 5-7 years.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	4,150,000								4,250,000
DESIGN	800,000								800,000
TOTAL	\$ 4,950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,050,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
BOND PROCEEDS (MUNICIPAL)	4,950,000								5,050,000
TOTAL	\$ 4,950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,050,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

George Prout Pool Renewal

Type of Project Waterfront		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="YES"/>	Project # WF1/0001
Key # 1	Goal # 3	<i>Strategic Leadership Plan Project?</i> <input type="text" value="No"/>		
PROJECT NAME: <input type="text" value="George Prout Pool Renewal"/>				
PROJECT ADMINISTRATION: <input type="text" value="Parks & Public Facilities"/>				
PROJECT LOCATION: <input type="text" value="1005 Swift Blvd."/>				
PROJECT TIMELINE: <input type="text" value="2018"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="YES"/>				

PROJECT DESCRIPTION

The George Prout Pool is a long-serving and beloved community amenity. The original bath house was renovated in 1981 and the original pool was replaced in 2002 and is in need of plaster and other maintenance including exploration of a water leak at the pool bottom. 2018 - Replace necessary portions of the pool bottom and resurface entire pool with new plaster; 2019 - install new exit door from entrance lobby directly onto the pool deck to improve accessibility for all users; 2020 - improve ventilation/mechanical system in bath house.

PROJECT ASSUMPTIONS

Portions of the pool plaster are failing and are 5 years beyond the design life of pool plaster. Portions of the concrete shell appear to have hollow voids underneath.

BENEFITS

Repair/replacement of the pool bottom surface and renovation of the bath house will extend the live of the facility for public use. Some pool guests will benefit from better access to the pool directly from the lobby.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	350,000			200,000	20,000	130,000			
	-								
	-								
TOTAL	\$ 350,000	\$ -	\$ -	\$ 200,000	\$ 20,000	\$ 130,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	190,000			100,000	20,000	70,000			
UNDESIGNATED PARK RESERVE	60,000			30,000		30,000			
PARKS RESERVE DISTRICT 1	100,000			70,000		30,000			
	-								
TOTAL	\$ 350,000	\$ -	\$ -	\$ 200,000	\$ 20,000	\$ 130,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FOR FINANCE STAFF USE ONLY			ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2018	CODING			
CAPITAL ITEM	200,000	380-337-0066-594761-6403			
TOTAL	\$ 200,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE			

Howard Amon Park: Riverfront Trail & Beach Restoration

Type of Project

Waterfront

Partnership Project?

NO

Waterfront Project? YES

Project #

WF140011

Key #

5

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Howard Amon Park: Riverfront Trail & Beach Restoration

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Howard Amon Park

PROJECT TIMELINE: 2015-2023

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

A citizen survey taken at the 2017 City Fair event documented that Howard Amon Park remains the Community's favorite Richland park. The projects included in Howard Amon Park are focused on widening the Riverfront Trail and stabilizing the beach between the Hampton Inn and north Howard Amon Park to include trail widening and reconstruction, lighting, removal and replanting of dead or diseased trees (only as necessary), and annual beach restoration work. 2017 - complete 400 feet of trail reconstruction. 2018 - complete 400 feet of trail reconstruction. 2019 - complete 700 feet for trail reconstruction. 2020 - complete 660 feet of trail reconstruction. 2021 - complete 480 feet of trail reconstruction. 2022 - complete 780 feet of trail reconstruction.

PROJECT ASSUMPTIONS

State Resource and Conservation Office and other grants will be obtained. Cultural resource work will represent 30% of project expenses.

BENEFITS

This section of the Riverfront Trail is the busiest and most congested trail in the City and is currently 8 feet wide. Widening the trail will ease congestion by providing a 15 foot wide concrete sidewalk section along with trail lighting for safe use after dark. Beach restoration will provide bank stabilization and create an attractive amenity for tourists and families.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	2,065,400	180,000	185,400	200,000	320,000	450,000	340,000	390,000	
	-								
	-								
	-								
	-								
TOTAL	\$ 2,065,400	\$ 180,000	\$ 185,400	\$ 200,000	\$ 320,000	\$ 450,000	\$ 340,000	\$ 390,000	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	92,000	42,000	50,000						
RE EXCISE TAX 2ND 1/4%	290,000			100,000	70,000	50,000	70,000		
BUSINESS LICENSE RESERVE FUND	248,000	48,000		50,000	50,000	50,000	50,000		
HOTEL/MOTEL - LODGING TAX FUNDS	320,000	70,000	50,000	50,000	50,000	50,000	50,000		
CRIMINAL JUSTICE SALES TAX	20,000	20,000							
RCO GRANT	405,400		85,400		150,000		170,000		
UNFUNDED	690,000					300,000		390,000	
TOTAL	\$ 2,065,400	\$ 180,000	\$ 185,400	\$ 200,000	\$ 320,000	\$ 450,000	\$ 340,000	\$ 390,000	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
MAINTENANCE	2,700				500	500	500	600	600
	-								
	-								
TOTAL	\$ 2,700	-	-	\$ -	\$ 500	\$ 500	\$ 500	\$ 600	\$ 600

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	200,000	380-337-0066-596793-6209
TOTAL	\$ 200,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

John Dam Plaza Improvements

Type of Project Waterfront		Partnership Project? <input type="checkbox"/> YES <input checked="" type="checkbox"/>	Waterfront Project? <input type="checkbox"/> YES <input checked="" type="checkbox"/>	Project # WF140008
Key # 6	Goal # 3	Strategic Leadership Plan Project? Yes		
PROJECT NAME: John Dam Plaza Improvements				
PROJECT ADMINISTRATION: Parks & Public Facilities				
PROJECT LOCATION: John Dam Plaza, central Richland; 800 Jadwin Avenue				
PROJECT TIMELINE: 04/2015 - 12/2021				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO <input checked="" type="checkbox"/>				

PROJECT DESCRIPTION

John Dam Plaza is the host of the HAPO Community Stage attracting thousands of visitors each weekend who attend music performances supplemented with food trucks and other entertainment. 2017 - improve the pedestrian crossing of Jadwin Avenue by replacing the pedestrian flag system with signage and push-button activated LED light flashers. 2020-2023 construct a concrete/paved plaza in the north section of the park per the approved master plan to more effectively accommodate large crowds and vendors.

PROJECT ASSUMPTIONS

State grants will be obtained.

BENEFITS

The proposed improvements will complement the City's vision to enhance the downtown and waterfront areas. The annual HAPO contribution of \$30,000 will be set aside for maintenance beginning in 2017 and included in the operating budget for additional, necessary maintenance and support for the stage and John Dam Plaza to keep the facility in a high-quality condition.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-						
CONSTRUCTION MANAGEMENT	-	-	-						
CONSTRUCTION	2,315,894	1,450,894	25,000			240,000	200,000	200,000	200,000
10% CONTINGENCY	-	-	-						
OTHER ENG. SERVICES	-	-	-						
TOTAL	\$ 2,315,894	\$ 1,450,894	\$ 25,000	\$ -	\$ -	\$ 240,000	\$ 200,000	\$ 200,000	\$ 200,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
BUSINESS LICENSE RESERVE FUND	173,894	133,894	-			40,000			
LODGING TAX	600,000	600,000	-						
RE EXCISE TAX 1ST 1/4%	25,000	-	25,000						
RE EXCISE TAX 2ND 1/4%	800,000	-	-			200,000	200,000	200,000	200,000
RCO GRANT	300,000	300,000	-						
DONATION HAPO	60,000	60,000	-						
LTGO BOND FUND	250,000	250,000	-						
UNDESIGNATED PARK RESERVE	107,000	107,000	-						
TOTAL	\$ 2,315,894	\$ 1,450,894	\$ 25,000	\$ -	\$ -	\$ 240,000	\$ 200,000	\$ 200,000	\$ 200,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
PARK MAINTENANCE	28,500	-	-			5,500	7,000	8,000	8,000
	-	-	-						
	-	-	-						
	-	-	-						
TOTAL	\$ 28,500	-	-	\$ -	\$ -	\$ 5,500	\$ 7,000	\$ 8,000	\$ 8,000

Leslie Groves Park Enhancements

Type of Project Waterfront		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="YES"/>	Project # WF160002
Key # 6	Goal # 1	Strategic Leadership Plan Project? <input type="text" value="Yes"/>		
PROJECT NAME: <input type="text" value="Leslie Groves Park Enhancements"/>				
PROJECT ADMINISTRATION: <input type="text" value="Parks and Public Facilities"/>				
PROJECT LOCATION: <input type="text" value="Leslie Groves Park, Park Street entrance"/>				
PROJECT TIMELINE: <input type="text" value="2018"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

Leslie Groves Park is a high quality park serving north Richland. The park has seen increased use commensurate with other waterfront assets. 2017 - Reconstruct sand volleyball courts and install an outdoor shower. 2019 - Improve swim area by removing existing jersey barrier retaining wall along the swim beach and replace with a stepped wall to provide better beach access and aesthetics. 2020 - Rebuild tennis courts. 2021 replace existing restroom with a facility that meets modern ADA requirements and add a fish cleaning station to accommodate the popular Snyder Street Docks and boat launch for fishing.

PROJECT ASSUMPTIONS

The public use of Leslie Groves Park including the beach, Synder Street Docks, and sand volleyball facility is increasing and warrants park and facility improvements.

BENEFITS

Many of the amenities at Leslie Groves Park are showing their age and are in need of renewal or replacement to meet the community's expectations of this premier city park.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
CONSTRUCTION	470,000				120,000	150,000	200,000		
TOTAL	\$ 470,000	\$ -	\$ -	\$ -	\$ 120,000	\$ 150,000	\$ 200,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4% PARK DISTRICT 1	320,000 150,000				120,000	150,000	200,000		
TOTAL	\$ 470,000	\$ -	\$ -	\$ -	\$ 120,000	\$ 150,000	\$ 200,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Shoreline Enhancement & Deferred Maintenance

Type of Project

Waterfront

Partnership Project?

Waterfront Project?

Project #
WF140010

Key #	Goal #
5	3

Strategic Leadership Plan Project?

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO *GMA LEVEL OF SERVICE?

PROJECT DESCRIPTION

The Columbia and Yakima Rivers are valuable economic and recreational amenities. This is an annual budget to perform tree, vegetation, and general clean up work along City shorelines. 2016 and 2017 funding has been used exclusively along Bushwacker Road in the Island View neighborhood to provide safe access to the Yakima Delta area.

PROJECT ASSUMPTIONS

A Shoreline Vegetation Management Plan is being sought from the US Army Corps of Engineers and new in 2017 is an administrative "Shoreline Substantial Development" permit required for maintenance activities. Safe access to the water remains a high priority for the public.

BENEFITS

Protect shoreline from erosion, improve appearance of shoreline, provide views and accessibility to the river.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
VEGETATION & SHORELINE MAINTENANCE	270,000	60,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
CONSTRUCTION & RIVERSHORE ENHANCEMENT	-								
TOTAL	\$ 270,000	\$ 60,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
UNDESIGNATED PARK RESERVE FUND	270,000	60,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL	\$ 270,000	\$ 60,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	30,000	380-337-0066-594571-6403
TOTAL	\$ 30,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE

Swift Corridor: City Hall Replacement

Type of Project Waterfront		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="YES"/>	Project # WF140003
Key # 4	Goal # 2	Strategic Leadership Plan Project? Yes		
PROJECT NAME: <input type="text" value="Swift Corridor: City Hall Replacement"/>				
PROJECT ADMINISTRATION: <input type="text" value="Parks & Public Facilities"/>				
PROJECT LOCATION: <input type="text" value="625 Swift Boulevard"/>				
PROJECT TIMELINE: <input type="text" value="06/2011 - 12/2019"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

PROJECT DESCRIPTION

The Swift Corridor project is a multi-year, long-range economic development and infrastructure investment in the Central Business District. This project phase will replace three aging city buildings (Development Services, Administrative Annex and City Hall) into one approximately 44,000 square foot multi-story structure in an effort to increase efficiencies and avoid costly building modifications for ADA accessibility and other major system upgrades. The facility will be located on 1.8 acres purchased in 2017 on the northern portion of the federally owned parking lot at the southwest corner of Swift Boulevard and Jadwin Avenue. The existing City Hall site will be cleared for economic development purposes consistent with the City's waterfront vision. Annual debt service estimated at \$893,720 would begin in 2018 and will be funded with savings resulting from the retirement of City Shops debt and from the approved 2016 increase in electric utility occupation tax to 8.5%.

PROJECT ASSUMPTIONS

3.5% interest on a 30-year general obligation bond, with interest only payments during the construction period, repaid from the authorized 2016 increase in electric utility occupation tax to the General Fund and retirement of the City Shops debt funded by Real Estate Excise Tax. Washington State design-build project delivery authority will be utilized. The existing City Hall and Administrative Annex Building will be demolished to create a 1.5 acre site for economic development purposes. A reconfiguration of the federal parking lot and city led parking lot management will be necessary. The Development Services Building will be excess to the City's needs.

BENEFITS

Municipal efficiency and improved access to local government by combining three facilities into one. Avoidance of costly ADA and major system upgrades to each of the three facilities and opportunities for economic development at the current location of Richland City Hall.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
PROJECT PLANNING INCL DEBT ISSUANCE	377,203	377,203							
REMODEL UB AREA&SWIFT/JADWIN SIGNL	104,079	104,079							
DESIGN BUILD	17,209,000	792,579	16,416,421						
LAND ACQUISITION	592,344	592,344							
OTHER ENG. SERVICES	340,430		340,430						
	-		-						
	-		-						
TOTAL	\$ 18,623,056	\$ 1,866,205	\$16,756,851	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND - FACILITY RESERVES	430,000	205,000	225,000						
LAND SALE (SWIFT & GWW)	111,205	111,205							
INDUSTRIAL DEVELOPMENT FUND	308,000	-	308,000						
LTGO 98 FUND	550,000	550,000							
CAPITAL IMPRVMT FUND (REET 1ST 1/4%)	463,200	250,000	213,200						
LIBRARY CONST FUND (ADDED PARKING)	250,000	250,000							
BOND PROCEEDS	15,000,000		15,000,000						
UTILITY OCCUPATION TAX INCREASES	1,334,651	500,000	834,651						
GRANT FUNDS (UNSECURED)-STREET IMPRV	176,000		176,000						
BUSINESS LICENSE RESERVE-STREET IMPRV	-								
TOTAL	\$ 18,623,056	\$ 1,866,205	\$16,756,851	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
DEBT SERVICE (REET)	2,345,200			213,200	426,400	426,400	426,400	426,400	426,400
DEBT SERVICE (UTILITY TAX)	2,190,055			106,925	213,850	467,320	467,320	467,320	467,320
	-								
TOTAL	\$ 4,535,255	-	-	\$ 320,125	\$ 640,250	\$ 893,720	\$ 893,720	\$ 893,720	\$ 893,720

Waterfront District Vision Plan

Type of Project Waterfront		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> YES	Project # WF140002
Key # 3	Goal # 1	Strategic Leadership Plan Project? <input type="checkbox"/> No		
PROJECT NAME: Waterfront District Vision Plan				
PROJECT ADMINISTRATION: Community and Development Services				
PROJECT LOCATION: Designated Waterfront District includes riverfront and portion of downtown				
PROJECT TIMELINE: 2016 - 2017				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO				

PROJECT DESCRIPTION

This project is intended to translate Council’s vision for an exciting and active downtown riverfront into a tangible and implementable plan. The vision will provide the basis for future redevelopment efforts necessary to enhance and connect the Riverfront and Downtown Districts. While considering the long-range (25 years) opportunities, the plan is anticipated to establish shorter term (5 year) implementation steps. This process will provide materials necessary to engage the public in ways that build community support and excitement for the vision. The project will build on the Tri-Cities’ new branding program and capture the high value projects that uniquely identify and market Richland. Once the process is completed, ongoing marketing efforts will continue to build the district's reputation as an exciting activity hub and securing private investment for new development.

PROJECT ASSUMPTIONS

The resulting study will include an implementation plan for marketing, and identify potential infill development projects. Recommended wayfinding and gateway monuments will be included in the Gateway Improvements project.

BENEFITS

The study will enable successful recruitment of additional retail tenants to the waterfront district, as well as setting a path to increased revenue from property taxes, sales taxes, ground leases, and land sales. Implementation is expected to build community support and excitement for gathering spots and a sense of place by connecting our Waterfront District.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
VISION PLAN	101,500	101,500							
PLAN MARKETING	10,000		10,000						
	-								
	-								
TOTAL	\$ 111,500	\$ 101,500	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
GENERAL FUND	76,000	66,000	10,000						
INDUSTRIAL DEVELOPMENT FUND	35,500	35,500							
	-								
	-								
TOTAL	\$ 111,500	\$ 101,500	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Wayfinding Signage & Gateway Entrance Improvements

Type of Project

Waterfront

Partnership Project?

YES

Waterfront Project?

YES

Project #

WF140012

Key #

6

Goal #

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Wayfinding Signage & Gateway Entrance Improvements

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide

PROJECT TIMELINE: 2017 - 2020

RESPONSE TO *GMA LEVEL OF SERVICE? NO

PROJECT DESCRIPTION

Visit Tri Cities (the area's visitor and convention bureau) is managing a consultant effort to coordinate the Cities of Richland, West Richland, Kennewick, Pasco, Benton and Franklin Counties and the Ports of Benton and Kennewick, along with the Tri-Cities Lodging Association to develop a wayfinding guide signage program consistent with the Tri Cities brand. Wayfinding guide signage a category of traffic control as defined by the MUTCD and the area program is intended to result in well-designed, attractive signage (vehicular and pedestrian) and entrance features expected to beautify the region and provide helpful tourist directions. The beautification elements are not MUTCD guide signs and will utilize Lodging Tax revenue and General Fund. The plan is complete as of the end of 2017 and years 2018 - 2019 represent Richland's proposed contribution to wayfinding guide signage and entrance features within city limits.

PROJECT ASSUMPTIONS

Other regional partners will make similar contributions in other jurisdictions. A phasing plan has been developed in an effort to encourage a coordinated, regional implementation.

BENEFITS

Improve community image and tourist accessibility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	1,122,311	316,311	36,000	450,000	320,000	-	-	-	-
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,122,311	\$ 316,311	\$ 36,000	\$ 450,000	\$ 320,000	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/16	Authorized Budget Remaining in 2017	2018	2019	2020	2021	2022	2023
RE EXCISE TAX 1ST 1/4%	170,174	134,174	36,000	-	-	-	-	-	-
INDUSTRIAL DEVELOPMENT FUND	182,137	182,137	-	-	-	-	-	-	-
HOTEL/MOTEL-LODGING TAX	270,000	-	-	200,000	70,000	-	-	-	-
GENERAL FUND	500,000	-	-	250,000	250,000	-	-	-	-
TOTAL	\$ 1,122,311	\$ 316,311	\$ 36,000	\$ 450,000	\$ 320,000	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2018	2019	2020	2021	2022	2023
	18,000	-	-	3,000	3,000	3,000	3,000	3,000	3,000
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 18,000	-	-	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000

****FOR FINANCE STAFF USE ONLY** ALL 2018 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2018	CODING
CAPITAL ITEM	450,000	380-337-0066-594590-6403
TOTAL	\$ 450,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2018 ABOVE