

# CITY OF RICHLAND, WASHINGTON

## CAPITAL IMPROVEMENT PLAN 2016 TO 2030



**CAPITAL IMPROVEMENT PLAN  
FOR YEARS: 2016 - 2030  
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# Plan Overview

- Plan Overview and Explanation of Funding Sources
- Target Map
- Strategic Leadership Plan



## 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 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 CFP 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 1<sup>st</sup> and 2<sup>nd</sup> one-quarter percent)** accounts for proceeds from the one-half percent 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. REET 2nd one-quarter percent can only be used for development and rehabilitation. In 2011 the State Legislature expanded the uses of REET 1 and REET 2 to include maintenance and operations of existing capital projects. This amendment is temporary and will expire December 31, 2016.

**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.

**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.

**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.

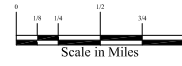
**Utility Rate Revenue** reflects the revenue from the sale of City Electric, Water, Wastewater, Solid Waste and Storm Water services to the citizens and businesses of Richland.

**\*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.

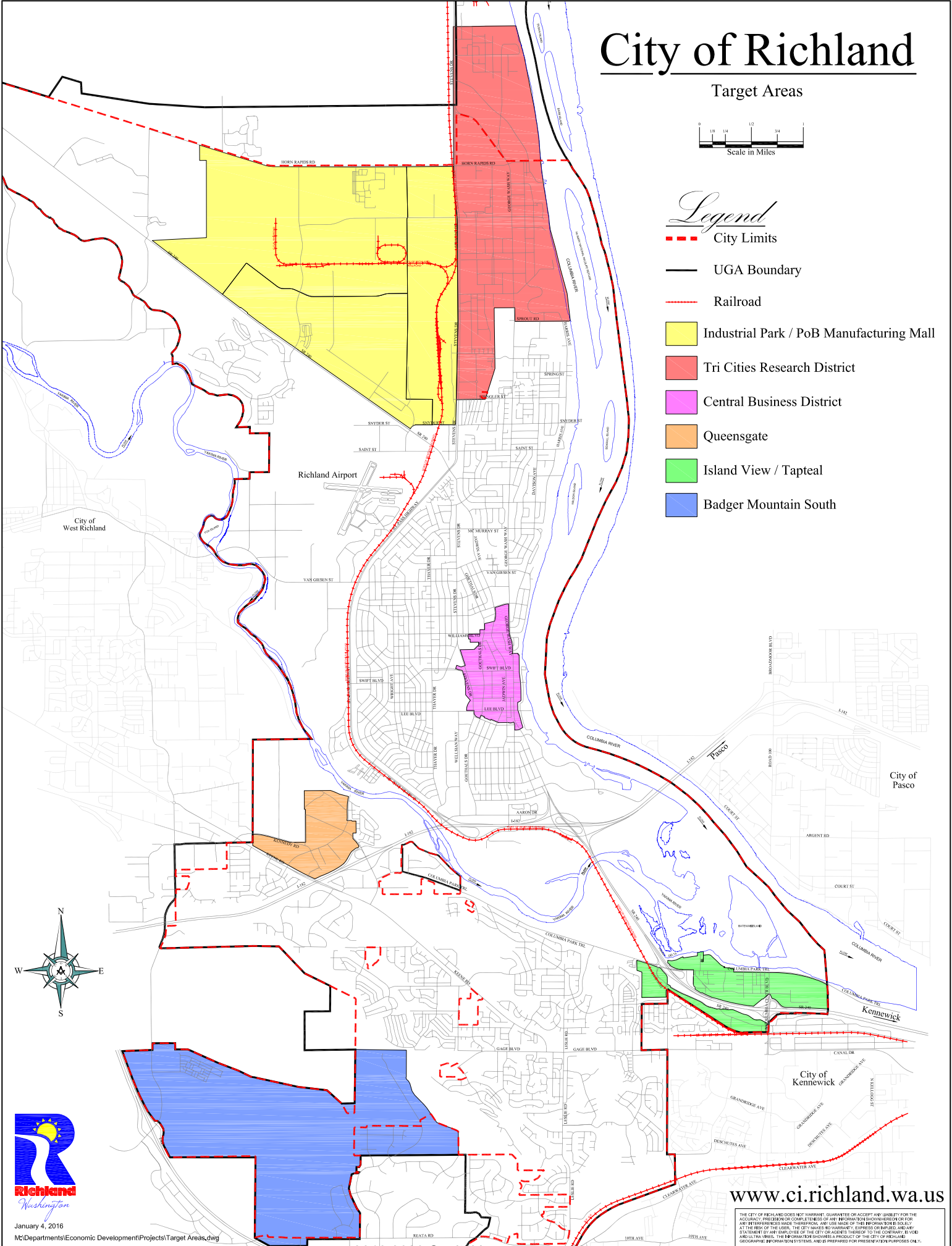
# City of Richland

## Target Areas



### Legend

- - - City Limits
- UGA Boundary
- - - Railroad
- Industrial Park / PoB Manufacturing Mall
- Tri Cities Research District
- Central Business District
- Queensgate
- Island View / Tapteal
- Badger Mountain South



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## Strategic Leadership Plan 5-year Goals for 2013 - 2017

### **Key 1: Financial Stability and Operational Effectiveness**

The City of Richland will effectively manage the financial resources our citizens provide for City government. Our staff will strive to deliver excellent services at the most reasonable cost. We will ensure that Richland residents receive great value for their tax dollars, and that City programs, services, and capital projects benefit the community as a whole. We recognize our citizens demand accountability and adaptability especially when evaluating / prioritizing non-essential services. Richland will be a leader in encouraging collaborative, community-wide efforts that contribute to our City's financial stability and sustainable growth. The City must remain flexible to ensure resources are available for the future. We strive for public trust and confidence.

Goal 1:	Implement and adopt the long-term fiscal management plan and accompanying policies, as needed, to ensure financial resources are available to achieve visioning 2030.
Goal 2:	Identify, refine and improve our methods of service delivery, through continuous process improvement and performance measures.
Goal 3:	Identify and implement collaboration with other public and private entities in order to achieve cost effective services.
Goal 4:	Become a municipal government leader in integrated technology.
Goal 5:	Develop a comprehensive human resource strategy.
Goal 6:	Develop and maintain the City's ability to prepare for, respond to, recover from, and mitigate against major emergencies and disasters, minimizing the loss of life and property, ensuring continuity of government, and facilitating rapid recovery.

### **Key 2: Infrastructure and Facilities**

Richland is a full-service City that operates and maintains a broad range of facilities and infrastructure, including several utilities, critical to meeting community needs. City growth is accompanied by the need for additional facilities and infrastructure that are in the best interest of the community. With limited Federal and State funding, we must balance the costs to provide, staff, and maintain these new assets with the demands of maintaining existing facilities and infrastructure.

Goal 1:	Plan and provide infrastructure and facilities essential to community growth.
Goal 2:	Maximize existing facility and infrastructure life through sustainable maintenance programs.
Goal 3:	Develop a comprehensive, yet realistic energy policies.
Goal 4:	Plan solid waste disposal facilities and programs to achieve the community's long-range fiscal and environmental priorities.

Council Approved: 6/5/12

**Key 3: Economic Vitality**

Economic vitality is a community’s capacity to be economically competitive, resilient, and attractive to private and public enterprise. This requires strength to withstand the ups and downs of an economic cycle. When times are good, Richland must be prepared to grow and prosper, and when times are hard, we want the reserves to ensure continued economic health. Richland also needs “energy,” -- that bustle of activity that thriving communities exhibit. Community energy attracts talent (people) and capital (business) to an area. To remain vital, Richland must grow its economy, diversify its capital, and attract and retain talent. An economically vital Richland will require a team effort between regional organizations, neighboring cities, ports, other public entities, and the private sector. Richland cannot exist as a robust island independent of its neighbors.

Goal 1:	Increase retail sales tax per capita by recruiting new retail development.
Goal 2:	Increase primary sector, non-Hanford employment in Richland.
Goal 3:	Create an environment that fosters the recruitment and retention of young talent within the Tri-Cities.
Goal 4:	Promote and facilitate greater access to reasonably priced, high-level broadband services to Richland business and residents
Goal 5:	Increase the non-residential property tax base by facilitating commercial and industrial development.

**Key 4: Targeted Investments**

The City will make strategic investments in targeted areas to help ensure achievement of the City goals and a vibrant future. Primary targets are the Research District, Energy Park, Central Business District, and Island View. The City will seek grant funding and partnerships to achieve maximum leverage on these investments.

Goal 1:	Implement the Central Business District and Swift Corridor Master Plans.
Goal 2:	Implement the Island View master plan.
Goal 3:	Support growth of the Research District that leads to increased private sector investment, job growth and technology innovation.
Goal 4:	Support the development of the Energy Park through collaboration with other participants.



**Key 5: Natural Resources Management**

Richland has significant natural resources that provide its citizens an exceptional quality of life. The City will develop strategies to identify and conserve these resources while balancing the realities of accommodating a growing community.

Goal 1:	Balance private and public interests in the preservation of identified natural and environmentally sensitive areas.
Goal 2:	The City will provide services that promote sustainable environmental stewardship; provide a healthy and satisfying work environment for its employees; and minimize its impact on the physical environment of the community.
Goal 3:	Protect and enhance the City's water resources.

**Key 6: Community Amenities**

The citizens of Richland have a deep affinity for their city, especially the vast array of community amenities, such as our library and parks system. They want it to be a community with distinct character and image; rich with quality amenities and programs that enhance the quality of life beyond the provision of core City services. Richland can highlight features and amenities that attract and excite residents and visitors. Enhanced community amenities will promote economic vitality and long-term sustainability. We envision that people are proud to say they live, work, play, and thrive in Richland.

Goal 1:	Identify and invest in local and regional cultural, recreational, leisure and educational amenities that enhance residents quality of life and promotes tourism.
Goal 2:	Create gateways, streetscapes, and public art features to enhance and beautify the City.
Goal 3:	Provide and maintain park and recreation facilities to meet the identified needs of the community.

**Key 7: Neighborhoods and Community Safety**

Neighborhoods and a sense of safety are the basic building blocks of our city. They are where we live, raise our families, and socialize with our friends and neighbors. We recognize that in many ways, our City is only as strong and safe as our neighborhoods. Our challenge is to generate a greater sense of community care and pride through prevention of neighborhood deterioration; providing a safe community; and connecting residents to cultural, entertainment, and employment opportunities located throughout the City.

Goal 1:	Promote enhanced levels of public safety, livability, and attractiveness of neighborhoods and commercial property.
Goal 2:	Create non-motorized connectivity features that link neighborhoods, civic facilities, employment centers, parks, and commercial centers.
Goal 3:	Develop a strategy for revitalization of deteriorating neighborhoods.

Council Approved: 6/5/12

# 2016 Projects

- Summary of 2016 Capital Improvement Projects and Funding Sources





# 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





# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
<b>2016</b>					
Dallas Rd Substation & Major Transmission Power Lines	Electric	ES130001	2	1	\$212,000
SE Richland Substation	Electric	ES130004	2	1	\$1,219,000
Smart Grid / Advanced Metering Infrastructure	Electric	ES130005	1	4	\$300,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$1,443,000
Line Extensions	Electric	ES130008	2	1	\$800,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	2	1	\$212,000
Renewals and Replacements	Electric	ES130010	2	2	\$2,781,000
Systems Improvements	Electric	ES130011	2	1	\$3,072,000
Animal Control Shelter	Municipal	MN130001	2	1	\$1,141,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$2,308,477
I.T. Strategic Program	Municipal	MN140017	1	4	\$479,320
ERP System (Financial Software)	Municipal	MN140018	1	4	\$250,000
Broadband Initiative	Municipal	MN150019	3	4	\$100,000
Badger Mountain Park - Dog Park	Parks	PR130001	6	3	\$135,000
Gala Park	Parks	PR130012	6	3	\$32,500
Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Ongoing Maintenance	Parks	PR140020	2	2	\$100,000
Parks Facilities Ongoing Maintenance	Parks	PR140021	2	2	\$100,000
Craighill Park	Parks	PR150019	6	3	\$50,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$125,000
Richardson Road Stormwater Retrofit	Stormwater	ST150007	2	2	\$116,667
Groundwater Contamination Management	Solid Waste	SW150007	2	2	\$50,000
Duportail Bridge	Transportation	TR130001	2	1	\$1,050,000
Center Parkway Construction	Transportation	TR130002	2	1	\$416,930
Pavement Management Program (Street Resurfacing)	Transportation	TR130003	2	2	\$1,205,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
South GWW Safety & Mobility Improvements	Transportation	TR130011	2	2	\$100,000
Vantage Highway Pathway - Phase 1	Transportation	TR130015	2	2	\$23,576
Steptoe Street / Tapteal Drive Intersection Improvements	Transportation	TR140017	2	1	\$80,000
Rachael Road Extension/Improvements	Transportation	TR140019	2	1	\$150,000
I-182 / Queensgate Drive Ramp Terminal Improvements	Transportation	TR150021	2	1	\$150,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$250,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$170,000
New South Richland Well Water Source	Water	WA130004	2	1	\$500,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	Water	WA130007	2	2	\$583,750
Yakima River Crossing Pipeline Replacement	Water	WA130008	2	1	\$331,250
Harrison Well Conversion	Water	WA150011	5	3	\$75,000
Waterfront Master Plan	Waterfront	WF140002	3	1	\$10,000
Swift Corridor Imprv/City Hall Replacement	Waterfront	WF140003	4	2	\$500,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$30,000
Park, Facility & Trail Signage	Waterfront	WF140009	6	3	\$25,000
Shoreline Enhancement and Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$180,000
Gateway Entrance Improvements	Waterfront	WF140012	6	2	\$36,000
Community Center Modernization	Waterfront	WF150014	6	1	\$45,000
Columbia Point Marina Park Field Lighting & Improvements	Waterfront	WF150015	2	2	\$280,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$300,000
Influent Upgrades	Wastewater	WW130003	2	2	\$100,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$635,000

**2016 Total: \$22,403,470**

### 2017

Dallas Rd Substation & Major Transmission Power Lines	Electric	ES130001	2	1	\$1,097,000
SE Richland Substation	Electric	ES130004	2	1	\$4,255,000
Smart Grid / Advanced Metering Infrastructure	Electric	ES130005	1	4	\$1,735,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$1,571,000
Line Extensions	Electric	ES130008	2	1	\$800,000
Renewals and Replacements	Electric	ES130010	2	2	\$1,766,000
Systems Improvements	Electric	ES130011	2	1	\$2,790,000
Fire Station 73 - Replacement Station	Municipal	MN130005	2	1	\$3,955,739
Equipment Replacement Program	Municipal	MN140016	1	4	\$3,175,529
I.T. Strategic Program	Municipal	MN140017	1	4	\$500,000
ERP System (Financial Software)	Municipal	MN140018	1	4	\$1,375,000
Tree Replacement	Parks	PR130016	6	3	\$20,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Municipal Facilities Ongoing Maintenance	Parks	PR140020	2	2	\$100,000
Parks Facilities Ongoing Maintenance	Parks	PR140021	2	2	\$200,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$125,000
Stormwater Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$270,000
Disposal Capacity Improvements	Solid Waste	SW130002	5	2	\$1,150,000
Duportail Bridge	Transportation	TR130001	2	1	\$4,527,000
Pavement Management Program (Street Resurfacing)	Transportation	TR130003	2	2	\$2,000,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
South GWW Safety & Mobility Improvements	Transportation	TR130011	2	2	\$200,000
Columbia Park Trail Improvements - East	Transportation	TR140016	2	1	\$150,000
Step toe Street / Tap teal Drive Intersection Improvements	Transportation	TR140017	2	1	\$50,000
I-182 / Queensgate Drive Ramp Terminal Improvements	Transportation	TR150021	2	1	\$2,700,000
Water Treatment Plant Site Acquisition	Water	WA130001	2	1	\$510,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$250,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$230,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	Water	WA130007	2	2	\$583,750
Yakima River Crossing Pipeline Replacement	Water	WA130008	2	1	\$2,327,051
Jefferson Park Irrigation Well	Water	WA150010	5	3	\$150,000
Waterfront Master Plan	Waterfront	WF140002	3	1	\$5,000
Swift Corridor Imprv/City Hall Replacement	Waterfront	WF140003	4	2	\$8,100,000
Columbia Playfield Improvements	Waterfront	WF140007	6	3	\$500,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$30,000
Park, Facility & Trail Signage	Waterfront	WF140009	6	3	\$25,000
Shoreline Enhancement and Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$108,000
Gateway Entrance Improvements	Waterfront	WF140012	6	2	\$36,000
Richland Public Library Makerspace	Waterfront	WF150016	2	2	\$200,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$720,000
Influent Upgrades	Wastewater	WW130003	2	2	\$1,900,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$380,000
<b>2017 Total:</b>					<b>\$50,697,069</b>

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Dallas Rd Substation & Major Transmission Power Lines	Electric	ES130001	2	1	\$1,098,000
SE Richland Substation	Electric	ES130004	2	1	\$923,000
Smart Grid / Advanced Metering Infrastructure	Electric	ES130005	1	4	\$2,735,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$199,000
Line Extensions	Electric	ES130008	2	1	\$800,000
Renewals and Replacements	Electric	ES130010	2	2	\$2,519,000
Systems Improvements	Electric	ES130011	2	1	\$4,375,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$4,162,640
I.T. Strategic Program	Municipal	MN140017	1	4	\$500,000
ERP System (Financial Software)	Municipal	MN140018	1	4	\$1,375,000
Hanford Legacy Park	Parks	PR130003	6	3	\$500,000
West Village Park at Badger Mountain South	Parks	PR130005	6	3	\$1,000,000
Drollinger Park	Parks	PR130007	6	3	\$60,000
Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Ongoing Maintenance	Parks	PR140020	2	2	\$100,000
Parks Facilities Ongoing Maintenance	Parks	PR140021	2	2	\$200,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$125,000
Disposal Capacity Improvements	Solid Waste	SW130002	5	2	\$6,710,000
Landfill Closure, Phase 2	Solid Waste	SW130003	2	1	\$200,000
Duportail Bridge	Transportation	TR130001	2	1	\$20,319,000
Pavement Management Program (Street Resurfacing)	Transportation	TR130003	2	2	\$2,500,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
South GWW Safety & Mobility Improvements	Transportation	TR130011	2	2	\$200,000
Columbia Park Trail Improvements - East	Transportation	TR140016	2	1	\$1,700,000
Steptoe Street / Tapteal Drive Intersection Improvements	Transportation	TR140017	2	1	\$1,700,000
Vantage Highway Pathway - Phase II	Transportation	TR140020	2	1	\$150,000
Stevens Drive Pathway	Transportation	TR150026	2	1	\$70,000
Water Treatment Plant Site Acquisition	Water	WA130001	2	1	\$530,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$375,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	Water	WA130007	2	2	\$625,000
Swift Corridor Imprv/City Hall Replacement	Waterfront	WF140003	4	2	\$8,180,000

2016-2030 Capital Improvement Plan





# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$270,000
Park, Facility & Trail Signage	Waterfront	WF140009	6	3	\$25,000
Shoreline Enhancement and Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$180,000
Gateway Entrance Improvements	Waterfront	WF140012	6	2	\$36,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$500,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$600,000
<b>2018 Total:</b>					<b>\$65,791,640</b>

<b>2019</b>					
Dallas Rd Substation & Major Transmission Power Lines	Electric	ES130001	2	1	\$3,581,000
SE Richland Substation	Electric	ES130004	2	1	\$816,000
Smart Grid / Advanced Metering Infrastructure	Electric	ES130005	1	4	\$2,830,000
Causeway Feeder to Wye Area	Electric	ES130006	2	1	\$836,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$1,094,000
Line Extensions	Electric	ES130008	2	1	\$800,000
Renewals and Replacements	Electric	ES130010	2	2	\$705,000
Systems Improvements	Electric	ES130011	2	1	\$2,219,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$3,946,732
I.T. Strategic Program	Municipal	MN140017	1	4	\$500,000
Hanford Legacy Park	Parks	PR130003	6	3	\$700,000
Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Ongoing Maintenance	Parks	PR140020	2	2	\$100,000
Parks Facilities Ongoing Maintenance	Parks	PR140021	2	2	\$200,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$125,000
Stormwater Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$270,000
Landfill Closure, Phase 2	Solid Waste	SW130003	2	1	\$3,350,000
Duportail Bridge	Transportation	TR130001	2	1	\$11,094,000
Pavement Management Program (Street Resurfacing)	Transportation	TR130003	2	2	\$3,000,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
South GWW Safety & Mobility Improvements	Transportation	TR130011	2	2	\$750,000
Queensgate Drive Extension	Transportation	TR140018	2	1	\$150,000
Rachael Road Extension/Improvements	Transportation	TR140019	2	1	\$400,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Vantage Highway Pathway - Phase II	Transportation	TR140020	2	1	\$520,000
Queensgate Drive / Columbia Park Trail Improvements	Transportation	TR150022	2	1	\$1,600,000
Bellerive Drive Extension	Transportation	TR150024	2	1	\$10,000
Queensgate Drive - Phase II	Transportation	TR150025	2	1	\$300,000
Stevens Drive Pathway	Transportation	TR150026	2	1	\$880,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$375,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
WTP Solids Handling Improvements	Water	WA130006	2	2	\$400,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	Water	WA130007	2	2	\$625,000
Swift Corridor Imprv/City Hall Replacement	Waterfront	WF140003	4	2	\$1,285,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$230,000
Park, Facility & Trail Signage	Waterfront	WF140009	6	3	\$25,000
Shoreline Enhancement and Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$150,000
Gateway Entrance Improvements	Waterfront	WF140012	6	2	\$36,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$500,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$600,000
<b>2019 Total:</b>					<b>\$45,252,732</b>
<b>2020</b>					
Dallas Rd Substation & Major Transmission Power Lines	Electric	ES130001	2	1	\$3,070,000
Kingsgate Substation (formerly N. Richland Substation)	Electric	ES130003	2	1	\$2,118,000
Line Extensions	Electric	ES130008	2	1	\$800,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	2	1	\$200,000
Renewals and Replacements	Electric	ES130010	2	2	\$840,000
Systems Improvements	Electric	ES130011	2	1	\$547,000
Equipment Storage and Maintenance Repair Shop	Electric	ES130012	2	1	\$636,000
Equipment Replacement Program	Municipal	MN140016	1	4	\$3,776,795
I.T. Strategic Program	Municipal	MN140017	1	4	\$500,000
Hanford Legacy Park	Parks	PR130003	6	3	\$500,000
Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Ongoing Maintenance	Parks	PR140020	2	2	\$100,000
Parks Facilities Ongoing Maintenance	Parks	PR140021	2	2	\$200,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

Project Name	Department	Project #	Key #	Goal #	Project Cost
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$125,000
Pavement Management Program (Street Resurfacing)	Transportation	TR130003	2	2	\$3,000,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
South GWW Safety & Mobility Improvements	Transportation	TR130011	2	2	\$6,644,502
Queensgate Drive Extension	Transportation	TR140018	2	1	\$898,850
Rachael Road Extension/Improvements	Transportation	TR140019	2	1	\$1,800,000
Gage Boulevard Improvements	Transportation	TR150023	2	1	\$75,000
Bellerive Drive Extension	Transportation	TR150024	2	1	\$10,000
Queensgate Drive - Phase II	Transportation	TR150025	2	1	\$500,000
Vantage Highway Pathway - Phase III	Transportation	TR150027	2	1	\$50,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$375,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	Water	WA130007	2	2	\$625,000
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$270,000
Park, Facility & Trail Signage	Waterfront	WF140009	6	3	\$25,000
Shoreline Enhancement and Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$150,000
Gateway Entrance Improvements	Waterfront	WF140012	6	2	\$36,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$500,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$600,000
				<b>2020 Total:</b>	<b>\$29,222,147</b>
<b>2021</b>					
Kingsgate Substation (formerly N. Richland Substation)	Electric	ES130003	2	1	\$2,118,000
Electrical Substation Improvements	Electric	ES130007	2	1	\$2,120,000
Line Extensions	Electric	ES130008	2	1	\$800,000
Purchase Southwest Service Area Infrastructure	Electric	ES130009	2	1	\$600,000
Renewals and Replacements	Electric	ES130010	2	2	\$535,000
Systems Improvements	Electric	ES130011	2	1	\$898,000
Fire Station - Badger Mountain South	Municipal	MN130007	2	1	\$4,530,899
Equipment Replacement Program	Municipal	MN140016	1	4	\$33,814,207
I.T. Strategic Program	Municipal	MN140017	1	4	\$5,000,000
Badger Mountain Park - Dog Park	Parks	PR130001	6	3	\$1,500,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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2016 thru 2030 (\$ To-Date Costs and Budget Remaining Not Included)

## All Project Costs by Year

2016-2030 Capital Improvement Plan

Project Name	Department	Project #	Key #	Goal #	Project Cost
Hanford Legacy Park	Parks	PR130003	6	3	\$700,000
West Village Park at Badger Mountain South	Parks	PR130005	6	3	\$600,000
Tree Replacement	Parks	PR130016	6	3	\$20,000
Municipal Facilities Ongoing Maintenance	Parks	PR140020	2	2	\$400,000
Parks Facilities Ongoing Maintenance	Parks	PR140021	2	2	\$200,000
Stormwater Rehabilitation & Replacement	Stormwater	ST130001	2	2	\$125,000
Stormwater Water Quality Retrofit Program	Stormwater	ST130006	2	2	\$270,000
Pavement Management Program (Street Resurfacing)	Transportation	TR130003	2	2	\$3,000,000
ADA Compliance / Sidewalk Repairs Program	Transportation	TR130004	2	2	\$100,000
Gage Boulevard Improvements	Transportation	TR150023	2	1	\$750,000
Bellerive Drive Extension	Transportation	TR150024	2	1	\$50,000
Queensgate Drive - Phase II	Transportation	TR150025	2	1	\$2,600,000
Vantage Highway Pathway - Phase III	Transportation	TR150027	2	1	\$550,000
Distribution System Repairs & Replacement	Water	WA130002	2	2	\$375,000
Irrigation Utility Capital Improvements	Water	WA130003	2	1	\$100,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	Water	WA130007	2	2	\$625,000
Fire Station 71 - Replacement Station	Waterfront	WF140004	2	1	\$3,679,704
John Dam Plaza Improvements	Waterfront	WF140008	6	3	\$230,000
Park, Facility & Trail Signage	Waterfront	WF140009	6	3	\$25,000
Shoreline Enhancement and Deferred Maintenance	Waterfront	WF140010	5	3	\$30,000
Howard Amon Park:Riverfront Trail & Beach Restoration	Waterfront	WF140011	6	3	\$150,000
Collection System Renewal & Replacement	Wastewater	WW130001	2	2	\$500,000
Wastewater Treatment Facility Renewal & Replacement	Wastewater	WW130006	2	2	\$600,000
<b>2021 Total:</b>					<b>\$67,595,810</b>
<b>2023</b>					
Hanford Substation	Electric	ES130002	2	1	\$4,300,000
<b>2023 Total:</b>					<b>\$4,300,000</b>
<b>2025</b>					
Fire Station - Horn Rapids Area	Municipal	MN130009	2	1	\$5,721,342
<b>2025 Total:</b>					<b>\$5,721,342</b>
<b>Report Total:</b>					<b>\$290,984,210</b>



# Capital Improvement Plan

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## Summary - Project Costs by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Electric</b>		0	6,287,000	10,039,000	14,014,000	12,649,000	12,881,000	8,211,000	11,371,000	75,452,000
<b>Municipal</b>		2,076,642	1,453,078	4,278,797	9,006,268	6,037,640	4,446,732	4,276,795	49,066,448	80,642,400
<b>Parks</b>		2,170,539	588,387	437,500	320,000	1,880,000	1,020,000	820,000	3,420,000	10,656,426
<b>Solid Waste</b>		0	200,000	50,000	1,150,000	6,910,000	3,350,000	0	0	11,660,000
<b>Stormwater</b>		1,674,708	135,383	241,667	395,000	125,000	395,000	125,000	395,000	3,486,758
<b>Transportation</b>		20,246,681	8,743,313	3,275,506	9,727,000	26,739,000	18,804,000	13,078,352	7,050,000	107,663,852
<b>Wastewater</b>		10,849,175	2,902,381	1,035,000	3,000,000	1,100,000	1,100,000	1,100,000	1,100,000	22,186,556
<b>Water</b>		30,161,070	3,999,217	1,910,000	4,050,801	1,630,000	1,500,000	1,100,000	1,100,000	45,451,088
<b>Waterfront</b>		1,668,785	2,543,429	1,136,000	9,034,000	8,721,000	1,756,000	511,000	4,114,704	29,484,918
<b>Report Total:</b>		<b>68,847,600</b>	<b>26,852,188</b>	<b>22,403,470</b>	<b>50,697,069</b>	<b>65,791,640</b>	<b>45,252,732</b>	<b>29,222,147</b>	<b>77,617,152</b>	<b>386,683,998</b>

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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## Detail - Project Costs by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Electric</b>										
Causeway Feeder to Wye Area	ES130006	0	0	0	0	0	836,000	0	0	836,000
Dallas Rd Substation & Major Transmission Power Lines	ES130001	0	0	212,000	1,097,000	1,098,000	3,581,000	3,070,000	0	9,058,000
Electrical Substation Improvements	ES130007	0	0	1,443,000	1,571,000	199,000	1,094,000	0	2,120,000	6,427,000
Equipment Storage and Maintenance Repair Shop	ES130012	0	0	0	0	0	0	636,000	0	636,000
Hanford Substation	ES130002	0	0	0	0	0	0	0	4,300,000	4,300,000
Kingsgate Substation (formerly N. Richland Substation)	ES130003	0	0	0	0	0	0	2,118,000	2,118,000	4,236,000
Line Extensions	ES130008	0	800,000	800,000	800,000	800,000	800,000	800,000	800,000	5,600,000
Purchase Southwest Service Area Infrastructure	ES130009	0	150,000	212,000	0	0	0	200,000	600,000	1,162,000
Renewals and Replacements	ES130010	0	1,606,000	2,781,000	1,766,000	2,519,000	705,000	840,000	535,000	10,752,000
SE Richland Substation	ES130004	0	1,431,000	1,219,000	4,255,000	923,000	816,000	0	0	8,644,000
Smart Grid / Advanced Metering Infrastructure	ES130005	0	0	300,000	1,735,000	2,735,000	2,830,000	0	0	7,600,000
Systems Improvements	ES130011	0	2,300,000	3,072,000	2,790,000	4,375,000	2,219,000	547,000	898,000	16,201,000
<b>Electric Total:</b>		<b>0</b>	<b>6,287,000</b>	<b>10,039,000</b>	<b>14,014,000</b>	<b>12,649,000</b>	<b>12,881,000</b>	<b>8,211,000</b>	<b>11,371,000</b>	<b>75,452,000</b>
<b>Municipal</b>										
Animal Control Shelter	MN130001	100,000	0	1,141,000	0	0	0	0	0	1,241,000
Broadband Initiative	MN150019	0	0	100,000	0	0	0	0	0	100,000
Equipment Replacement Program	MN140016	1,976,642	1,153,078	2,308,477	3,175,529	4,162,640	3,946,732	3,776,795	33,814,207	54,314,100
ERP System (Financial Software)	MN140018	0	0	250,000	1,375,000	1,375,000	0	0	0	3,000,000
Fire Station - Badger Mountain South	MN130007	0	0	0	0	0	0	0	4,530,899	4,530,899
Fire Station - Horn Rapids Area	MN130009	0	0	0	0	0	0	0	5,721,342	5,721,342
Fire Station 73 - Replacement Station	MN130005	0	0	0	3,955,739	0	0	0	0	3,955,739
I.T. Strategic Program	MN140017	0	300,000	479,320	500,000	500,000	500,000	500,000	5,000,000	7,779,320
<b>Municipal Total:</b>		<b>2,076,642</b>	<b>1,453,078</b>	<b>4,278,797</b>	<b>9,006,268</b>	<b>6,037,640</b>	<b>4,446,732</b>	<b>4,276,795</b>	<b>49,066,448</b>	<b>80,642,400</b>
<b>Parks</b>										
Badger Mountain Park - Dog Park	PR130001	0	0	135,000	0	0	0	0	1,500,000	1,635,000
Craighill Park	PR150019	0	0	50,000	0	0	0	0	0	50,000
Drollinger Park	PR130007	16,000	44,000	0	0	60,000	0	0	0	120,000
Gala Park	PR130012	280,886	30,000	32,500	0	0	0	0	0	343,386
Hanford Legacy Park	PR130003	747,541	0	0	0	500,000	700,000	500,000	700,000	3,147,541
Municipal Facilities Ongoing Maintenance	PR140020	1,106,112	454,387	100,000	100,000	100,000	100,000	100,000	400,000	2,460,499
Parks Facilities Ongoing Maintenance	PR140021	0	40,000	100,000	200,000	200,000	200,000	200,000	200,000	1,140,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

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## Detail - Project Costs by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
Tree Replacement	PR130016	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	160,000
West Village Park at Badger Mountain South	PR130005	0	0	0	0	1,000,000	0	0	600,000	1,600,000
	<b>Parks Total:</b>	<b>2,170,539</b>	<b>588,387</b>	<b>437,500</b>	<b>320,000</b>	<b>1,880,000</b>	<b>1,020,000</b>	<b>820,000</b>	<b>3,420,000</b>	<b>10,656,426</b>
<b>Solid Waste</b>										
Disposal Capacity Improvements	SW130002	0	200,000	0	1,150,000	6,710,000	0	0	0	8,060,000
Groundwater Contamination Management	SW150007	0	0	50,000	0	0	0	0	0	50,000
Landfill Closure, Phase 2	SW130003	0	0	0	0	200,000	3,350,000	0	0	3,550,000
	<b>Solid Waste Total:</b>	<b>0</b>	<b>200,000</b>	<b>50,000</b>	<b>1,150,000</b>	<b>6,910,000</b>	<b>3,350,000</b>	<b>0</b>	<b>0</b>	<b>11,660,000</b>
<b>Stormwater</b>										
Richardson Road Stormwater Retrofit	ST150007	0	0	116,667	0	0	0	0	0	116,667
Stormwater Rehabilitation & Replacement	ST130001	879,708	135,383	125,000	125,000	125,000	125,000	125,000	125,000	1,765,091
Stormwater Water Quality Retrofit Program	ST130006	795,000	0	0	270,000	0	270,000	0	270,000	1,605,000
	<b>Stormwater Total:</b>	<b>1,674,708</b>	<b>135,383</b>	<b>241,667</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>3,486,758</b>
<b>Transportation</b>										
ADA Compliance / Sidewalk Repairs Program	TR130004	238,854	308,187	100,000	100,000	100,000	100,000	100,000	100,000	1,147,041
Bellerive Drive Extension	TR150024	0	0	0	0	0	10,000	10,000	50,000	70,000
Center Parkway Construction	TR130002	2,731,838	2,289,440	416,930	0	0	0	0	0	5,438,208
Columbia Park Trail Improvements - East	TR140016	0	0	0	150,000	1,700,000	0	0	0	1,850,000
Duportail Bridge	TR130001	2,226,900	1,234,661	1,050,000	4,527,000	20,319,000	11,094,000	0	0	40,451,561
Duportail Street Extension	TR130005	450,000	1,952,280	0	0	0	0	0	0	2,402,280
Duportail Street Reconstruction	TR130006	225,000	1,142,610	0	0	0	0	0	0	1,367,610
Gage Boulevard Improvements	TR150023	0	0	0	0	0	0	75,000	750,000	825,000
I-182 / Queensgate Drive Ramp Terminal Improvements	TR150021	0	0	150,000	2,700,000	0	0	0	0	2,850,000
Pavement Management Program (Street Resurfacing)	TR130003	14,270,110	1,270,234	1,205,000	2,000,000	2,500,000	3,000,000	3,000,000	3,000,000	30,245,344
Queensgate Drive - Phase II	TR150025	0	0	0	0	0	300,000	500,000	2,600,000	3,400,000
Queensgate Drive / Columbia Park Trail Improvements	TR150022	0	0	0	0	0	1,600,000	0	0	1,600,000
Queensgate Drive Extension	TR140018	51,150	0	0	0	0	150,000	898,850	0	1,100,000
Queensgate Pathway	TR130008	0	125,470	0	0	0	0	0	0	125,470
Rachael Road Extension/Improvements	TR140019	0	0	150,000	0	0	400,000	1,800,000	0	2,350,000
South GWW Safety & Mobility Improvements	TR130011	52,829	100,007	100,000	200,000	200,000	750,000	6,644,502	0	8,047,338
Steptoe Street / Tapteal Drive Intersection Improvements	TR140017	0	0	80,000	50,000	1,700,000	0	0	0	1,830,000
Stevens Drive Pathway	TR150026	0	0	0	0	70,000	880,000	0	0	950,000
Vantage Highway Pathway - Phase 1	TR130015	0	320,424	23,576	0	0	0	0	0	344,000

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## Detail - Project Costs by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
Vantage Highway Pathway - Phase II	TR140020	0	0	0	0	150,000	520,000	0	0	670,000
Vantage Highway Pathway - Phase III	TR150027	0	0	0	0	0	0	50,000	550,000	600,000
<b>Transportation Total:</b>		<b>20,246,681</b>	<b>8,743,313</b>	<b>3,275,506</b>	<b>9,727,000</b>	<b>26,739,000</b>	<b>18,804,000</b>	<b>13,078,352</b>	<b>7,050,000</b>	<b>107,663,852</b>
<b>Wastewater</b>										
Collection System Renewal & Replacement	WW130001	7,757,532	560,655	300,000	720,000	500,000	500,000	500,000	500,000	11,338,187
Influent Upgrades	WW130003	0	0	100,000	1,900,000	0	0	0	0	2,000,000
Solids Upgrade	WW130005	1,800,000	1,000,000	0	0	0	0	0	0	2,800,000
Wastewater Treatment Facility Renewal & Replacement	WW130006	1,291,643	1,341,726	635,000	380,000	600,000	600,000	600,000	600,000	6,048,369
<b>Wastewater Total:</b>		<b>10,849,175</b>	<b>2,902,381</b>	<b>1,035,000</b>	<b>3,000,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>22,186,556</b>
<b>Water</b>										
Distribution System Repairs & Replacement	WA130002	28,341,475	619,418	250,000	250,000	375,000	375,000	375,000	375,000	30,960,893
Harrison Well Conversion	WA150011	0	0	75,000	0	0	0	0	0	75,000
Irrigation Utility Capital Improvements	WA130003	886,358	552,815	170,000	230,000	100,000	100,000	100,000	100,000	2,239,173
Jason Lee Elementary School Irrigation Well	WA140009	0	150,000	0	0	0	0	0	0	150,000
Jefferson Park Irrigation Well	WA150010	0	0	0	150,000	0	0	0	0	150,000
New South Richland Well Water Source	WA130004	52,700	1,144,500	500,000	0	0	0	0	0	1,697,200
Water System Plan Update	WA150012	0	200,000	0	0	0	0	0	0	200,000
Water Treatment Plant Site Acquisition	WA130001	120,000	0	0	510,000	530,000	0	0	0	1,160,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	WA130007	760,537	1,322,484	583,750	583,750	625,000	625,000	625,000	625,000	5,750,521
WTP Solids Handling Improvements	WA130006	0	0	0	0	0	400,000	0	0	400,000
Yakima River Crossing Pipeline Replacement	WA130008	0	10,000	331,250	2,327,051	0	0	0	0	2,668,301
<b>Water Total:</b>		<b>30,161,070</b>	<b>3,999,217</b>	<b>1,910,000</b>	<b>4,050,801</b>	<b>1,630,000</b>	<b>1,500,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>45,451,088</b>
<b>Waterfront</b>										
Columbia Playfield Improvements	WF140007	931,775	109,183	0	500,000	0	0	0	0	1,540,958
Columbia Point Marina Park Field Lighting & Improvements	WF150015	0	0	280,000	0	0	0	0	0	280,000
Community Center Modernization	WF150014	0	0	45,000	0	0	0	0	0	45,000
Fire Station 71 - Replacement Station	WF140004	0	0	0	0	0	0	0	3,679,704	3,679,704
Gateway Entrance Improvements	WF140012	190,826	98,174	36,000	36,000	36,000	36,000	36,000	0	469,000
Howard Amon Park:Riverfront Trail & Beach Restoration	WF140011	0	0	180,000	108,000	180,000	150,000	150,000	150,000	918,000
John Dam Plaza Improvements	WF140008	309,555	786,496	30,000	30,000	270,000	230,000	270,000	230,000	2,156,051
Park, Facility & Trail Signage	WF140009	45,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	220,000
Richland Public Library Makerspace	WF150016	0	0	0	200,000	0	0	0	0	200,000
Shoreline Enhancement and Deferred Maintenance	WF140010	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	240,000
Swift Corridor Imprv/City Hall Replacement	WF140003	161,629	1,204,576	500,000	8,100,000	8,180,000	1,285,000	0	0	19,431,205

2016-2030 Capital Improvement Plan





# Capital Improvement Plan

2016 thru 2030

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FIN-BUD-CIP-002-

## Detail - Project Costs by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
Waterfront Master Plan	WF140002	0	90,000	10,000	5,000	0	0	0	0	105,000
Waterfront Redevelopment Planning Study	WF140001	0	200,000	0	0	0	0	0	0	200,000
<b>Waterfront Total:</b>		<b>1,668,785</b>	<b>2,543,429</b>	<b>1,136,000</b>	<b>9,034,000</b>	<b>8,721,000</b>	<b>1,756,000</b>	<b>511,000</b>	<b>4,114,704</b>	<b>29,484,918</b>
<b>Report Total:</b>		<b>68,847,600</b>	<b>26,852,188</b>	<b>22,403,470</b>	<b>50,697,069</b>	<b>65,791,640</b>	<b>45,252,732</b>	<b>29,222,147</b>	<b>77,617,152</b>	<b>386,683,998</b>



# Capital Improvement Plan

2016 thru 2030

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FIN-BUD-CIP-002-

## Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Electric</b>										
Benton PUD Contributions		0	0	250,000	500,000	100,000	100,000	0	0	950,000
Electric Rate Revenue		0	2,387,000	3,274,000	4,143,000	4,862,000	7,687,000	7,211,000	5,071,000	34,635,000
Facility Fees		0	600,000	600,000	700,000	698,000	900,000	1,000,000	1,800,000	6,298,000
Grant		0	0	0	0	500,000	0	0	0	500,000
Revenue Bond Issue		0	3,300,000	5,915,000	8,671,000	6,489,000	4,194,000	0	4,500,000	33,069,000
<b>Electric Total:</b>		<b>0</b>	<b>6,287,000</b>	<b>10,039,000</b>	<b>14,014,000</b>	<b>12,649,000</b>	<b>12,881,000</b>	<b>8,211,000</b>	<b>11,371,000</b>	<b>75,452,000</b>
<b>Municipal</b>										
Criminal Justice Fund		0	174,000	0	0	0	194,880	0	656,611	1,025,491
Donations		0	0	0	3,955,739	0	0	0	0	3,955,739
Electric Fund		607,272	97,800	745,470	737,731	1,224,041	727,710	853,295	4,881,236	9,874,555
Equipment Maint Fund		0	0	0	133,357	81,753	0	10,000	237,642	462,752
General Fund		755,438	585,178	1,220,073	2,111,875	1,457,710	1,425,094	1,527,182	14,682,692	23,765,242
Industrial Development Fund		0	0	100,000	0	0	0	0	0	100,000
Medical Services Fund		169,225	135,100	6,211	161,875	161,875	138,500	64,368	1,624,626	2,461,780
PW Admin & Engineering		28,014	0	0	0	108,237	0	96,515	462,565	695,331
Solid Waste Fund		87,645	329,600	559,134	1,159,875	2,117,959	1,217,500	838,215	8,430,526	14,740,454
Stormwater Fund		217,030	5,400	6,577	33,750	33,750	250,044	9,000	1,809,253	2,364,804
Unfunded		0	0	841,000	0	0	0	0	10,252,241	11,093,241
Wastewater Fund		56,393	51,800	585,322	255,412	302,550	323,465	584,614	3,122,479	5,282,035
Water Fund		155,625	74,200	215,010	456,654	549,765	169,539	293,606	2,906,577	4,820,976
<b>Municipal Total:</b>		<b>2,076,642</b>	<b>1,453,078</b>	<b>4,278,797</b>	<b>9,006,268</b>	<b>6,037,640</b>	<b>4,446,732</b>	<b>4,276,795</b>	<b>49,066,448</b>	<b>80,642,400</b>
<b>Parks</b>										
CDBG Funds		0	0	50,000	0	0	0	0	0	50,000
Donations		0	0	35,000	0	0	0	0	0	35,000
Electric Fund		0	84,250	33,700	33,700	33,700	33,700	33,700	33,700	286,450
General Fund		1,106,112	365,887	138,900	38,900	38,900	38,900	38,900	38,900	1,805,399
Grant		0	0	0	0	500,000	500,000	0	1,000,000	2,000,000
Hotel/Motel-Lodging Funds		737,541	0	0	0	500,000	0	500,000	0	1,737,541
Library Capital Reserve (Gen Fund)		0	0	0	0	0	0	0	300,000	300,000
Medical Services Fund		0	0	1,700	1,700	1,700	1,700	1,700	1,700	10,200
Parks Reserve Fund		0	0	0	0	0	0	0	200,000	200,000
Parks Reserve Fund (Undesignated)		10,000	29,000	0	0	0	0	0	0	39,000
Parks Reserve-Park District 3		16,000	15,000	0	0	60,000	0	0	0	91,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

2016 thru 2030

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FIN-BUD-CIP-002-

## Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
Parks Reserve-Park District 4		0	0	0	0	500,000	0	0	600,000	1,100,000
Parks Reserve-Park District 5		280,886	30,000	132,500	0	0	0	0	100,000	543,386
REET-RE Excise Tax 1st 1/4%		0	0	20,000	0	0	200,000	0	200,000	420,000
Solid Waste Fund		0	6,250	2,500	2,500	2,500	2,500	2,500	2,500	21,250
Stormwater Fund		0	4,500	1,800	1,800	1,800	1,800	1,800	1,800	15,300
Unfunded		0	0	0	220,000	220,000	220,000	220,000	920,000	1,800,000
Wastewater Fund		0	21,500	8,600	8,600	8,600	8,600	8,600	8,600	73,100
Water Fund		0	32,000	12,800	12,800	12,800	12,800	12,800	12,800	108,800
WCIA Insurance Settlement Pmt		20,000	0	0	0	0	0	0	0	20,000
<b>Parks Total:</b>		<b>2,170,539</b>	<b>588,387</b>	<b>437,500</b>	<b>320,000</b>	<b>1,880,000</b>	<b>1,020,000</b>	<b>820,000</b>	<b>3,420,000</b>	<b>10,656,426</b>
<b>Solid Waste</b>										
Revenue Bond Issue		0	0	0	1,150,000	6,710,000	0	0	0	7,860,000
Solid Waste Fund (Rsv for closure)		0	0	0	0	200,000	3,350,000	0	0	3,550,000
Solid Waste Rate Revenue		0	200,000	50,000	0	0	0	0	0	250,000
<b>Solid Waste Total:</b>		<b>0</b>	<b>200,000</b>	<b>50,000</b>	<b>1,150,000</b>	<b>6,910,000</b>	<b>3,350,000</b>	<b>0</b>	<b>0</b>	<b>11,660,000</b>
<b>Stormwater</b>										
Grant		795,000	0	87,500	0	0	0	0	0	882,500
Grant Funds (Unsecured)		0	0	0	200,000	0	200,000	0	200,000	600,000
Port of Benton		0	0	29,167	0	0	0	0	0	29,167
Stormwater Rate Revenue		879,708	135,383	125,000	195,000	125,000	195,000	125,000	195,000	1,975,091
<b>Stormwater Total:</b>		<b>1,674,708</b>	<b>135,383</b>	<b>241,667</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>3,486,758</b>
<b>Transportation</b>										
2013 BFCOG STP Funding Dist		4,424	1,043,684	0	0	0	0	0	0	1,048,108
Bond Proceeds		0	0	0	417,000	3,869,000	3,714,000	0	0	8,000,000
Business License Reserve Fund		0	0	25,700	25,000	25,000	25,000	25,000	25,000	150,700
CDBG Funds		86,455	289,760	64,300	65,000	65,000	65,000	65,000	65,000	765,515
City of Kennewick (RR Negotiation)		1,070,278	0	0	0	0	0	0	0	1,070,278
Developer Contribution (ROW)		0	136,000	0	0	0	0	0	0	136,000
Federal Appropriation (2013 Budget)		325,383	0	0	0	0	0	0	0	325,383
General Fund		806,434	1,018,920	368,000	930,000	930,000	930,000	930,000	930,000	6,843,354
Grant		1,238,338	3,532,008	0	3,170,000	12,450,000	6,380,000	0	0	26,770,346
Grant - STP - Urban		524,990	0	0	0	0	0	0	0	524,990
Grant Funds (Unsecured)		0	204,739	416,930	3,400,000	5,975,829	3,053,800	6,357,377	1,198,750	20,607,425
Impact Fees		51,150	0	300,000	0	0	880,000	2,680,850	0	3,912,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

2016 thru 2030

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## Summary - Funding Sources by Department/Year

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
Industrial Development Fund		500,000	0	0	0	0	0	0	0	500,000
LTGO 98 Fund		715,000	0	0	0	0	0	0	0	715,000
Private Partner		0	0	40,000	0	0	0	0	0	40,000
Public Works Trust Fund Loan		750,000	0	0	0	0	0	0	0	750,000
REET-RE Excise Tax 1st 1/4%		621,299	208,562	50,000	10,000	44,171	486,200	230,125	101,250	1,751,607
REET-RE Excise Tax 2nd 1/4%		3,050,064	355,000	473,576	450,000	340,000	310,000	510,000	310,000	5,798,640
Solid Waste Closure		0	0	1,000,000	440,000	0	0	0	0	1,440,000
STP Fund (Secured-COG)		57,158	1,798,842	0	0	0	0	0	0	1,856,000
Street Fund - Fuel Tax		1,665,957	142,291	0	0	0	0	0	0	1,808,248
Street Fund - Utility Charges		2,664,017	0	0	0	0	0	0	0	2,664,017
Street Fund - Utility Occupation Tax		6,129,241	0	0	0	0	0	0	0	6,129,241
Streets M&O Fund		0	0	537,000	0	0	0	0	0	537,000
Unfunded		0	0	0	820,000	3,040,000	2,960,000	2,280,000	4,420,000	13,520,000
<b>Transportation Total:</b>		<b>20,260,188</b>	<b>8,729,806</b>	<b>3,275,506</b>	<b>9,727,000</b>	<b>26,739,000</b>	<b>18,804,000</b>	<b>13,078,352</b>	<b>7,050,000</b>	<b>107,663,852</b>
<b>Wastewater</b>										
Facility Fees		900,000	500,000	50,000	950,000	0	0	0	0	2,400,000
Wastewater Rate Revenue		9,949,175	2,402,381	985,000	2,050,000	1,100,000	1,100,000	1,100,000	1,100,000	19,786,556
<b>Wastewater Total:</b>		<b>10,849,175</b>	<b>2,902,381</b>	<b>1,035,000</b>	<b>3,000,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>22,186,556</b>
<b>Water</b>										
City of Kennewick		0	0	0	200,000	220,000	0	0	0	420,000
City of West Richland		0	0	0	110,000	110,000	0	0	0	220,000
Facility Fees		207,700	1,169,500	702,500	392,500	200,000	0	0	0	2,672,200
General Fund		0	10,000	0	0	0	0	0	0	10,000
Grant		503,000	0	0	0	0	0	0	0	503,000
Grant Funds (Unsecured)		0	0	0	1,993,301	0	0	0	0	1,993,301
Irrigation Utility Rate Revenue		83,358	577,815	207,500	255,000	100,000	100,000	100,000	100,000	1,523,673
Parks Reserve Fund		0	50,000	0	0	0	0	0	0	50,000
Parks Reserve Fund (Undesignated)		0	0	0	50,000	0	0	0	0	50,000
Public Works Trust Fund Loan		15,525,414	0	0	0	0	0	0	0	15,525,414
Revenue Bond Issue		803,000	0	0	0	0	400,000	0	0	1,203,000
Revenue Bond Proceeds		4,388,250	0	0	0	0	0	0	0	4,388,250
Richland School District		0	50,000	0	50,000	0	0	0	0	100,000
Water Facility Fees		0	100,000	0	0	0	0	0	0	100,000

2016-2030 Capital Improvement Plan



# Capital Improvement Plan

2016 thru 2030

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## Summary - Funding Sources by Department/Year

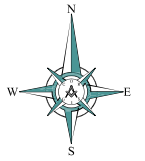
Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
Water Rate Revenue		8,650,348	2,041,902	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	16,692,250
	<b>Water Total:</b>	<b>30,161,070</b>	<b>3,999,217</b>	<b>1,910,000</b>	<b>4,050,801</b>	<b>1,630,000</b>	<b>1,500,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>45,451,088</b>
<b>Waterfront</b>										
Bond Proceeds		0	0	0	8,100,000	8,100,000	0	0	0	16,200,000
Business License Reserve Fund		44,555	64,496	48,000	58,000	100,000	1,335,000	90,000	50,000	1,790,051
Criminal Justice Fund		0	0	20,000	0	0	0	0	0	20,000
Donations		0	30,000	30,000	60,000	30,000	30,000	30,000	30,000	240,000
General Fund		205,000	56,000	10,000	0	0	0	0	0	271,000
Grant		771,775	259,183	140,000	400,000	0	0	0	0	1,570,958
Grant Funds (Unsecured)		0	0	0	0	80,000	0	0	0	80,000
Hotel/Motel-Lodging Funds		0	600,000	70,000	50,000	60,000	50,000	50,000	50,000	930,000
Land Sales		111,205	0	0	0	0	0	0	0	111,205
Lease		0	0	0	0	0	0	0	2,475,000	2,475,000
Library Capital Reserve (Gen Fund)		0	0	0	100,000	0	0	0	0	100,000
Library Const. Fund		250,000	0	0	0	0	0	0	0	250,000
Library Foundation		0	0	0	70,000	0	0	0	0	70,000
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		0	0	0	0	0	0	0	0	0
Parks Reserve Fund (Undesignated)		85,000	142,000	50,000	50,000	50,000	50,000	50,000	50,000	527,000
Private Funding		0	50,000	0	100,000	0	0	0	0	150,000
REET-RE Excise Tax 1st 1/4%		445,826	103,174	268,000	41,000	301,000	291,000	291,000	713,062	2,454,062
Right-of-Way Sale (Secured)		160,000	0	0	0	0	0	0	0	160,000
Unfunded		0	34,000	0	5,000	0	0	0	746,642	785,642
Utility Occ Tax Increase		0	0	500,000	0	0	0	0	0	500,000
	<b>Waterfront Total:</b>	<b>2,873,361</b>	<b>1,338,853</b>	<b>1,136,000</b>	<b>9,034,000</b>	<b>8,721,000</b>	<b>1,756,000</b>	<b>511,000</b>	<b>4,114,704</b>	<b>29,484,918</b>
	<b>Report Total:</b>	<b>70,065,683</b>	<b>25,634,105</b>	<b>22,403,470</b>	<b>50,697,069</b>	<b>65,791,640</b>	<b>45,252,732</b>	<b>29,222,147</b>	<b>77,617,152</b>	<b>386,683,998</b>

2016-2030 Capital Improvement Plan









# Electric

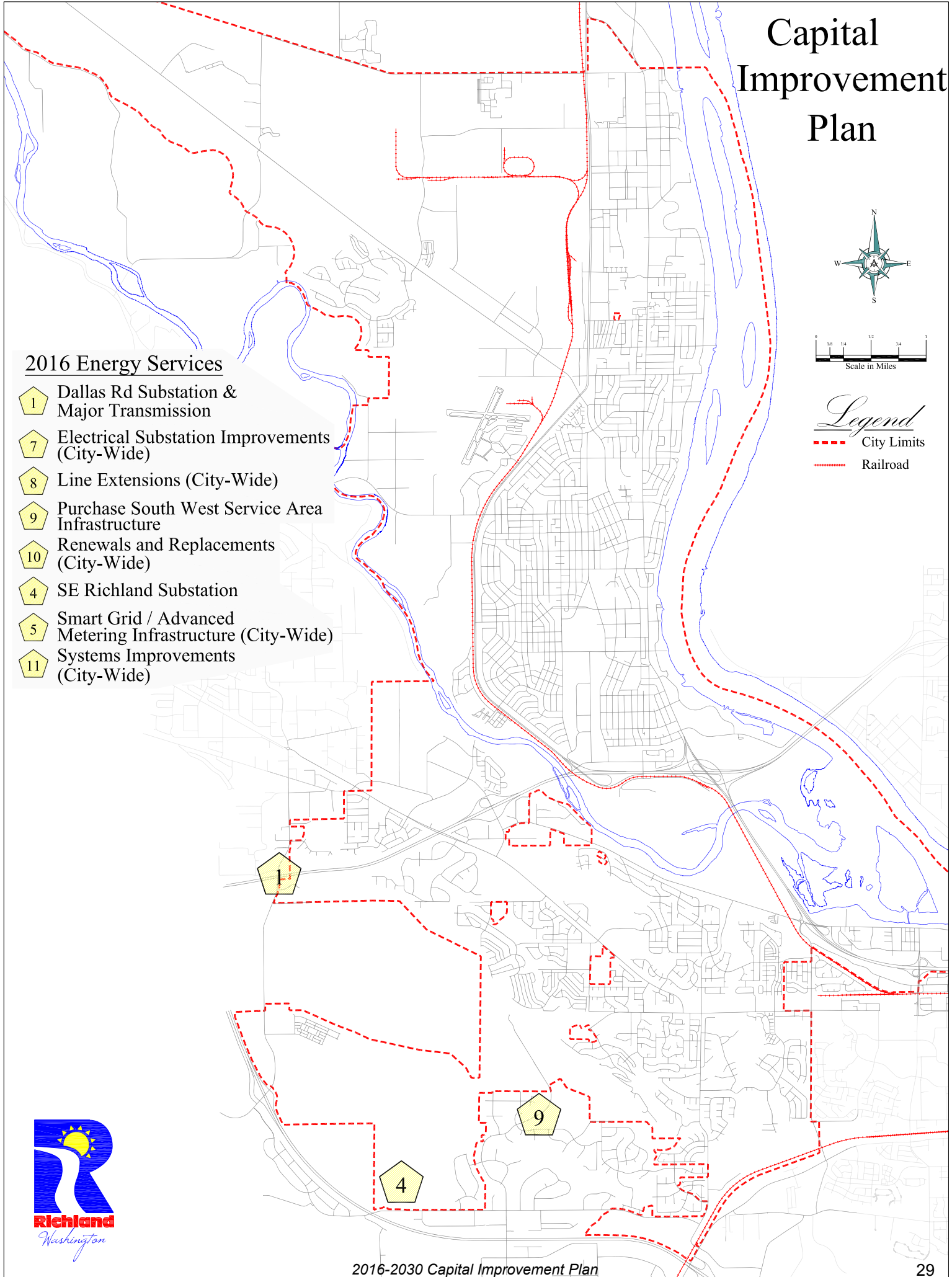


# Capital Improvement Plan



## 2016 Energy Services

-  Dallas Rd Substation & Major Transmission
-  Electrical Substation Improvements (City-Wide)
-  Line Extensions (City-Wide)
-  Purchase South West Service Area Infrastructure
-  Renewals and Replacements (City-Wide)
-  SE Richland Substation
-  Smart Grid / Advanced Metering Infrastructure (City-Wide)
-  Systems Improvements (City-Wide)





# Capital Improvement Plan

2016 thru 2030

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## Electric Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Electric</b>										
<b>PROJECT COSTS</b>										
Causeway Feeder to Wye Area	ES130006	0	0	0	0	0	836,000	0	0	836,000
Dallas Rd Substation & Major Transmission Power Lines	ES130001	0	0	212,000	1,097,000	1,098,000	3,581,000	3,070,000	0	9,058,000
Electrical Substation Improvements	ES130007	0	0	1,443,000	1,571,000	199,000	1,094,000	0	2,120,000	6,427,000
Equipment Storage and Maintenance Repair Shop	ES130012	0	0	0	0	0	0	636,000	0	636,000
Hanford Substation	ES130002	0	0	0	0	0	0	0	0	4,300,000
Kingsgate Substation (formerly N. Richland Substation)	ES130003	0	0	0	0	0	0	2,118,000	2,118,000	4,236,000
Line Extensions	ES130008	0	800,000	800,000	800,000	800,000	800,000	800,000	800,000	5,600,000
Purchase Southwest Service Area Infrastructure	ES130009	0	150,000	212,000	0	0	0	200,000	600,000	1,162,000
Renewals and Replacements	ES130010	0	1,606,000	2,781,000	1,766,000	2,519,000	705,000	840,000	535,000	10,752,000
SE Richland Substation	ES130004	0	1,431,000	1,219,000	4,255,000	923,000	816,000	0	0	8,644,000
Smart Grid / Advanced Metering Infrastructure	ES130005	0	0	300,000	1,735,000	2,735,000	2,830,000	0	0	7,600,000
Systems Improvements	ES130011	0	2,300,000	3,072,000	2,790,000	4,375,000	2,219,000	547,000	898,000	16,201,000
<b>Electric Total:</b>		<b>0</b>	<b>6,287,000</b>	<b>10,039,000</b>	<b>14,014,000</b>	<b>12,649,000</b>	<b>12,881,000</b>	<b>8,211,000</b>	<b>7,071,000</b>	<b>75,452,000</b>
<b>FUNDING SOURCES</b>										
Benton PUD Contributions		0	0	250,000	500,000	100,000	100,000	0	0	950,000
Electric Rate Revenue		0	2,387,000	3,274,000	4,143,000	4,862,000	7,687,000	7,211,000	5,071,000	34,635,000
Facility Fees		0	600,000	600,000	700,000	698,000	900,000	1,000,000	1,800,000	6,298,000
Grant		0	0	0	0	500,000	0	0	0	500,000
Revenue Bond Issue		0	3,300,000	5,915,000	8,671,000	6,489,000	4,194,000	0	4,500,000	33,069,000
<b>Electric Total:</b>		<b>0</b>	<b>6,287,000</b>	<b>10,039,000</b>	<b>14,014,000</b>	<b>12,649,000</b>	<b>12,881,000</b>	<b>8,211,000</b>	<b>11,371,000</b>	<b>75,452,000</b>



# Dallas Rd Substation & Major Transmission Power Lines

Type of Project Electric	Partnership Project? <input type="checkbox"/> NO	Project # ES130001
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="checkbox"/> Yes
PROJECT NAME:	Dallas Rd Substation & Major Transmission Power Lines	
PROJECT ADMINISTRATION:	Energy Services	
PROJECT LOCATION:	Dallas Rd / I-182 (substation location)	
PROJECT TIMELINE:	2016 - 2020	
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. Coordination with Benton PUD & Benton REA. Condemnation of segment of r/w anticipated. WSDOT franchise agreement required to cross I-182. City has to secure right of way to site both the substation and the transmission lines. BPA may cost share to minor extent in order to improve its transmission grid reliability. 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. Developer facility fees may pay portion of new substation costs based on load causation principles.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	1,941,000						1,265,000	676,000	
EXPERT SERVICES	6,050,000			200,000	1,000,000	1,000,000	1,850,000	2,000,000	
LABOR	258,000				20,000	20,000	116,000	102,000	
EQUIPMENT	86,000				4,000	5,000	44,000	33,000	
OVERHEAD	210,000				11,000	11,000	103,000	85,000	
ENGINEERING	513,000			12,000	62,000	62,000	203,000	174,000	
<b>TOTAL</b>	<b>\$ 9,058,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 212,000</b>	<b>\$ 1,097,000</b>	<b>\$ 1,098,000</b>	<b>\$ 3,581,000</b>	<b>\$ 3,070,000</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	498,000					98,000	200,000	200,000	
ELECTRIC RATE REVENUE	5,360,000			12,000	97,000	1,000,000	1,381,000	2,870,000	
REVENUE BOND ISSUE (2015)	1,200,000			200,000	1,000,000				
REVENUE BOND ISSUE (2017)	2,000,000						2,000,000		
	-								
	-								
<b>TOTAL</b>	<b>\$ 9,058,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 212,000</b>	<b>\$ 1,097,000</b>	<b>\$ 1,098,000</b>	<b>\$ 3,581,000</b>	<b>\$ 3,070,000</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	212,000	401-XXX-XXXX-XXXXXX-XXXX
<b>TOTAL</b>	<b>\$ 212,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Hanford Substation

Type of Project

Electric

Partnership Project?

YES

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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
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
<b>TOTAL</b>	<b>\$ 4,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,300,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
FACILITY FEES	1,000,000								1,000,000
ELECTRIC RATE REVENUE	800,000								800,000
REVENUE BOND ISSUE (2019)	-								-
REVENUE BOND ISSUE (2021)	2,500,000								2,500,000
	-								-
	-								-
<b>TOTAL</b>	<b>\$ 4,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,300,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
RETAIL RATES PAY O&M COSTS (UNIT COSTS CURRENTLY BEING ANALYZED)	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Kingsgate Substation (formerly N. Richland 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: Kingsgate Substation (formerly N. Richland Substation)			
PROJECT ADMINISTRATION: Energy Services			
PROJECT LOCATION: Intersection of Future Lowe Rd and Battelle Blvd			
PROJECT TIMELINE: 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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	26,000							13,000	13,000
ENGINEERING	240,000							120,000	120,000
<b>TOTAL</b>	<b>\$ 4,236,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,118,000</b>	<b>\$ 2,118,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	400,000							200,000	200,000
ELECTRIC RATE REVENUE	3,836,000							1,918,000	1,918,000
REVENUE BOND ISSUE (2019)	-								
REVENUE BOND ISSUE (2021)	-								
<b>TOTAL</b>	<b>\$ 4,236,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,118,000</b>	<b>\$ 2,118,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
-	-								
-	-								
-	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# SE Richland Substation

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> ES130004
<b>Key #</b> 2	<b>Goal #</b> 1	<i>Strategic Leadership Plan Project?</i> Yes	
PROJECT NAME: SE Richland Substation			
PROJECT ADMINISTRATION: Energy Services			
PROJECT LOCATION: Near intersection of Leslie & Rachel Roads			
PROJECT TIMELINE: 2015-2019			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="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 substation 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	3,339,000		1,100,000	900,000	725,000	326,000	288,000		
EXPERT SERVICES	2,500,000		250,000	250,000	2,000,000				
LABOR	1,369,000				755,000	326,000	288,000		
EQUIPMENT	221,000				134,000	46,000	41,000		
OVERHEAD	725,000				400,000	172,000	153,000		
ENGINEERING	490,000		81,000	69,000	241,000	53,000	46,000		
TOTAL	\$ 8,644,000	\$ -	\$ 1,431,000	\$ 1,219,000	\$ 4,255,000	\$ 923,000	\$ 816,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
BENTON PUD CONTRIBUTIONS	950,000			250,000	500,000	100,000	100,000		
ELECTRIC RATE REVENUE	2,494,000		431,000	69,000	1,055,000	823,000	116,000		
REVENUE BOND ISSUE (2015)	2,900,000		1,000,000	900,000	1,000,000				
REVENUE BOND ISSUE (2017)	2,300,000				1,700,000		600,000		
TOTAL	\$ 8,644,000	\$ -	\$ 1,431,000	\$ 1,219,000	\$ 4,255,000	\$ 923,000	\$ 816,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
RETAIL RATES PAY O&M COSTS (UNIT COSTS CURRENTLY BEING ANALYZED)	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	1,219,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 1,219,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Smart Grid / Advanced Metering Infrastructure

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	Project # ES130005
<b>Key #</b>	<b>Goal #</b>	<i>Strategic Leadership Plan Project?</i>	<b>Yes</b>
1	4		
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? <input type="text" value="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. A federal smart grid technology grant is assumed to apply to offset construction costs.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	5,200,000								
EXPERT SERVICES	1,500,000			300,000	400,000	400,000	400,000		
LABOR	450,000				150,000	150,000	150,000		
EQUIPMENT	10,000				5,000	5,000			
OVERHEAD	240,000				80,000	80,000	80,000		
ENGINEERING	200,000				100,000	100,000			
TOTAL	\$ 7,600,000	\$ -	\$ -	\$ 300,000	\$ 1,735,000	\$ 2,735,000	\$ 2,830,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	-								
ELECTRIC RATE REVENUE	3,800,000				735,000	235,000	2,830,000		
REVENUE BOND ISSUE (2015)	1,300,000			300,000	1,000,000				
REVENUE BOND ISSUE (2017)	2,000,000					2,000,000			
GRANT	500,000					500,000			
	-								
TOTAL	\$ 7,600,000	\$ -	\$ -	\$ 300,000	\$ 1,735,000	\$ 2,735,000	\$ 2,830,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ASSOCIATED O&M COSTS WILL REDUCE BY UNKNOWN AMOUNT (PART OF FEASIBILITY STUDY)	-								
	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	300,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 300,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Causeway Feeder to Wye Area

Type of Project

Electric

Partnership Project?

NO

Project #

ES130006

Key #

2

Goal #

1

Strategic Leadership Plan Project?

No

PROJECT NAME: Causeway Feeder to Wye Area

PROJECT ADMINISTRATION: Energy Services

PROJECT LOCATION: Between I-182 and Columbia Park Trail

PROJECT TIMELINE: 2019

RESPONSE TO \*GMA LEVEL OF SERVICE? NO

## PROJECT DESCRIPTION

Extend an underground power distribution line from Richland switch to the Wye area along the causeway.

## PROJECT ASSUMPTIONS

Growth rates will continue at historical trends in this area. Regulatory requirements and customer expectations regarding system reliability will continue to drive system improvements. There exists inadequate reinforcement connecting north and south Richland. Environmental permitting, DOT, USACE, railroad right of way, cultural assessment, etc to be completed prior to construction.

## BENEFITS

Installing this power line will support economic development of the Wye / Columbia Point area and also provide important system redundancy.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	362,000						362,000		
EXPERT SERVICES	-						-		
LABOR	173,000						173,000		
EQUIPMENT	72,000						72,000		
OVERHEAD	182,000						182,000		
ENGINEERING	47,000						47,000		
<b>TOTAL</b>	<b>\$ 836,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 836,000</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	-								
ELECTRIC RATE REVENUE	236,000						236,000		
REVENUE BOND ISSUE (2013)	-								
REVENUE BOND ISSUE (2017)	600,000						600,000		
GRANT	-								
REVENUE BOND ISSUE (2019)	-								
<b>TOTAL</b>	<b>\$ 836,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 836,000</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Electrical Substation Improvements

Type of Project <b>Electric</b>		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> <b>ES130007</b>
<b>Key #</b> <b>2</b>	<b>Goal #</b> <b>1</b>	<i>Strategic Leadership Plan Project?</i> <b>No</b>	
PROJECT NAME: <input type="text" value="Electrical Substation Improvements"/>			
PROJECT ADMINISTRATION: <input type="text" value="Energy Services"/>			
PROJECT LOCATION: <input type="text" value="Various locations - Eight City Substations"/>			
PROJECT TIMELINE: <input type="text" value="Various"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="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 with some additional funding through retail rate cash and possibly small amount of facility fees. 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	3,395,000			1,095,000	650,000	150,000			1,500,000
EXPERT SERVICES	2,400,000			150,000	750,000		1,000,000		500,000
LABOR	164,000			68,000	50,000	25,000	21,000		
EQUIPMENT	16,000			11,000	5,000				
OVERHEAD	88,000			37,000	27,000	13,000	11,000		
ENGINEERING	364,000			82,000	89,000	11,000	62,000		120,000
TOTAL	\$ 6,427,000	\$ -	\$ -	\$ 1,443,000	\$ 1,571,000	\$ 199,000	\$ 1,094,000	\$ -	\$ 2,120,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	200,000				100,000		100,000		
ELECTRIC RATE REVENUE	120,000								120,000
REVENUE BOND ISSUE (2015)	2,443,000			1,443,000	1,000,000				
REVENUE BOND ISSUE (2017)	3,664,000				471,000	199,000	994,000		2,000,000
	-								
	-								
TOTAL	\$ 6,427,000	\$ -	\$ -	\$ 1,443,000	\$ 1,571,000	\$ 199,000	\$ 1,094,000	\$ -	\$ 2,120,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	1,443,000	401-XXX-XXXX-XXXXXX-XXXX
TOTAL	\$ 1,443,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Line Extensions

<b>Type of Project</b> Electric		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> ES130008
<b>Key #</b> 2	<b>Goal #</b> 1	<i>Strategic Leadership Plan Project?</i> <input type="text" value="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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	2,366,000		338,000	338,000	338,000	338,000	338,000	338,000	338,000
LABOR	1,225,000		175,000	175,000	175,000	175,000	175,000	175,000	175,000
EQUIPMENT	455,000		65,000	65,000	65,000	65,000	65,000	65,000	65,000
OVERHEAD	1,239,000		177,000	177,000	177,000	177,000	177,000	177,000	177,000
ENGINEERING	315,000		45,000	45,000	45,000	45,000	45,000	45,000	45,000
TOTAL	\$ 5,600,000	\$ -	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	4,200,000		600,000	600,000	600,000	600,000	600,000	600,000	600,000
ELECTRIC RATE REVENUE	1,400,000		200,000	200,000	200,000	200,000	200,000	200,000	200,000
	-								
TOTAL	\$ 5,600,000	\$ -	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	800,000	401-XXX-XXXX-XXXXXX-XXXX
<b>TOTAL</b>	\$ 800,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE



# Purchase Southwest Service Area Infrastructure

Type of Project

Electric

Partnership Project?

NO

Project #

ES130009

Key #

2

Goal #

1

Strategic Leadership Plan Project?

No

PROJECT NAME: 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 Hidden Hills Phase 1, BMID pumping station, and Reatta Ridge in 2015 and other PUD facilities in 2020 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	-		150,000	200,000					
EXPERT SERVICES	1,150,000							200,000	600,000
LABOR	-								
EQUIPMENT	-								
OVERHEAD	-								
ENGINEERING	12,000			12,000					
<b>TOTAL</b>	<b>\$ 1,162,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 212,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 600,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	-								
ELECTRIC RATE REVENUE	1,162,000		150,000	212,000				200,000	600,000
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,162,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 212,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 600,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	212,000	401-XXX-XXXX-XXXXXX-XXXX
<b>TOTAL</b>	<b>\$ 212,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Renewals and Replacements

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> ES130010
<b>Key #</b> 2	<b>Goal #</b> 2	<i>Strategic Leadership Plan Project?</i> <b>No</b>	
PROJECT NAME: Renewals and Replacements			
PROJECT ADMINISTRATION: Energy Services			
PROJECT LOCATION: Various locations within the electric utility service area			
PROJECT TIMELINE: Annual Investments			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	4,096,000		591,000	988,000	737,000	943,000	330,000	282,000	225,000
EXPERT SERVICES	1,652,000		342,000	558,000	162,000	150,000	120,000	255,000	65,000
LABOR	2,203,000		248,000	546,000	404,000	638,000	114,000	139,000	114,000
EQUIPMENT	507,000		82,000	105,000	84,000	170,000	21,000	24,000	21,000
OVERHEAD	1,820,000		252,000	450,000	301,000	498,000	102,000	115,000	102,000
ENGINEERING	474,000		91,000	134,000	78,000	120,000	18,000	25,000	8,000
TOTAL	\$ 10,752,000	\$ -	\$ 1,606,000	\$2,781,000	\$1,766,000	\$ 2,519,000	\$ 705,000	\$ 840,000	\$ 535,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	-								
ELECTRIC RATE REVENUE	10,752,000		1,606,000	2,781,000	1,766,000	2,519,000	705,000	840,000	535,000
	-								
	-								
	-								
TOTAL	\$ 10,752,000	\$ -	\$ 1,606,000	\$2,781,000	\$1,766,000	\$ 2,519,000	\$ 705,000	\$ 840,000	\$ 535,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\*    ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	2,781,000	401-XXX-XXXX-XXXXXX-XXXX
<b>TOTAL</b>	<b>\$ 2,781,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Systems Improvements

Type of Project Electric		Partnership Project? <input type="text" value="NO"/>	Project # <b>ES130011</b>
Key # <b>2</b>	Goal # <b>1</b>	Strategic Leadership Plan Project? <b>No</b>	
PROJECT NAME: Systems Improvements			
PROJECT ADMINISTRATION: Energy Services			
PROJECT LOCATION: Various locations within the electric utility service area			
PROJECT TIMELINE: 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 are funded both 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	6,788,000		1,408,000	1,467,000	1,213,000	1,508,000	596,000	288,000	308,000
EXPERT SERVICES	3,454,000			550,000	250,000	1,395,000	979,000	-	280,000
LABOR	2,461,000		360,000	478,000	585,000	606,000	216,000	98,000	118,000
EQUIPMENT	699,000		86,000	91,000	172,000	167,000	101,000	41,000	41,000
OVERHEAD	1,940,000		316,000	343,000	417,000	457,000	206,000	95,000	106,000
ENGINEERING	859,000		130,000	143,000	153,000	242,000	121,000	25,000	45,000
TOTAL	\$ 16,201,000	\$ -	\$ 2,300,000	\$ 3,072,000	\$ 2,790,000	\$ 4,375,000	\$ 2,219,000	\$ 547,000	\$ 898,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
ELECTRIC RATE REVENUE	4,039,000				290,000	85,000	2,219,000	547,000	898,000
REVENUE BOND ISSUE (2015)	12,162,000		2,300,000	3,072,000	2,500,000	4,290,000			
	-								
	-								
TOTAL	\$ 16,201,000	\$ -	\$ 2,300,000	\$ 3,072,000	\$ 2,790,000	\$ 4,375,000	\$ 2,219,000	\$ 547,000	\$ 898,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

<b>**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
DESCRIPTION	2016	CODING
CAPITAL ITEM - PENDING CODING	3,072,000	401-XXX-XXXX-XXXXXX-XXXX
<b>TOTAL</b>	\$ 3,072,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Equipment Storage and Maintenance Repair Shop

Type of Project

Electric

Partnership Project?

NO

Project #

ES130012

Key #

2

Goal #

1

Strategic Leadership Plan Project?

No

PROJECT NAME: Equipment Storage and Maintenance Repair Shop

PROJECT ADMINISTRATION: Energy Services

PROJECT LOCATION: City Shops

PROJECT TIMELINE: 2020

RESPONSE TO \*GMA LEVEL OF SERVICE? 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MATERIAL	100,000							100,000	
EXPERT SERVICES	500,000							500,000	
LABOR	-								
EQUIPMENT	-								
OVERHEAD	-								
ENGINEERING	36,000							36,000	
<b>TOTAL</b>	<b>\$ 636,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 636,000</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY FEES	-								
ELECTRIC RATE REVENUE	636,000							636,000	
	-								
	-								
<b>TOTAL</b>	<b>\$ 636,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 636,000</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
ALL NEW O&M COSTS COVERED THROUGH RATE ANALYSIS	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

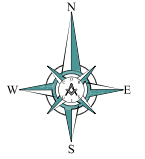


# Municipal



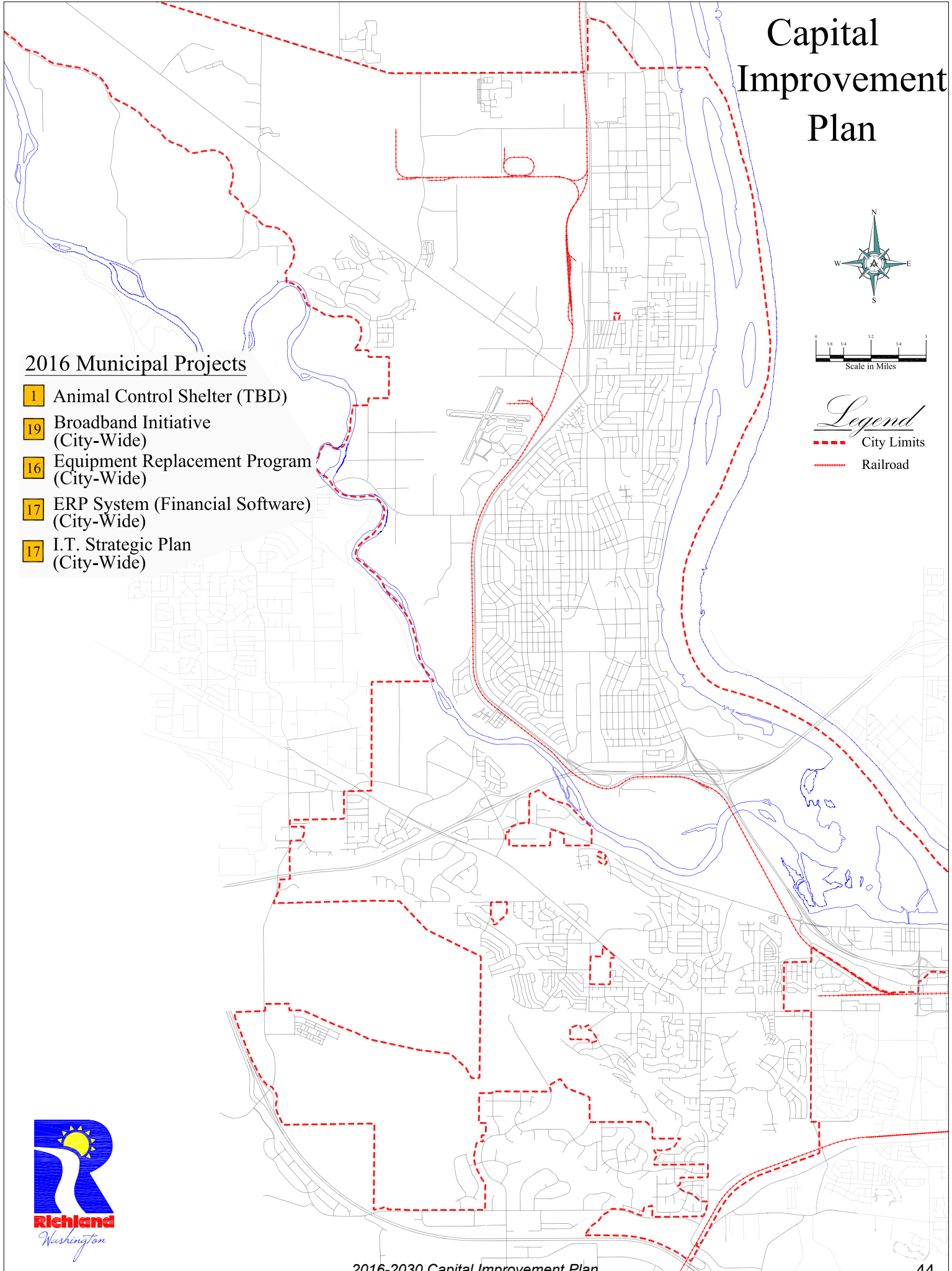
**CITY OF RICHLAND, WASHINGTON**  
CAPITAL IMPROVEMENT PLAN  
**2016 TO 2030**

# Capital Improvement Plan



## 2016 Municipal Projects

- 1 Animal Control Shelter (TBD)
- 19 Broadband Initiative (City-Wide)
- 16 Equipment Replacement Program (City-Wide)
- 17 ERP System (Financial Software) (City-Wide)
- 17 I.T. Strategic Plan (City-Wide)





# Capital Improvement Plan

2016 thru 2030

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## Municipal Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Municipal</b>										
<b>PROJECT COSTS</b>										
Animal Control Shelter	MN130001	100,000	0	1,141,000	0	0	0	0	0	1,241,000
Broadband Initiative	MN150019	0	0	100,000	0	0	0	0	0	100,000
Equipment Replacement Program	MN140016	1,976,642	1,153,078	2,308,477	3,175,529	4,162,640	3,946,732	3,776,795	33,814,207	54,314,100
ERP System (Financial Software)	MN140018	0	0	250,000	1,375,000	1,375,000	0	0	0	3,000,000
Fire Station - Badger Mountain South	MN130007	0	0	0	0	0	0	0	4,530,899	4,530,899
Fire Station - Horn Rapids Area	MN130009	0	0	0	0	0	0	0	5,721,342	5,721,342
Fire Station 73 - Replacement Station	MN130005	0	0	0	3,955,739	0	0	0	0	3,955,739
I.T. Strategic Program	MN140017	0	300,000	479,320	500,000	500,000	500,000	500,000	5,000,000	7,779,320
<b>Municipal Total:</b>		<b>2,076,642</b>	<b>1,453,078</b>	<b>4,278,797</b>	<b>9,006,268</b>	<b>6,037,640</b>	<b>4,446,732</b>	<b>4,276,795</b>	<b>49,066,448</b>	<b>80,642,400</b>
<b>FUNDING SOURCES</b>										
Criminal Justice Fund		0	174,000	0	0	0	194,880	0	656,611	1,025,491
Donations		0	0	0	3,955,739	0	0	0	0	3,955,739
Electric Fund		607,272	97,800	745,470	737,731	1,224,041	727,710	853,295	4,881,236	9,874,555
Equipment Maint Fund		0	0	0	133,357	81,753	0	10,000	237,642	462,752
General Fund		755,438	585,178	1,220,073	2,111,875	1,457,710	1,425,094	1,527,182	14,682,692	23,765,242
Industrial Development Fund		0	0	100,000	0	0	0	0	0	100,000
Medical Services Fund		169,225	135,100	6,211	161,875	161,875	138,500	64,368	1,624,626	2,461,780
PW Admin & Engineering		28,014	0	0	0	108,237	0	96,515	462,565	695,331
Solid Waste Fund		87,645	329,600	559,134	1,159,875	2,117,959	1,217,500	838,215	8,430,526	14,740,454
Stormwater Fund		217,030	5,400	6,577	33,750	33,750	250,044	9,000	1,809,253	2,364,804
Unfunded		0	0	841,000	0	0	0	0	10,252,241	11,093,241
Wastewater Fund		56,393	51,800	585,322	255,412	302,550	323,465	584,614	3,122,479	5,282,035
Water Fund		155,625	74,200	215,010	456,654	549,765	169,539	293,606	2,906,577	4,820,976
<b>Municipal Total:</b>		<b>2,076,642</b>	<b>1,453,078</b>	<b>4,278,797</b>	<b>9,006,268</b>	<b>6,037,640</b>	<b>4,446,732</b>	<b>4,276,795</b>	<b>49,066,448</b>	<b>80,642,400</b>

# 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: Administrative Services

PROJECT LOCATION:

PROJECT TIMELINE: 01/2016 - 12/2016

RESPONSE TO \*GMA LEVEL OF SERVICE?

NO

## PROJECT DESCRIPTION

Current facility was purchased by the City of Pasco and leased to the Tri-Cities Animal Control Authority (Kennewick/Richland/Pasco) to provide Animal Control services including sheltering of dogs and cats. The facility needs to be expanded from 8,120 sq ft to approx. 16,904 sq ft including exterior runs and spaces. Recommendation from the Council sub-committees representing Pasco, Kennewick and Richland was forwarded to their respective Cities in July 2010.

## PROJECT ASSUMPTIONS

The city of Richland budgeted \$100,000 in the 2013 budget for potential land purchase or for use for a feasibility study. Costs are to be equally shared with Kennewick and Pasco. The original preliminary design work has been completed with an estimated cost of approximately \$4,032,000 (\$1,344,000 per City) including land (4 acres) and sales tax for a property located in an industrial zoned area. If the property is located in a commercial zoned area, the costs were estimated to be \$5,206,000 (2 acres of land). The City Managers from all three cities hired an outside consultant to review the entire animal services, building requirements to identify suggested alternatives and procedures for a cooperative animal control facility. This would be to meet the needs of the three cities and to provide intergovernmental facilitation services to assist the parties in developing long-term animal control for the cities. The consultant will be provide a "white paper" to the cities by August 2015.

## BENEFITS

The existing facility was built in 1975 and is in need of major repair. The current facility is too small and inadequate for current operations for the three cities. The Tri-Cities Animal Control Authority will be contacting Benton County with the intent of potential sharing of services and costs. There may be the potential use of Benton County property next to their existing animal shelter that may be able to accommodate the construction for the new facility.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	1,141,000			1,141,000					
CONSTRUCTION	-								
10% CONTINGENCY	-								
OTHER ENG. SERVICES	100,000	100,000							
	-								
<b>TOTAL</b>	<b>\$ 1,241,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 1,141,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GENERAL FUND	400,000	100,000		300,000					
UNFUNDED	841,000			841,000					
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,241,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 1,141,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	300,000	001-900-0016-510000-6209
<b>TOTAL</b>	<b>\$ 300,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>



# Fire Station 73 - Replacement Station

Type of Project

Municipal

Partnership Project?

NO

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: 09/2016 - 09/2017

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 better emergency response coverage, rather than adjacent to the existing site.

## 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. Funding sources for Construction and other project expenses will be fully funded via service agreements through community-based customers at the time the Council determines the project should proceed, and service agreements are in place. The funding for this project would potentially come in three annual payments, so bonds may have to be issued in year two to complete construction and would be paid-in-full with the final service agreement contribution in year three. 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 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 that are more related to health/safety conditions are imminent. Additionally, a move to the new location positions this station for much better emergency response coverage in North Richland.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	791,147				791,147				
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	3,164,592				3,164,592				
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
SITE WORK	-								
<b>TOTAL</b>	<b>\$ 3,955,739</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,955,739</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DONATIONS	3,955,739				3,955,739				
	-								
	-								
<b>TOTAL</b>	<b>\$ 3,955,739</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,955,739</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
STAFFING	-								
DEBT SERVICE	2,873,133					221,011	221,011	221,001	2,210,110
FACILITIES	-								
ONE-TIME I.T. EQUIPMENT	-								
MAINTENANCE & OPERATIONS	-								
<b>TOTAL</b>	<b>\$ 2,873,133</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 221,011</b>	<b>\$ 221,011</b>	<b>\$ 221,001</b>	<b>\$ 2,210,110</b>

# Fire Station - Badger Mountain South

Type of Project <b>Municipal</b>		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> MN130007
<b>Key #</b> 2	<b>Goal #</b> 1	Strategic Leadership Plan Project? <input type="text" value="Yes"/>	
PROJECT NAME: <input type="text" value="Fire Station - Badger Mountain South"/>			
PROJECT ADMINISTRATION: <input type="text" value="Fire Services"/>			
PROJECT LOCATION: <input type="text" value="Land allocated by the developers near the Dallas Rd entrance to the development, by the Wine Center"/>			
PROJECT TIMELINE: <input type="text" value="01/2021 - 09/2021"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="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 engine at \$500 K plus \$70K for equip and med unit at \$200K and \$90K for equip plus incremental increase in O & M for vehicles and facilities. Staffing for the station is not included and may add up to 12 staff for full response operational capabilities. Funding sources for construction, staffing, and other expenses are yet to be determined.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	233,469								233,469
CONSTRUCTION MANAGEMENT	93,322								93,322
CONSTRUCTION	3,018,100								3,018,100
10% CONTINGENCY	278,226								278,226
FIRE ENGINE & MED UNIT	560,000								560,000
OTHER ENG. SERVICES	347,782								347,782
TOTAL	\$ 4,530,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,530,899
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
UNFUNDED	4,530,899								4,530,899
	-								
	-								
	-								
	-								
TOTAL	\$ 4,530,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,530,899
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
STAFFING	22,215,523								22,215,523
DEBT SERVICE	2,749,120								2,749,120
FACILITIES	160,000								160,000
ONE-TIME I.T. EQUIPMENT	15,104								15,104
MAINTENANCE & OPERATIONS	964,242								964,242
TOTAL	\$ 26,103,989	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,103,989

# Fire Station - Horn Rapids Area

Type of Project <b>Municipal</b>		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> <b>MN130009</b>
<b>Key #</b> <b>2</b>	<b>Goal #</b> <b>1</b>	<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="Kingsgate and First Avenue"/>			
PROJECT TIMELINE: <input type="text" value="03/2021 - 12/2021"/>			
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 this area of the city.

## PROJECT ASSUMPTIONS

This project will require the purchase of an engine at \$500K plus \$70K for equip and med unit at \$200K and \$90K for equip plus incremental increase in O & M for vehicles and facilities. Staffing for the station is not included and 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.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
DESIGN	270,654								270,654
CONSTRUCTION MANAGEMENT	108,185								108,185
CONSTRUCTION	3,498,806								3,498,806
10% CONTINGENCY	322,540								322,540
OTHER ENG. SERVICES	557,982								557,982
SITE WORK	403,175								403,175
FIRE ENGINE & MED UNIT	560,000								560,000
<b>TOTAL</b>	<b>\$ 5,721,342</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,721,342</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
UNFUNDED	5,721,342								5,721,342
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 5,721,342</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,721,342</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
STAFFING	11,792,594								11,792,594
DEBT SERVICE	1,374,560								1,374,560
FACILITIES	80,000								80,000
ONE-TIME I.T. EQUIPMENT	17,516								17,516
MAINTENANCE & OPERATIONS	511,845								511,845
<b>TOTAL</b>	<b>\$ 13,776,515</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,776,515</b>

# 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 site				
PROJECT TIMELINE: 2016 - 2030				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

## PROJECT DESCRIPTION

The city-wide equipment replacement program is reviewed by the Equipment Replacement Task Team. For years 2024 to 2031, an estimated amount of \$3,700,000 per year is included. Year 2016 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
ELECTRIC FUND	6,060,335	607,272	-	314,800	105,856	592,166	559,210	684,795	3,196,236
WATER FUND	3,485,266	155,625	35,800	165,700	216,654	309,765	105,539	229,606	2,266,577
WASTEWATER FUND	4,361,313	56,393	26,000	528,900	94,162	141,300	280,465	541,614	2,692,479
SOLID WASTE FUND	14,480,070	87,645	322,100	550,000	1,113,000	2,071,084	1,205,000	825,715	8,305,526
STORMWATER FUND	2,177,327	217,030	-	-	-	-	241,044	-	1,719,253
AMBULANCE FUND	2,284,719	169,225	130,000	-	130,000	130,000	130,000	55,868	1,539,626
PW ADMIN & ENGINEERING	695,331	28,014	-	-	-	108,237	-	96,515	462,565
GENERAL FUND	16,217,575	639,061	448,800	732,700	1,204,314	679,424	881,892	1,012,682	10,618,702
STREETS FUND (GF)	3,063,920	16,377	16,378	16,377	178,186	48,911	348,702	320,000	2,118,989
EQUIPMENT MAINTENANCE FUND	462,752	-	-	-	133,357	81,753	-	10,000	237,642
CRIMINAL JUSTICE FUND	1,025,491	-	174,000	-	-	-	194,880	-	656,611
<b>TOTAL</b>	<b>\$ 54,314,100</b>	<b>\$ 1,976,642</b>	<b>\$ 1,153,078</b>	<b>\$ 2,308,477</b>	<b>\$ 3,175,529</b>	<b>\$ 4,162,640</b>	<b>\$ 3,946,732</b>	<b>\$ 3,776,795</b>	<b>\$ 33,814,207</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
ELECTRIC FUND	6,060,335	607,272	-	314,800	105,856	592,166	559,210	684,795	3,196,236
WATER FUND	3,485,266	155,625	35,800	165,700	216,654	309,765	105,539	229,606	2,266,577
WASTEWATER FUND	4,361,313	56,393	26,000	528,900	94,162	141,300	280,465	541,614	2,692,479
SOLID WASTE FUND	14,480,070	87,645	322,100	550,000	1,113,000	2,071,084	1,205,000	825,715	8,305,526
STORMWATER FUND	2,177,327	217,030	-	-	-	-	241,044	-	1,719,253
AMBULANCE FUND	2,284,719	169,225	130,000	-	130,000	130,000	130,000	55,868	1,539,626
PW ADMIN & ENGINEERING	695,331	28,014	-	-	-	108,237	-	96,515	462,565
GENERAL FUND	16,217,575	639,061	448,800	732,700	1,204,314	679,424	881,892	1,012,682	10,618,702
STREETS FUND (GF)	3,063,920	16,377	16,378	16,377	178,186	48,911	348,702	320,000	2,118,989
EQUIPMENT MAINTENANCE FUND	462,752	-	-	-	133,357	81,753	-	10,000	237,642
CRIMINAL JUSTICE FUND	1,025,491	-	174,000	-	-	-	194,880	-	656,611
<b>TOTAL</b>	<b>\$ 54,314,100</b>	<b>\$ 1,976,642</b>	<b>\$ 1,153,078</b>	<b>\$ 2,308,477</b>	<b>\$ 3,175,529</b>	<b>\$ 4,162,640</b>	<b>\$ 3,946,732</b>	<b>\$ 3,776,795</b>	<b>\$ 33,814,207</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
EQUIPMENT REPLACEMENT	2,149,200	503-215-0006-594480-6405
EQUIPMENT REPLACEMENT - LEASE/RENTAL	142,900	503-215-0004-581100-4503
EQUIPMENT REPLACEMENT - INTERFUND LOAN PRINC	15,954	503-215-000-581100-7901
EQUIPMENT REPLACEMENT - INTERFUND LOAN INT	423	503-215-0008-581100-8201
<b>TOTAL</b>	<b>\$ 2,308,477</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# I.T. Strategic Program

Type of Project <b>Municipal</b>		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> <b>MN140017</b>	
<b>Key #</b> <b>1</b>	<b>Goal #</b> <b>4</b>	<i>Strategic Leadership Plan Project?</i>	<b>No</b>	
PROJECT NAME: <input type="text" value="I.T. Strategic Program"/>				
PROJECT ADMINISTRATION: <input type="text" value="City Administration"/>				
PROJECT LOCATION: <input type="text" value="City sites"/>				
PROJECT TIMELINE: <input type="text" value="2015 - 2030"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

## PROJECT DESCRIPTION

The city-wide Information Technology Strategic Program is formulated and reviewed by the I.T. Governance Committee for the software and hardware replacement program. Estimates are provided for all years listed below. This maintains approximately \$500,000 per year for IT Strategic Planning projects.

## PROJECT ASSUMPTIONS

## BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
IT STRATEGIC PROGRAM	7,779,320		300,000	479,320	500,000	500,000	500,000	500,000	5,000,000
<b>TOTAL</b>	<b>\$ 7,779,320</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 479,320</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 5,000,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
GENERAL FUND	2,916,746		120,000	73,746	194,500	194,500	194,500	194,500	1,945,000
ELECTRIC FUND	2,803,220		97,800	346,420	168,500	168,500	168,500	168,500	1,685,000
WATER FUND	951,710		38,400	17,310	64,000	64,000	64,000	64,000	640,000
WASTEWATER FUND	662,722		25,800	34,922	43,000	43,000	43,000	43,000	430,000
SOLID WASTE FUND	185,384		7,500	2,884	12,500	12,500	12,500	12,500	125,000
STORMWATER FUND	133,477		5,400	2,077	9,000	9,000	9,000	9,000	90,000
MEDICAL SERVICES FUND	126,061		5,100	1,961	8,500	8,500	8,500	8,500	85,000
<b>TOTAL</b>	<b>\$ 7,779,320</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 479,320</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 5,000,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
GENERAL FUND PROJECTS	62,613	001-213-0013-518884-3583
GENERAL FUND PROJECTS	26,624	001-213-0013-518885-3520
GENERAL FUND PROJECTS	55,000	001-213-0014-518884-4117
ELECTRIC PROJECTS	307,542	401-501-XXXX-XXXXXX-XXXX
WATER PROJECTS	2,541	402-412-0003-518887-3520
WASTEWATER PROJECTS	15,000	403-422-0003-518887-3582
WASTEWATER PROJECTS	10,000	403-422-0003-518887-3583
<b>TOTAL</b>	<b>\$ 479,320</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# ERP System (Financial Software)

Type of Project <b>Municipal</b>		Partnership Project? <b>NO</b>	Project # <b>MN140018</b>	
Key # <b>1</b>	Goal # <b>4</b>	Strategic Leadership Plan Project? <b>No</b>		
PROJECT NAME: <b>ERP System (Financial Software)</b>				
PROJECT ADMINISTRATION: <b>City Administration</b>				
PROJECT LOCATION: <b>City sites</b>				
PROJECT TIMELINE: <b>2016 - 2018</b>				
RESPONSE TO *GMA LEVEL OF SERVICE? <b>NO</b>				

## PROJECT DESCRIPTION

The city-wide Information Technology Strategic Program is formulated and reviewed by the I.T. Governance Committee for the software and hardware replacement program. Estimates are provided for all years listed below for the replacement of an ERP system (city-wide financial software).

## PROJECT ASSUMPTIONS

## BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
ERP SYSTEM	3,000,000			250,000	1,375,000	1,375,000			
	-								
	-								
TOTAL	\$ 3,000,000	\$ -	\$ -	\$ 250,000	\$1,375,000	\$ 1,375,000	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
GENERAL FUND	1,167,000			97,250	534,875	534,875			
ELECTRIC FUND	1,011,000			84,250	463,375	463,375			
WATER FUND	384,000			32,000	176,000	176,000			
WASTEWATER FUND	258,000			21,500	118,250	118,250			
SOLID WASTE FUND	75,000			6,250	34,375	34,375			
STORMWATER FUND	54,000			4,500	24,750	24,750			
MEDICAL SERVICES FUND	51,000			4,250	23,375	23,375			
	-								
	-								
TOTAL	\$ 3,000,000	\$ -	\$ -	\$ 250,000	\$1,375,000	\$ 1,375,000	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
GENERAL FUND - EXPENSE	97,250	001-213-0014-518890-4117
ELECTRIC FUND - EXPENSE	84,250	401-501-0009-534100-9115
WATER FUND - EXPENSE	32,000	402-411-0009-534100-9115
WASTEWATER FUND - EXPENSE	21,500	403-420-0009-535100-9115
SOLID WASTE FUND - EXPENSE	6,250	404-431-0009-539100-9115
STORMWATER FUND - EXPENSE	4,500	405-441-0009-538300-9115
MEDICAL SERVICES FUND - EXPENSE	4,250	407-121-0009-526200-9115
TOTAL	\$ 250,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Broadband Initiative

Type of Project Municipal		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> NO	<b>Project #</b> MN150019
<b>Key #</b> 3	<b>Goal #</b> 4	<i>Strategic Leadership Plan Project?</i> <input type="checkbox"/> No		
PROJECT NAME: <input type="text" value="Broadband Initiative"/>				
PROJECT ADMINISTRATION: <input type="text" value="City Administration"/>				
PROJECT LOCATION: <input type="text" value="Citywide"/>				
PROJECT TIMELINE: <input type="text" value="2016"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO				

## PROJECT DESCRIPTION

In 2015, the City completed the initial replacement of the I-net. In addition to replacement of the I-net for city purposes, the City made a strategic investment in additional capacity for economic development purposes. Furthermore, the City Council approved a dark-fiber model to partner with retail service providers and others to increase availability of high-speed broadband capacity to businesses. In order to continue to grow the expansion and reach additional businesses, it is critical to have up front capital for fiber and conduit builds. The model is for the city to pay 50% of the capital cost and the partnering entity to pay the other 50% and contract with the city for a 3 to 5-year lease agreement to recoup the capital investment and pay for maintenance and operation of the system.

## PROJECT ASSUMPTIONS

That access to high-speed broadband continues to be a goal of the City Council.

## BENEFITS

Currently, demand outweighs our ability to service all the requests for broadband. A continued investment would allow for additional laterals to be built off the core backbone that has been constructed, allowing for greater access to more small and medium sized businesses.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
EXPANSION OF BROADBAND NETWORK	100,000	-	-	100,000					
<b>TOTAL</b>	\$ 100,000	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
INDUSTRIAL DEVELOPMENT FUND	100,000	-	-	100,000					
<b>TOTAL</b>	\$ 100,000	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
CAPITAL ITEM	100,000	408-460-0006-538920-6421
<b>TOTAL</b>	\$ 100,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

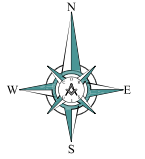
# Parks & Public Facilities



**CITY OF RICHLAND, WASHINGTON**  
CAPITAL IMPROVEMENT PLAN  
**2016 TO 2030**

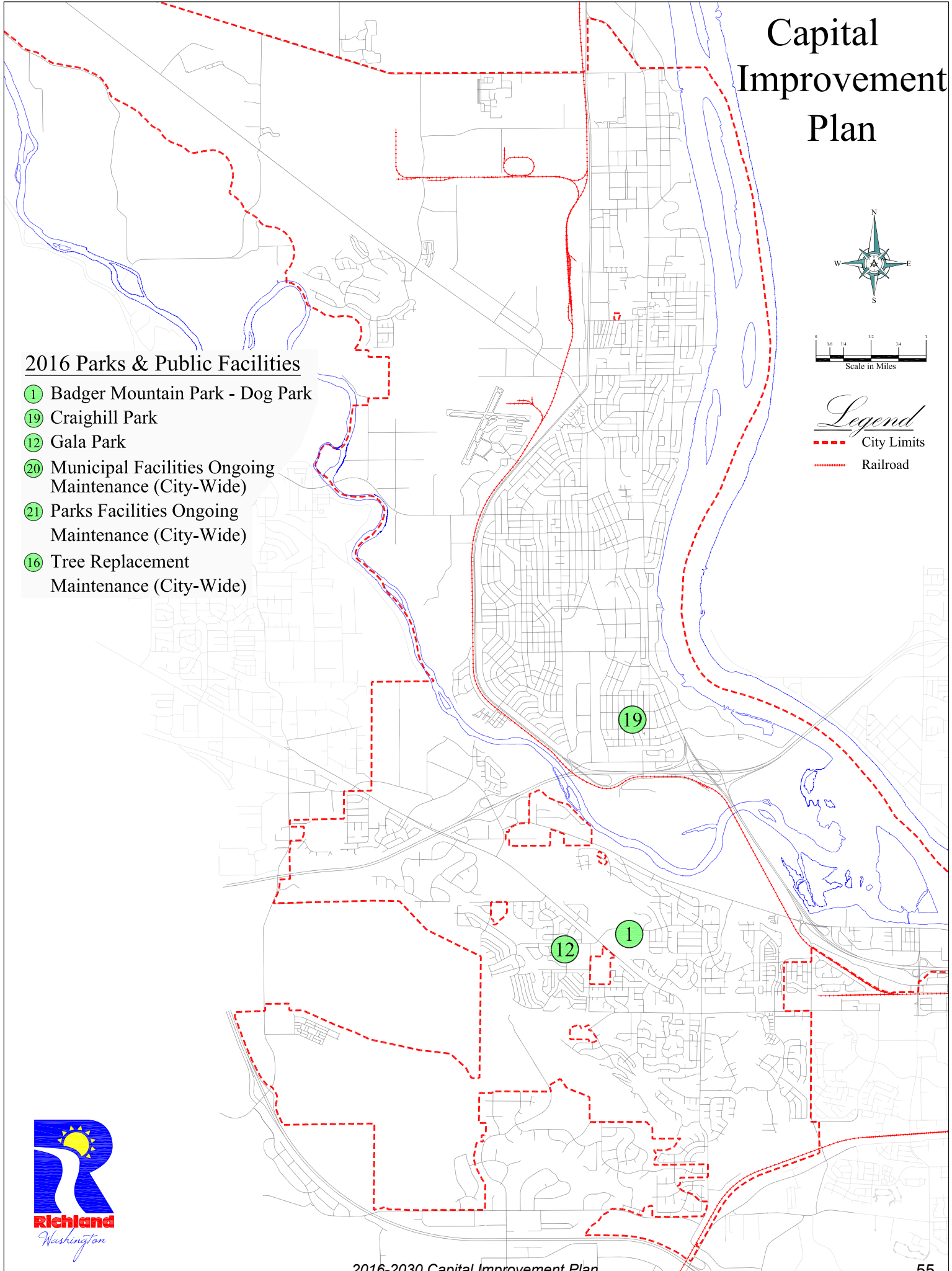


# Capital Improvement Plan



## 2016 Parks & Public Facilities

- ① Badger Mountain Park - Dog Park
- ⑱ Craighill Park
- ⑫ Gala Park
- ⑳ Municipal Facilities Ongoing Maintenance (City-Wide)
- ㉑ Parks Facilities Ongoing Maintenance (City-Wide)
- ⑯ Tree Replacement Maintenance (City-Wide)





# Capital Improvement Plan

2016 thru 2030

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## Parks & Public Facilities Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Parks &amp; Public Facilities</b>										
<b>PROJECT COSTS</b>										
Badger Mountain Park - Dog Park	PR130001	0	0	135,000	0	0	0	0	1,500,000	1,635,000
Craighill Park	PR150019	0	0	50,000	0	0	0	0	0	50,000
Drollinger Park	PR130007	16,000	44,000	0	0	60,000	0	0	0	120,000
Gala Park	PR130012	280,886	30,000	32,500	0	0	0	0	0	343,386
Hanford Legacy Park	PR130003	747,541	0	0	0	500,000	700,000	500,000	700,000	3,147,541
Municipal Facilities Ongoing Maintenance	PR140020	1,106,112	454,387	100,000	100,000	100,000	100,000	100,000	400,000	2,460,499
Parks Facilities Ongoing Maintenance	PR140021	0	40,000	100,000	200,000	200,000	200,000	200,000	200,000	1,140,000
Tree Replacement	PR130016	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	160,000
West Village Park at Badger Mountain South	PR130005	0	0	0	0	1,000,000	0	0	600,000	1,600,000
<b>Parks Total:</b>		<b>2,170,539</b>	<b>588,387</b>	<b>437,500</b>	<b>320,000</b>	<b>1,880,000</b>	<b>1,020,000</b>	<b>820,000</b>	<b>3,420,000</b>	<b>10,656,426</b>
<b>FUNDING SOURCES</b>										
CDBG Funds		0	0	50,000	0	0	0	0	0	50,000
Donations		0	0	35,000	0	0	0	0	0	35,000
Electric Fund		0	84,250	33,700	33,700	33,700	33,700	33,700	33,700	286,450
General Fund		1,106,112	365,887	138,900	38,900	38,900	38,900	38,900	38,900	1,805,399
Grant		0	0	0	0	500,000	500,000	0	1,000,000	2,000,000
Hotel/Motel-Lodging Funds		737,541	0	0	0	500,000	0	500,000	0	1,737,541
Library Capital Reserve (Gen Fund)		0	0	0	0	0	0	0	300,000	300,000
Medical Services Fund		0	0	1,700	1,700	1,700	1,700	1,700	1,700	10,200
Parks Reserve Fund		0	0	0	0	0	0	0	200,000	200,000
Parks Reserve Fund (Undesignated)		10,000	29,000	0	0	0	0	0	0	39,000
Parks Reserve-Park District 3		16,000	15,000	0	0	60,000	0	0	0	91,000
Parks Reserve-Park District 4		0	0	0	0	500,000	0	0	600,000	1,100,000
Parks Reserve-Park District 5		280,886	30,000	132,500	0	0	0	0	100,000	543,386
REET-RE Excise Tax 1st 1/4%		0	0	20,000	0	0	200,000	0	200,000	420,000
Solid Waste Fund		0	6,250	2,500	2,500	2,500	2,500	2,500	2,500	21,250
Stormwater Fund		0	4,500	1,800	1,800	1,800	1,800	1,800	1,800	15,300
Unfunded		0	0	0	220,000	220,000	220,000	220,000	920,000	1,800,000
Wastewater Fund		0	21,500	8,600	8,600	8,600	8,600	8,600	8,600	73,100
Water Fund		0	32,000	12,800	12,800	12,800	12,800	12,800	12,800	108,800
WCIA Insurance Settlement Pmt		20,000	0	0	0	0	0	0	0	20,000
<b>Parks Total:</b>		<b>2,170,539</b>	<b>588,387</b>	<b>437,500</b>	<b>320,000</b>	<b>1,880,000</b>	<b>1,020,000</b>	<b>820,000</b>	<b>3,420,000</b>	<b>10,656,426</b>

# Badger Mountain Park - Dog Park

Type of Project

Parks Project

Partnership Project?

YES

Project #

PR130001

Key #

6

Goal #

3

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Badger Mountain Park - Dog Park

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Badger Mountain Parks, south Richland

PROJECT TIMELINE: 04/2021 - 11/2021

RESPONSE TO \*GMA LEVEL OF SERVICE? YES

## PROJECT DESCRIPTION

The existing park includes a zero-depth water spray pad, three multipurpose fields, three tournament quality baseball fields, one practice baseball field, concessions/restroom, one dog park, full court basketball, and one play structure. 2016 - complete the remaining 2.5 acres of the dog park; 2021 - construction of the remaining master plan amenities including additional parking lots, tennis courts, upper restroom, baseball/softball field, playground and other minor park amenities.

## PROJECT ASSUMPTIONS

The project will be phased over many years.

## BENEFITS

Completion of the projects will satisfy community need for various amenities.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,635,000			135,000					1,500,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 1,635,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
PARK RESERVE FUND	200,000								200,000
PARK DISTRICT 5	200,000			100,000					100,000
RCO GRANT	500,000								500,000
UNFUNDED	700,000								700,000
DONATIONS	35,000			35,000					
<b>TOTAL</b>	<b>\$ 1,635,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
GENERAL FUND	985,300								985,300
	-								
	-								
<b>TOTAL</b>	<b>\$ 985,300</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 985,300</b>

<b>**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
DESCRIPTION	2016	CODING
CAPITAL ITEM	135,000	380-337-0066-596794-6403
<b>TOTAL</b>	<b>\$ 135,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Hanford Legacy Park

Type of Project Parks Project		Partnership Project? <input type="checkbox"/> YES	Project # PR130003
Key # 6	Goal # 3	Strategic Leadership Plan Project? Yes	
PROJECT NAME: Hanford Legacy Park			
PROJECT ADMINISTRATION: Parks & Public Facilities			
PROJECT LOCATION: Hanford Legacy Park, SR-240 west of Kingsgate Drive			
PROJECT TIMELINE: 2018 - 2030			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> YES			

## PROJECT DESCRIPTION

The existing park includes four Babe Ruth fields, restroom/concession building and gravel parking lot. 2019 - construct five multi-purpose sport fields and a gravel parking lot, 2021 - the parking lot will be paved, City street constructed and a restroom/concession building completed, 2021 - additional parking, a playground structure and tennis courts will be completed.

## PROJECT ASSUMPTIONS

Grant funding will be secured, the fields will be designated as a home complex for a sports association, and additional maintenance staff are added.

## BENEFITS

Provide community park amenities to the service area and tournament facilities for tourism.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	3,147,541	747,541	-	-	-	500,000	700,000	500,000	700,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 3,147,541	\$ 747,541	\$ -	\$ -	\$ -	\$ 500,000	\$ 700,000	\$ 500,000	\$ 700,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
HOTEL/MOTEL - LODGING TAX FUNDS	1,737,541	737,541	-	-	-	500,000	-	500,000	-
RCO GRANT	1,000,000	-	-	-	-	-	500,000	-	500,000
RE EXCISE TAX 1ST 1/4%	400,000	-	-	-	-	-	200,000	-	200,000
UNDESIGNATED PARK RESERVE	10,000	10,000	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 3,147,541	\$ 747,541	\$ -	\$ -	\$ -	\$ 500,000	\$ 700,000	\$ 500,000	\$ 700,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
STAFF AND MATERIALS	155,000	-	-	-	-	-	-	75,000	80,000
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 155,000	-	-	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 80,000

# 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

Per the development agreement with the Badger Mt. South developer the first park phase is triggered at the issuance of the 400th building permit and the City has 18 months to complete park improvements associated with the particular phase. There are a total of four phases associated with the park development. 2019 - 2021 - Phase 1, Install irrigation and turf on 10 acres of the 30 acre Community Park.

## PROJECT ASSUMPTIONS

Home building will occur based on the schedule above. The project is fully funded by neighborhood park impact fees.

## BENEFITS

Provide neighborhood and community park amenities to residents in Badger Mountain South.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,600,000					1,000,000			600,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 1,600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PARK DISTRICT 4	1,100,000					500,000			600,000
RCO GRANT	500,000					500,000			
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 600,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Drollinger Park

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR130007

Key #

6

Goal #

3

Strategic Leadership Plan Project?

No

PROJECT NAME: Drollinger Park

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 1.5 acres and will provide Neighborhood Park amenities to the residents west of the By-Pass Highway in the Duportail Street area. Currently there are no public park facilities in this service area. 2015 - install irrigation and turf; 2018 - install playground equipment.

## PROJECT ASSUMPTIONS

There will be Park District 3 funds available in 2018 to complete the park.

## BENEFITS

Provide Neighborhood Park amenities to the service area west of SR-240 in the Duportail Street vicinity.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	120,000	16,000	44,000			60,000			
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 120,000</b>	<b>\$ 16,000</b>	<b>\$ 44,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PARK DISTRICT 3	91,000	16,000	15,000			60,000			
UNDESIGNATED PARK RESERVE FUND	29,000		29,000						
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 120,000</b>	<b>\$ 16,000</b>	<b>\$ 44,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
PARK MAINTENANCE	41,600				6,500	7,500	9,000	9,200	9,400
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 41,600</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ 6,500</b>	<b>\$ 7,500</b>	<b>\$ 9,000</b>	<b>\$ 9,200</b>	<b>\$ 9,400</b>

# Gala Park

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR130012

Key #

6

Goal #

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Gala Park

PROJECT ADMINISTRATION:

Parks and Recreation Department

PROJECT LOCATION:

Intersection of Gala Way and Westcliffe Blvd.

PROJECT TIMELINE:

2014-2016

RESPONSE TO \*GMA LEVEL OF SERVICE?

YES

## PROJECT DESCRIPTION

The master plan for this three acre park was approved in 2013 and includes a playground, shelter, turf and trees. The northern portion of the park will present a natural play are with berms and a water feature similar to Goethals Park.

## PROJECT ASSUMPTIONS

The park was acquired in 2012 as a condition of a settlement agreement. Per the agreement irrigation and turf were completed in 2013. In 2014, the playground was installed and trees planted. In 2016 a perimeter trail and conversion of the HOA landscape and irrigation will occur.

## BENEFITS

Provide Neighborhood Park amenities to the service area neighborhood and adjacent to a new RSD elementary school so that facilities can be shared.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	207,500	145,000	30,000	32,500					
LAND	135,886	135,886							
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 343,386</b>	<b>\$ 280,886</b>	<b>\$ 30,000</b>	<b>\$ 32,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PARK DISTRICT 5	343,386	280,886	30,000	32,500					
	-								
	-								
<b>TOTAL</b>	<b>\$ 343,386</b>	<b>\$ 280,886</b>	<b>\$ 30,000</b>	<b>\$ 32,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	32,500	380-337-0066-594785-6403
<b>TOTAL</b>	<b>\$ 32,500</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Tree Replacement

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR130016

Key #

6

Goal #

3

Strategic Leadership Plan Project?

No

PROJECT NAME: Tree Replacement

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide but focused in core Richland

PROJECT TIMELINE: 2014 - Ongoing

RESPONSE TO \*GMA LEVEL OF SERVICE? NO

## PROJECT DESCRIPTION

Remove and replace dangerous, diseased and dead trees and proactively plant new, appropriate trees well in advance of removing aging trees to lessen the impact of the loss of large trees.

## PROJECT ASSUMPTIONS

WCIA payment for trees lost in the 2012 wind storm. Settlement should be \$60,000 in 2014; this will be distributed in a three year span to cover the costs anticipated for those years (2014-2016).

## BENEFITS

Implement a pro-active tree replacement plan to maintain a mature tree canopy.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	160,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 160,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
RE EXCISE TAX 1ST 1/4%	20,000			20,000					
WCIA INSURANCE SETTLEMENT PAYMENT	20,000	20,000							
GENERAL FUND	20,000		20,000						
UNFUNDED	100,000				20,000	20,000	20,000	20,000	20,000
	-								
	-								
<b>TOTAL</b>	<b>\$ 160,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
INCREASED MAINTENANCE COST	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
NON-CAPITAL ITEM	20,000	380-337-0004-594524-4936
<b>TOTAL</b>	<b>\$ 20,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>



# Municipal Facilities Ongoing Maintenance Program

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR140020

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Municipal Facilities Ongoing Maintenance Program

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide

PROJECT TIMELINE: 2016 - 2021

RESPONSE TO \*GMA LEVEL OF SERVICE? NO

## PROJECT DESCRIPTION

Existing facilities: George Prout Pool, Fire Stations, 1, 2, 3 & 4, Library, Community Center, City Hall & Annex, 703 Building, Police Station and Shops Buildings, 100, 200 & 300. Most of the major deferred maintenance activities have been funded and completed. The proposed funding is an effort to establish a reasonable fund to address ongoing issues.

## PROJECT ASSUMPTIONS

City Hall, Administrative Annex and the Development Services Building are replaced in 2017 as part of the Swift Corridor 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FACILITY MAINTENANCE	2,460,499	1,106,112	454,387	100,000	100,000	100,000	100,000	100,000	400,000
	-								
	-								
<b>TOTAL</b>	<b>\$ 2,460,499</b>	<b>\$ 1,106,112</b>	<b>\$ 454,387</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 400,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GENERAL FUND	1,645,399	1,106,112	305,887	38,900	38,900	38,900	38,900	38,900	38,900
ELECTRIC FUND	286,450		84,250	33,700	33,700	33,700	33,700	33,700	33,700
WATER FUND	108,800		32,000	12,800	12,800	12,800	12,800	12,800	12,800
WASTEWATER FUND	73,100		21,500	8,600	8,600	8,600	8,600	8,600	8,600
SOLID WASTE FUND	21,250		6,250	2,500	2,500	2,500	2,500	2,500	2,500
STORMWATER FUND	15,300		4,500	1,800	1,800	1,800	1,800	1,800	1,800
AMBULANCE	10,200			1,700	1,700	1,700	1,700	1,700	1,700
LIBRARY CAPITAL RESERVE (GFUND)	300,000								300,000
<b>TOTAL</b>	<b>\$ 2,460,499</b>	<b>\$ 1,106,112</b>	<b>\$ 454,387</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 400,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
NON-CAPITAL ITEM	100,000	001-335-0014-571510-4806
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Parks Facilities Ongoing Maintenance Program

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR140021

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Parks Facilities Ongoing Maintenance Program

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: City-wide

PROJECT TIMELINE: 2015 - 2020

RESPONSE TO \*GMA LEVEL OF SERVICE? NO

## PROJECT DESCRIPTION

The ongoing maintenance program is intended to be used for non-capital items such as minor equipment and irrigation repairs, parking lot fixes as well as minor repairs to park facilities (i.e., bathroom doors, equipment, electrical, plumbing, and similar non-capital items).

## PROJECT ASSUMPTIONS

## BENEFITS

Improve safety, longevity and accessibility of park amenities.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PARKS FACILITIES MAINTENANCE	1,140,000		40,000	100,000	200,000	200,000	200,000	200,000	200,000
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,140,000</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ 100,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GENERAL FUND	140,000		40,000	100,000					
UNFUNDED	1,000,000				200,000	200,000	200,000	200,000	200,000
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,140,000</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ 100,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
NON-CAPITAL ITEM	100,000	001-335-0064-576100-4814 (CHANGE FROM \$300,000)
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Craighill Park

Type of Project

Parks Project

Partnership Project?

NO

Project #

PR150019

Key #

6

Goal #

3

Strategic Leadership Plan Project?

No

PROJECT NAME: Craighill Park

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Craighill Park is located on Craighill Avenue Between Comstock St. and Benham St.

PROJECT TIMELINE: Spring of 2016

RESPONSE TO \*GMA LEVEL OF SERVICE?

NO

## PROJECT DESCRIPTION

Craighill park is a 3.41 acre park with playground equipment, 2 unlit baseball/softball fields and room for soccer. There is also off-street parking available. Proposed improvements include the construction of a basketball court in 2016.

## PROJECT ASSUMPTIONS

Receipt of CDBG funds.

## BENEFITS

Increase park amenities and improve park appearance.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	50,000			50,000					
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CDBG FUNDS	50,000			50,000					
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
INCREASED MAINTENANCE COST	1,950			200	250	300	350	400	450
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,950</b>	<b>-</b>	<b>-</b>	<b>\$ 200</b>	<b>\$ 250</b>	<b>\$ 300</b>	<b>\$ 350</b>	<b>\$ 400</b>	<b>\$ 450</b>

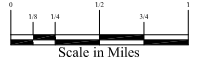
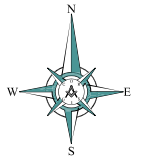
**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	50,000	380-337-0066-594567-6403
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Solid Waste

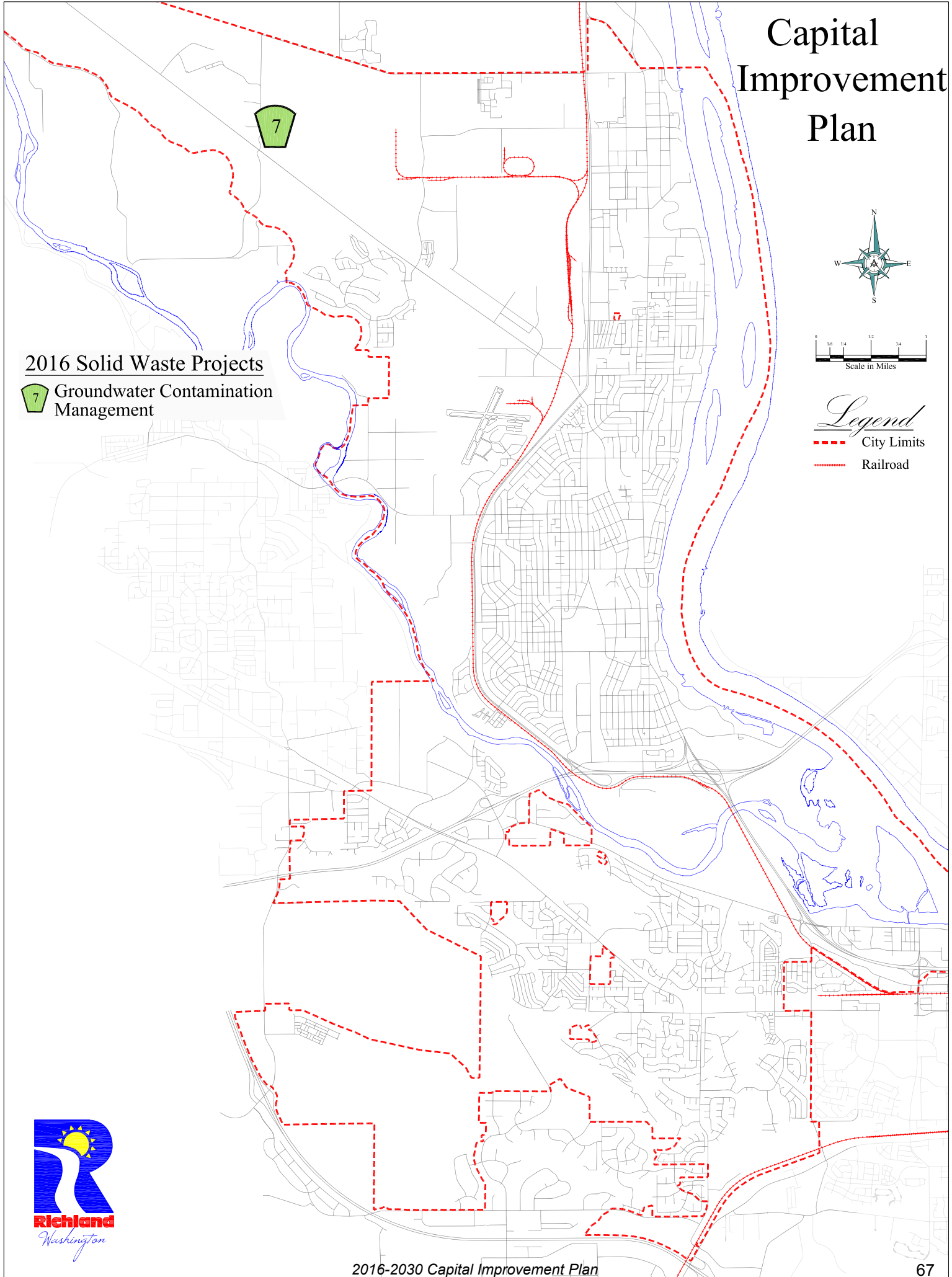


# Capital Improvement Plan



- Legend*
- City Limits
  - Railroad

**2016 Solid Waste Projects**  
7 Groundwater Contamination Management





Capital Improvement Plan

2016 thru 2030

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Solid Waste Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Solid Waste</b>										
<b>PROJECT COSTS</b>										
Disposal Capacity Improvements	SW130002	0	200,000	0	1,150,000	6,710,000	0	0	0	8,060,000
Groundwater Contamination Management	SW150007	0	0	50,000	0	0	0	0	0	50,000
Landfill Closure, Phase 2	SW130003	0	0	0	0	200,000	3,350,000	0	0	3,550,000
<b>Solid Waste Total:</b>		<b>0</b>	<b>200,000</b>	<b>50,000</b>	<b>1,150,000</b>	<b>6,910,000</b>	<b>3,350,000</b>	<b>0</b>	<b>0</b>	<b>11,660,000</b>
<b>FUNDING SOURCES</b>										
Revenue Bond Issue		0	0	0	1,150,000	6,710,000	0	0	0	7,860,000
Solid Waste Fund (Rsv for closure)		0	0	0	0	200,000	3,350,000	0	0	3,550,000
Solid Waste Rate Revenue		0	200,000	50,000	0	0	0	0	0	250,000
<b>Solid Waste Total:</b>		<b>0</b>	<b>200,000</b>	<b>50,000</b>	<b>1,150,000</b>	<b>6,910,000</b>	<b>3,350,000</b>	<b>0</b>	<b>0</b>	<b>11,660,000</b>

# Disposal Capacity Improvements

Type of Project

Solid Waste

Partnership Project?

NO

Project #

SW130002

Key #

5

Goal #

2

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Disposal Capacity Improvements

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Richland Sanitary Landfill

PROJECT TIMELINE: 2016 - 2018

RESPONSE TO \*GMA LEVEL OF SERVICE?

YES

## PROJECT DESCRIPTION

Plan, design and construct facilities needed to provide future solid waste disposal capacity. 2015 - 2016 work will complete a feasibility study of alternative disposal options, including expanded on-site landfill capacity and hauling to a regional landfill. 2016 - 2017 work will complete engineering design for the selected alternative. 2017 - 2018 work will construct the facilities. Additionally, this work will Master Plan the landfill facility and customer access areas.

## PROJECT ASSUMPTIONS

The project schedule is based on current estimates of remaining on-site landfill capacity. This schedule will be evaluated annually and adjusted accordingly. A revenue bond issue or possibly a low interest loan are planned for financing the construction of the new disposal facilities.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	150,000				150,000				
CONSTRUCTION MANAGEMENT	150,000					150,000			
CONSTRUCTION	7,560,000				1,000,000	6,560,000			
10% CONTINGENCY	-								
OTHER ENG. SERVICES	200,000		200,000						
	-								
<b>TOTAL</b>	<b>\$ 8,060,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 1,150,000</b>	<b>\$ 6,710,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
SOLID WASTE RATE REVENUE	200,000		200,000						
REVENUE BOND ISSUE	7,860,000				1,150,000	6,710,000			
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 8,060,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 1,150,000</b>	<b>\$ 6,710,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Landfill Closure, Phase 2

Type of Project Solid Waste		Partnership Project? <input type="text" value="NO"/>	Project # <b>SW130003</b>
Key # <b>2</b>	Goal # <b>1</b>	Strategic Leadership Plan Project? <i>No</i>	
PROJECT NAME: <input type="text" value="Landfill Closure, Phase 2"/>			
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="2017 - 2018"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="YES"/>			

## PROJECT DESCRIPTION

Final closure of the east side of the existing permitted landfill will include final grading, installation of an impermeable plastic cover, plumbing for the gas extraction system and a top cover of soil for vegetation. Also in 2015, staff will rent an excavator to bring the north face of the landfill to grade to meet the closure plans approved by the Department of Health's landfill permit.

## PROJECT ASSUMPTIONS

Current estimates are that the current landfill will be ready for closure in 2018. Annual capacity evaluations will be used to update this schedule. Funding for this closure phase will be available in a dedicated reserve within the Solid Waste Utility. These reserve funds have been and will continue to be set aside from customer rates.

## BENEFITS

Closure will meet regulator requirements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	200,000					200,000			
CONSTRUCTION MANAGEMENT	150,000						150,000		
CONSTRUCTION	3,000,000						3,000,000		
10% CONTINGENCY	-								
OTHER ENG. SERVICES	200,000						200,000		
<b>TOTAL</b>	<b>\$ 3,550,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 3,350,000</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
SOLID WASTE FUND (RESERVE FOR CLOSURE)	3,550,000					200,000	3,350,000		
<b>TOTAL</b>	<b>\$ 3,550,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 3,350,000</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



# Groundwater Contamination Management

Type of Project Solid Waste		Partnership Project? <input type="text" value="NO"/>	Project # <b>SW150007</b>
<b>Key #</b> 2	<b>Goal #</b> 2	Strategic Leadership Plan Project?	
PROJECT NAME: Groundwater Contamination Management			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: Horn Rapids Landfill			
PROJECT TIMELINE: 2016			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>			

## PROJECT DESCRIPTION

The project will install and begin sampling and laboratory analysis of water samples from a new monitoring well. This is needed to further define and contribute to the analysis and planning for remediation of existing groundwater contamination beneath the landfill.

## PROJECT ASSUMPTIONS

This project will lead to further work and costs in coming years as the analysis and remediation requirements of this issue are clarified. The project and future work assumes the availability of funds to support it.

## BENEFITS

This work is required and supports good environmental stewardship and regulatory compliance.

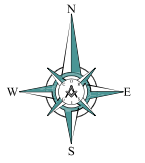
PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	45,000			45,000					
MONITORING	5,000			5,000					
	-								
	-								
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
SOLID WASTE RATE REVENUE	50,000			50,000					
	-								
	-								
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
MAINTENANCE / REPAIR (NON CAPITAL)	5,000	404-430-0004-594528-4403
CAPITAL ITEM	45,000	404-430-0006-594528-6403
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Stormwater





# Capital Improvement Plan

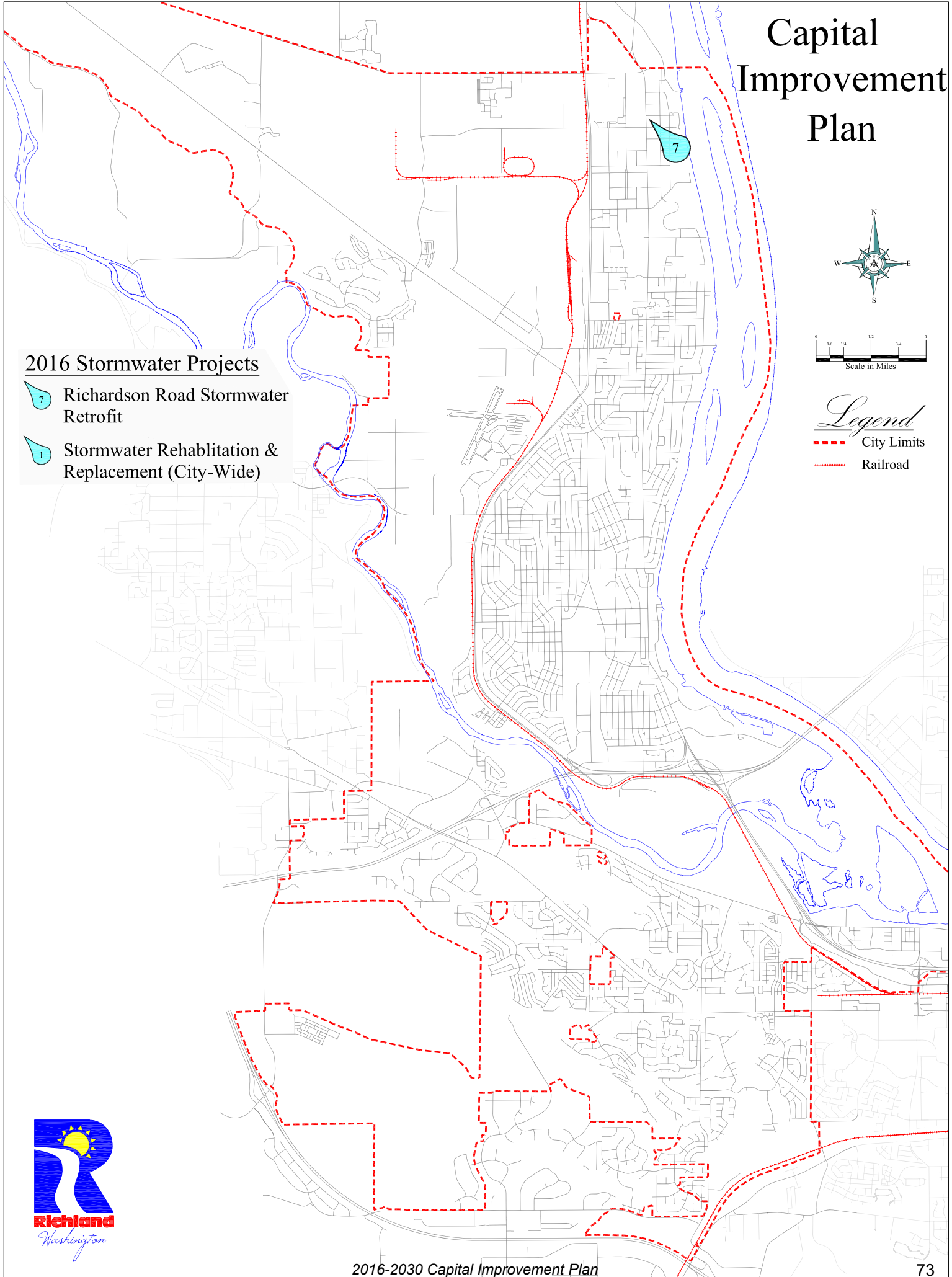


*Legend*

- City Limits
- Railroad

## 2016 Stormwater Projects

-  Richardson Road Stormwater Retrofit
-  Stormwater Rehabilitation & Replacement (City-Wide)





Capital Improvement Plan

2016 thru 2030

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Stormwater Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Stormwater</b>										
<b>PROJECT COSTS</b>										
Richardson Road Stormwater Retrofit	ST150007	0	0	116,667	0	0	0	0	0	116,667
Stormwater Rehabilitation & Replacement	ST130001	879,708	135,383	125,000	125,000	125,000	125,000	125,000	125,000	1,765,091
Stormwater Water Quality Retrofit Program	ST130006	795,000	0	0	270,000	0	270,000	0	270,000	1,605,000
<b>Stormwater Total:</b>		<b>1,674,708</b>	<b>135,383</b>	<b>241,667</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>3,486,758</b>
<b>FUNDING SOURCES</b>										
Grant		795,000	0	87,500	0	0	0	0	0	882,500
Grant Funds (Unsecured)		0	0	0	200,000	0	200,000	0	200,000	600,000
Port of Benton		0	0	29,167	0	0	0	0	0	29,167
Stormwater Rate Revenue		879,708	135,383	125,000	195,000	125,000	195,000	125,000	195,000	1,975,091
<b>Stormwater Total:</b>		<b>1,674,708</b>	<b>135,383</b>	<b>241,667</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>125,000</b>	<b>395,000</b>	<b>3,486,758</b>

# 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.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	1,765,091	879,708	135,383	125,000	125,000	125,000	125,000	125,000	125,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,765,091</b>	<b>\$ 879,708</b>	<b>\$ 135,383</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
STORMWATER RATE REVENUE	1,765,091	879,708	135,383	125,000	125,000	125,000	125,000	125,000	125,000
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,765,091</b>	<b>\$ 879,708</b>	<b>\$ 135,383</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
MAINTENANCE / REPAIR (NON CAPITAL)	25,000	405-440-0003-594530-3403
CAPITAL ITEM	100,000	405-440-0006-594530-6403
<b>TOTAL</b>	<b>\$ 125,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Stormwater Water Quality Retrofit Program

Type of Project

Stormwater

Partnership Project?

NO

Project #

ST130006

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Stormwater Water Quality Retrofit Program

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Various Locations

PROJECT TIMELINE: 2014 - 2021

RESPONSE TO \*GMA LEVEL OF SERVICE? NO

## PROJECT DESCRIPTION

Construct water quality improvement features on the existing storm drainage system.

## 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. This program assumes and will rely heavily on grant funds.

## BENEFITS

The completed projects will reduce pollutants in stormwater runoff, thus protecting the water resources in our City.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	120,000	120,000							
CONSTRUCTION MANAGEMENT	60,000	60,000							
CONSTRUCTION	1,369,091	559,091			270,000		270,000		270,000
10% CONTINGENCY	55,909	55,909							
OTHER ENG. SERVICES	-	-							
	-	-							
<b>TOTAL</b>	<b>\$ 1,605,000</b>	<b>\$ 795,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 270,000</b>	<b>\$ -</b>	<b>\$ 270,000</b>	<b>\$ -</b>	<b>\$ 270,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT-WA STATE DEPT OF ECOLOGY	120,000	120,000							
GRANT-WA STATE DEPT OF ECOLOGY	675,000	675,000							
GRANT - ECOLOGY (UNSECURED)	600,000				200,000		200,000		200,000
STORMWATER RATES	210,000				70,000		70,000		70,000
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,605,000</b>	<b>\$ 795,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 270,000</b>	<b>\$ -</b>	<b>\$ 270,000</b>	<b>\$ -</b>	<b>\$ 270,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Richardson Road Stormwater Retrofit

Type of Project

Stormwater

Partnership Project?

NO

Project #

ST150007

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Richardson Road Stormwater Retrofit

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: To be determined

PROJECT TIMELINE: 2016

RESPONSE TO \*GMA LEVEL OF SERVICE?

NO

## PROJECT DESCRIPTION

Construct a stormwater bio-retention pond east of the Richardson and 6th Street intersection.

## PROJECT ASSUMPTIONS

Project funding was provided by a Washington State Department of Ecology grant.

## BENEFITS

Improves the quality of water discharged from the City to the Columbia River.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	10,000			10,000					
CONSTRUCTION MANAGEMENT	10,000			10,000					
CONSTRUCTION	87,879			87,879					
10% CONTINGENCY	8,788			8,788					
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 116,667</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 116,667</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT-WA STATE DEPT OF ECOLOGY	87,500			87,500					
PORT OF BENTON	29,167			29,167					
	-								
	-								
<b>TOTAL</b>	<b>\$ 116,667</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 116,667</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\*** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

DESCRIPTION	2016	CODING
CAPITAL ITEM	116,667	405-440-0006-594530-6403
<b>TOTAL</b>	<b>\$ 116,667</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

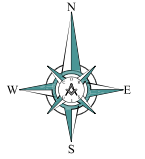
# Transportation











**CITY OF RICHLAND, WASHINGTON**  
CAPITAL IMPROVEMENT PLAN  
**2016 TO 2030**

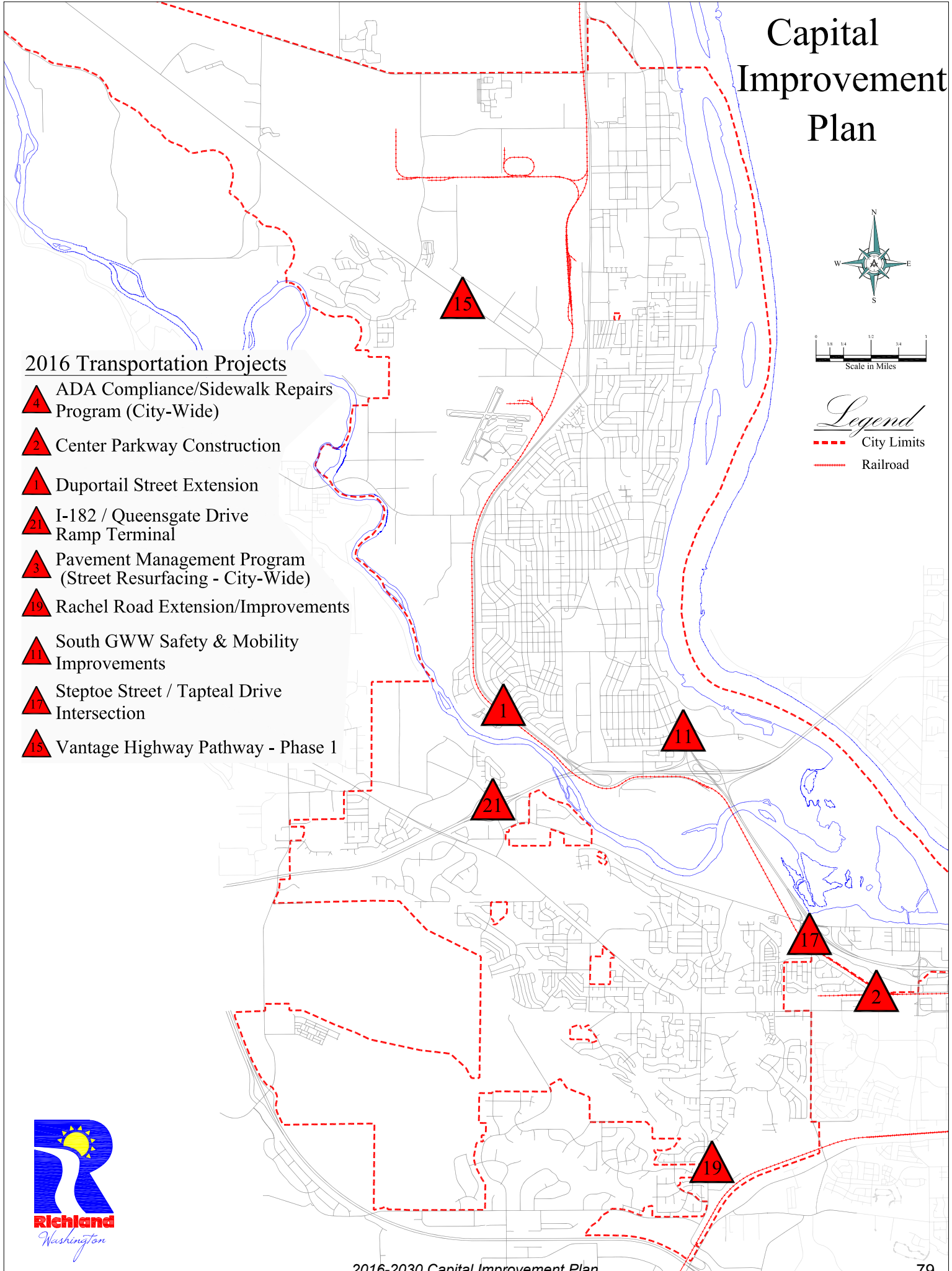


# Capital Improvement Plan



## 2016 Transportation Projects

-  ADA Compliance/Sidewalk Repairs Program (City-Wide)
-  Center Parkway Construction
-  Duportail Street Extension
-  I-182 / Queensgate Drive Ramp Terminal
-  Pavement Management Program (Street Resurfacing - City-Wide)
-  Rachel Road Extension/Improvements
-  South GWW Safety & Mobility Improvements
-  Steptoe Street / Tapteal Drive Intersection
-  Vantage Highway Pathway - Phase 1





# Capital Improvement Plan

2016 thru 2030

12/30/2015 1:33:26 PM  
FIN-BUD-CIP-002-

## Transportation Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Transportation</b>										
<b>PROJECT COSTS</b>										
ADA Compliance / Sidewalk Repairs Program	TR130004	238,854	308,187	100,000	100,000	100,000	100,000	100,000	100,000	1,147,041
Bellerive Drive Extension	TR150024	0	0	0	0	0	10,000	10,000	50,000	70,000
Center Parkway Construction	TR130002	2,731,838	2,289,440	416,930	0	0	0	0	0	5,438,208
Columbia Park Trail Improvements - East	TR140016	0	0	0	150,000	1,700,000	0	0	0	1,850,000
Duportail Bridge	TR130001	2,226,900	1,234,661	1,050,000	4,527,000	20,319,000	11,094,000	0	0	40,451,561
Duportail Street Extension	TR130005	450,000	1,952,280	0	0	0	0	0	0	2,402,280
Duportail Street Reconstruction	TR130006	225,000	1,142,610	0	0	0	0	0	0	1,367,610
Gage Boulevard Improvements	TR150023	0	0	0	0	0	0	75,000	750,000	825,000
I-182 / Queensgate Drive Ramp Terminal Improvements	TR150021	0	0	150,000	2,700,000	0	0	0	0	2,850,000
Pavement Management Program (Street Resurfacing)	TR130003	14,270,110	1,270,234	1,205,000	2,000,000	2,500,000	3,000,000	3,000,000	3,000,000	30,245,344
Queensgate Drive - Phase II	TR150025	0	0	0	0	0	300,000	500,000	2,600,000	3,400,000
Queensgate Drive / Columbia Park Trail Improvements	TR150022	0	0	0	0	0	1,600,000	0	0	1,600,000
Queensgate Drive Extension	TR140018	51,150	0	0	0	0	150,000	898,850	0	1,100,000
Queensgate Pathway	TR130008	0	125,470	0	0	0	0	0	0	125,470
Rachael Road Extension/Improvements	TR140019	0	0	150,000	0	0	400,000	1,800,000	0	2,350,000
South GWW Safety & Mobility Improvements	TR130011	52,829	100,007	100,000	200,000	200,000	750,000	6,644,502	0	8,047,338
Stephoe Street / Taptal Drive Intersection Improvements	TR140017	0	0	80,000	50,000	1,700,000	0	0	0	1,830,000
Stevens Drive Pathway	TR150026	0	0	0	0	70,000	880,000	0	0	950,000
Vantage Highway Pathway - Phase I	TR130015	0	320,424	23,576	0	0	0	0	0	344,000
Vantage Highway Pathway - Phase II	TR140020	0	0	0	0	150,000	520,000	0	0	670,000
Vantage Highway Pathway - Phase III	TR150027	0	0	0	0	0	0	50,000	550,000	600,000
<b>Transportation Total:</b>		<b>20,246,681</b>	<b>8,743,313</b>	<b>3,275,506</b>	<b>9,727,000</b>	<b>26,739,000</b>	<b>18,804,000</b>	<b>13,078,352</b>	<b>7,050,000</b>	<b>107,663,852</b>

### FUNDING SOURCES

2013 BFCOG STP Funding Dist	4,424	1,043,684	0	0	0	0	0	0	0	1,048,108
Bond Proceeds	0	0	0	417,000	3,869,000	3,714,000	0	0	0	8,000,000
Business License Reserve Fund	0	0	25,700	25,000	25,000	25,000	25,000	25,000	25,000	150,700
CDBG Funds	86,455	289,760	64,300	65,000	65,000	65,000	65,000	65,000	65,000	765,515
City of Kennewick (RR Negotiation)	1,070,278	0	0	0	0	0	0	0	0	1,070,278
Developer Contribution (ROW)	0	136,000	0	0	0	0	0	0	0	136,000
Federal Appropriation (2013 Budget)	325,383	0	0	0	0	0	0	0	0	325,383
General Fund	806,434	1,018,920	368,000	930,000	930,000	930,000	930,000	930,000	930,000	6,843,354
Grant	1,238,338	3,532,008	0	3,170,000	12,450,000	6,380,000	0	0	0	26,770,346
Grant - STP - Urban	524,990	0	0	0	0	0	0	0	0	524,990
Grant Funds (Unsecured)	0	204,739	416,930	3,400,000	5,975,829	3,053,800	6,357,377	1,198,750	0	20,607,425
Impact Fees	51,150	0	300,000	0	0	880,000	2,680,850	0	0	3,912,000
Industrial Development Fund	500,000	0	0	0	0	0	0	0	0	500,000
LTGO 98 Fund	715,000	0	0	0	0	0	0	0	0	715,000
Private Partner	0	0	40,000	0	0	0	0	0	0	40,000
Public Works Trust Fund Loan	750,000	0	0	0	0	0	0	0	0	750,000
REET-RE Excise Tax 1st 1/4%	621,299	208,562	50,000	10,000	44,171	486,200	230,125	101,250	0	1,751,607
REET-RE Excise Tax 2nd 1/4%	3,050,064	355,000	473,576	450,000	340,000	310,000	510,000	310,000	0	5,798,640
Solid Waste Closure	0	0	1,000,000	440,000	0	0	0	0	0	1,440,000
STP Fund (Secured-COG)	57,158	1,798,842	0	0	0	0	0	0	0	1,856,000
Street Fund - Fuel Tax	1,665,957	142,291	0	0	0	0	0	0	0	1,808,248
Street Fund - Utility Charges	2,664,017	0	0	0	0	0	0	0	0	2,664,017
Street Fund - Utility Occupation Tax	6,129,241	0	0	0	0	0	0	0	0	6,129,241
Streets M&O Fund	0	0	537,000	0	0	0	0	0	0	537,000
Unfunded	0	0	0	820,000	3,040,000	2,960,000	2,280,000	4,420,000	0	13,520,000
<b>Transportation Total:</b>		<b>20,260,188</b>	<b>8,729,806</b>	<b>3,275,506</b>	<b>9,727,000</b>	<b>26,739,000</b>	<b>18,804,000</b>	<b>13,078,352</b>	<b>7,050,000</b>	<b>107,663,852</b>

# Duportail Bridge

Type of Project Transportation		Partnership Project? <input type="checkbox"/> YES	Project # <b>1R130001</b>
Key # <b>2</b>	Goal # <b>1</b>	Strategic Leadership Plan Project? <input type="checkbox"/> Yes	
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 - 2018			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> 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 a combined bike/pedestrian pathway on the north 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 by reducing the need to merge onto I-182 at 70 mph. 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

Partial funding for this project has been included in the State Transportation Improvement Legislation approved by the 2015 Legislature and Governor Inslee. Completing the project on schedule will require assembling the remaining needed funds and completing right of way acquisition and engineering design. The project design is at a preliminary level, so some uncertainty about cost details remains and is a project vulnerability. The funding plan shown is subject to change since staff will continue to pursue grant funds to contribute to this project. The short term debt (\$1,440,000) will need to be refinanced and is not shown on this sheet. Repayment could be by additional bond funds or some other source.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN & ENVIRONMENTAL REVIEW	3,644,311	2,196,542	7,769	1,000,000	440,000				
RIGHT OF WAY ACQUISITION	1,257,250	30,358	1,226,892						
CONSTRUCTION	30,400,000				3,500,000	17,400,000	9,500,000		
10% CONTINGENCY	3,040,000				350,000	1,740,000	950,000		
CONSTRUCTION MANAGEMENT	2,060,000				237,000	1,179,000	644,000		
GRANT APPLICATION PREPARATION	50,000			50,000					
<b>TOTAL</b>	<b>\$ 40,451,561</b>	<b>\$ 2,226,900</b>	<b>\$ 1,234,661</b>	<b>\$ 1,050,000</b>	<b>\$ 4,527,000</b>	<b>\$ 20,319,000</b>	<b>\$ 11,094,000</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
STP - URBAN GRANT	524,990	524,990							
RE EXCISE TAX 2ND 1/4%	97,000	47,000		50,000					
STREET FUND - FUEL TAX	208,189	208,189							
PUBLIC WORKS TRUST FUND LOAN	750,000	750,000							
GENERAL FUND (IN LIEU OF PWF DEBT SVC)	257,891	66,914	190,977						
FEDERAL APPROPRIATION (2013 BUDGET)	325,383	325,383							
LTGO 98 FUND	300,000	300,000							
2013 BFCOG STP FUNDING DIST.	1,048,108	4,424	1,043,684						
WASHINGTON STATE GRANT	20,000,000				3,170,000	11,200,000	5,630,000		
WSDOT SR 240 PROJECT FUNDS	2,000,000					1,250,000	750,000		
BFCOG STP FUNDING DIST (UNSECURED)	1,500,000				500,000	500,000	500,000		
TRANS IMP. BOARD GRANT (UNSECURED)	4,000,000					3,500,000	500,000		
GENERAL OB. BONDS (TBD)	8,000,000				417,000	3,869,000	3,714,000		
SOLID WASTE CLOSURE (INTERFUND LOAN)	1,440,000			1,000,000	440,000				
<b>TOTAL</b>	<b>\$ 40,451,561</b>	<b>\$ 2,226,900</b>	<b>\$ 1,234,661</b>	<b>\$ 1,050,000</b>	<b>\$ 4,527,000</b>	<b>\$ 20,319,000</b>	<b>\$ 11,094,000</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
DESCRIPTION	2016	CODING
CAPITAL ITEM	1,050,000	301-402-0046-595300-6302
<b>TOTAL</b>	<b>\$ 1,050,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Center Parkway Construction

Type of Project		Partnership Project?	Project #	
Transportation		YES	TR130002	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME:	Center Parkway Construction			
PROJECT ADMINISTRATION:	Public Works Administration and Engineering			
PROJECT LOCATION:	Center Parkway from Gage Blvd to Tapteal Drive			
PROJECT TIMELINE:	2008 - 2016			
RESPONSE TO *GMA LEVEL OF SERVICE?	YES			

## PROJECT DESCRIPTION

Construction of 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 assumes successful litigation with TCRR and available grant funding.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	50,000		50,000						
CONSTRUCTION MANAGEMENT	50,000		50,000						
CONSTRUCTION	2,040,464		1,623,534	416,930					
10% CONTINGENCY	212,353		212,353						
OTHER ENG. SERV (RROAD NEGOTIATIONS)	2,305,391	2,305,391							
OTHER ENG. SERV (ROW ACQUISITION)	780,000	426,447	353,553						
TOTAL	\$ 5,438,208	\$ 2,731,838	\$2,289,440	\$ 416,930	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
REVITALIZATION GRANT CITY MATCH	86,500	86,500							
STREET FUND-FUEL TAX	13,500	13,500							
INDUSTRIAL DEVELOPMENT FUND	500,000	500,000							
CITY OF KENNEWICK (RR NEGOTIATION)	1,070,278	1,070,278							
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	250,000	45,000						
TIB GRANT	644,000	339,402	304,598						
DEVELOPER CONTRIBUTION (ROW)	136,000		136,000						
STP FUND (SECURED-COG)	1,856,000	57,158	1,798,842						
TIB GRANT (UNSECURED)	116,930			116,930					
STP FUND (UNSECURED-COG)	300,000			300,000					
TOTAL	\$ 5,438,208	\$ 2,731,838	\$2,289,440	\$ 416,930	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
CAPITAL ITEM	416,930	301-402-0046-595300-6369
TOTAL	\$ 416,930	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Pavement Management Program (Street Resurfacing)

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

## PROJECT DESCRIPTION

Resurfacing, associated drainage and pedestrian facility repairs to arterial and local streets.

## PROJECT ASSUMPTIONS

This project is funded by an allocation from the General Fund. Competing demands for General Fund revenues could require adjustments to the program. The current level of funding has been shown to be inadequate to sustain the street infrastructure in an acceptable condition. The program assumes an infusion of new revenues to meet a Council-selected street condition standard. The Council has not yet selected their desired standard, so the funding needs are subject to change based on Council deliberations.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	30,245,344	14,270,110	1,270,234	1,205,000	2,000,000	2,500,000	3,000,000	3,000,000	3,000,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 30,245,344	\$14,270,110	\$1,270,234	\$ 1,205,000	\$2,000,000	\$ 2,500,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
STREET FUND-FUEL TAX	1,586,559	1,444,268	142,291	-	-	-	-	-	-
STREET FUND-UTILITY CHARGES	2,664,017	2,664,017	-	-	-	-	-	-	-
STREET FUND- UTILITY OCCUPATION TAX	6,129,241	6,129,241	-	-	-	-	-	-	-
GENERAL FUND	6,585,463	739,520	827,943	368,000	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%	4,758,064	2,658,064	300,000	300,000	300,000	300,000	300,000	300,000	300,000
STREETS M&O FUND	537,000	-	-	537,000	-	-	-	-	-
UNFUNDED	7,350,000	-	-	-	770,000	1,270,000	1,770,000	1,770,000	1,770,000
TOTAL	\$ 30,245,344	\$14,270,110	\$1,270,234	\$ 1,205,000	\$2,000,000	\$ 2,500,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	1,205,000	301-402-0046-595300-6262
<b>TOTAL</b>	<b>\$ 1,205,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# ADA Compliance / Sidewalk Repair Program

Type of Project Transportation		Partnership Project? <input type="text" value="NO"/>	Project # <b>TR130004</b>
Key # <b>2</b>	Goal # <b>2</b>	Strategic Leadership Plan Project? <b>No</b>	
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

In 2015 the City is working to complete an ADA Transition plan to identify systematic replacement of non-ADA compliant intersection pedestrian ramps. This program will repair and/or replace 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.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,147,041	238,854	308,187	100,000	100,000	100,000	100,000	100,000	100,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 1,147,041</b>	<b>\$ 238,854</b>	<b>\$ 308,187</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
RE EXCISE TAX 1ST 1/4%	190,826	152,399	18,427	10,000	10,000				
RE EXCISE TAX 2ND 1/4%	40,000					10,000	10,000	10,000	10,000
CDBG FUNDS	765,515	86,455	289,760	64,300	65,000	65,000	65,000	65,000	65,000
BUSINESS LICENSE RESERVE	150,700			25,700	25,000	25,000	25,000	25,000	25,000
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,147,041</b>	<b>\$ 238,854</b>	<b>\$ 308,187</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
<b>DESCRIPTION</b>	<b>2016</b>	<b>CODING</b>
CAPITAL ITEM	100,000	301-402-0046-595610-6391
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Duportail Street Extension

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 new street with sidewalks, curb and gutter, water, sewer, storm drainage, street lights and bike lanes, including intersection improvements at Duportail Street and Thayer Drive. The new Duportail / Thayer intersection will be a roundabout.

## PROJECT ASSUMPTIONS

The project requires acquisition of private property rights for street right of way. Acquisition is planned for the second half of 2015 to facilitate construction in the first half of 2016.

## BENEFITS

This project will provide improved connectivity and mobility as part of the Duportail / Stevens corridor improvements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	125,000	125,000							
CONSTRUCTION MANAGEMENT	62,500		62,500						
CONSTRUCTION	1,422,530		1,422,530						
10% CONTINGENCY	142,250		142,250						
OTHER ENG. SRCES (ROW ACQUISITION)	650,000	325,000	325,000						
	-								
<b>TOTAL</b>	<b>\$ 2,402,280</b>	<b>\$ 450,000</b>	<b>\$1,952,280</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
TIB FUNDS (SECURED)	2,232,830	360,000	1,872,830						
RE EXCISE TAX 1ST 1/4%	79,450		79,450						
RE EXCISE TAX 2ND 1/4%	90,000	90,000							
	-								
	-								
<b>TOTAL</b>	<b>\$ 2,402,280</b>	<b>\$ 450,000</b>	<b>\$1,952,280</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Duportail Street Reconstruction

Type of Project Transportation		Partnership Project? NO	Project # TR130006	
Key # 2	Goal # 1	Strategic Leadership Plan Project? No		
PROJECT NAME: Duportail Street Reconstruction				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Duportail Street from Cottonwood Drive to Thayer Drive				
PROJECT TIMELINE: 2014 - 2015				
RESPONSE TO *GMA LEVEL OF SERVICE? YES				

## PROJECT DESCRIPTION

Reconstruct roadway to provide 2 travel lanes, bike lanes, curb, gutter & sidewalk on both sides, storm drainage, and street lights. Based on community design development process the project will also include on-street parking features. Also includes reconfiguring the Duportail Street / Wright Avenue intersection to a roundabout.

## PROJECT ASSUMPTIONS

The project requires acquisition of private property rights for street right of way. The acquisition is planned for the second half of 2015 to support construction in the first half of 2016.

## BENEFITS

Improve the current unsatisfactory roadway surface and provide bicycle and pedestrian features as part of Duportail / Stevens Corridor improvements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	125,000	125,000							
CONSTRUCTION MANAGEMENT	62,500		62,500						
CONSTRUCTION	981,920		981,920						
10% CONTINGENCY	98,190		98,190						
OTHER ENG. SERVICES (ROW ACQUISITION)	100,000	100,000							
-	-								
TOTAL	\$ 1,367,610	\$ 225,000	\$1,142,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
TIB FUNDS (SECURED)	659,090	200,000	459,090						
RE EXCISE TAX 1ST 1/4%	-								
RE EXCISE TAX 2ND 1/4%	5,000	5,000	-						
STP-UL FUNDS (SECURED)	683,520		683,520						
TAP-UL FUNDS (SECURED)	20,000	20,000							
-	-								
-	-								
TOTAL	\$ 1,367,610	\$ 225,000	\$1,142,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
-	-								
-	-								
-	-								
-	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



# Queensgate Pathway

Type of Project		Partnership Project?	Project #	
Transportation		NO	TR130008	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME: Queensgate Pathway				
PROJECT ADMINISTRATION: Public Works Administration and Engineering				
PROJECT LOCATION: Queensgate Drive from Keene Road to Columbia Park Trail				
PROJECT TIMELINE: 2014 - 2015				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

## PROJECT DESCRIPTION

Construct a 12' asphalt multi-use pathway on the east side of Queensgate Drive.

## PROJECT ASSUMPTIONS

The project received TAP-UL funds from the Benton Franklin Council of Governments, which is estimated to complete the needed funding. No matching funds are required. The project development will include design and environmental reviews, which may introduce unforeseen issues to be addressed. In addition, Public Works is currently conducting a transportation planning study on the future needs for Queensgate, which may result in changes to the alignment and placement of the pathway. The study should be complete in late 2014.

## BENEFITS

This project will provide safer mobility for bicycle and pedestrian users and complete an off-road connection to a regional system of trails.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	15,000		15,000						
CONSTRUCTION MANAGEMENT	3,060		3,060						
CONSTRUCTION	61,280		61,280						
10% CONTINGENCY	6,130		6,130						
OTHER ENG. SRCES (ROW ACQUISITION)	40,000		40,000						
<b>TOTAL</b>	<b>\$ 125,470</b>	<b>\$ -</b>	<b>\$ 125,470</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
TAP-UL FUNDS (SECURED)	125,470		125,470						
<b>TOTAL</b>	<b>\$ 125,470</b>	<b>\$ -</b>	<b>\$ 125,470</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# South GWW Safety & Mobility Improvements

Type of Project Transportation		Partnership Project? <input type="text" value="NO"/>	Project # <b>TR130011</b>
Key # <b>2</b>	Goal # <b>1</b>	Strategic Leadership Plan Project? <b>No</b>	
PROJECT NAME: South GWW Safety & Mobility Improvements			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: George Washington Way from I-182 to Comstock			
PROJECT TIMELINE: 2013 - 2020			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="YES"/>			

## PROJECT DESCRIPTION

Upgrade and reconfigure the intersection of George Washington Way & Columbia Point Dr. / Adams St. to improve intersection capacity and safety. The specific design features will be determined by City Council after the several alternative designs are fully developed and analyzed.

## PROJECT ASSUMPTIONS

The project 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. Advancing the project will require Council to select a design concept.

## 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 can contribute mightily to the City's future improvement.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	652,836	52,829	100,007	100,000	200,000	200,000			
CONSTRUCTION MANAGEMENT	248,000							248,000	
CONSTRUCTION	5,776,820							5,776,820	
10% CONTINGENCY	619,682							619,682	
OTHER ENG. SRCES (ROW ACQUISITION)	750,000						750,000		
	-								
TOTAL	\$ 8,047,338	\$ 52,829	\$ 100,007	\$ 100,000	\$ 200,000	\$ 200,000	\$ 750,000	\$ 6,644,502	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
HSIP FUNDS (SECURED)	32,436	32,436							
STP-UL FUNDS (SECURED)	86,500		86,500						
RE EXCISE TAX 1ST 1/4%	433,900	20,393	13,507					200,000	200,000
RE EXCISE TAX 2ND 1/4%	330,000			100,000		30,000		200,000	200,000
WSDOT BIKE/PED GRANT (UNSECURED)	1,000,000							1,000,000	
TIB GRANT (UNSECURED)	4,494,502						250,000	4,244,502	
STP FUNDS (UNSECURED - COG)	1,670,000				200,000	170,000	300,000	1,000,000	
	-								
TOTAL	\$ 8,047,338	\$ 52,829	\$ 100,007	\$ 100,000	\$ 200,000	\$ 200,000	\$ 750,000	\$ 6,644,502	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	100,000	301-402-0046-595300-6388
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Vantage Highway Pathway - Phase 1

Type of Project Transportation	Partnership Project? NO	Project # TR130015
Key # 2	Goal # 1	Strategic Leadership Plan Project? No
PROJECT NAME:	Vantage Highway Pathway - Phase 1	
PROJECT ADMINISTRATION:	Public Works Administration and Engineering	
PROJECT LOCATION:	Along SR-240 from Robertson Drive to Kingsgate Way	
PROJECT TIMELINE:	2015 - 2016	
RESPONSE TO *GMA LEVEL OF SERVICE?	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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	30,000		30,000						
CONSTRUCTION MANAGEMENT	19,000		19,000						
CONSTRUCTION	272,552		248,976	23,576					
10% CONTINGENCY	12,448		12,448						
OTHER ENG. SRCES (ROW ACQUISITION)	10,000		10,000						
	-								
<b>TOTAL</b>	<b>\$ 344,000</b>	<b>\$ -</b>	<b>\$ 320,424</b>	<b>\$ 23,576</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT FUNDS (UNSECURED)	204,739		204,739						
RE EXCISE TAX 1ST 1/4%	105,685		105,685						
RE EXCISE TAX 2ND 1/4%	33,576		10,000	23,576					
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 344,000</b>	<b>\$ -</b>	<b>\$ 320,424</b>	<b>\$ 23,576</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>**FOR FINANCE STAFF USE ONLY**</b>			<b>ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
<b>DESCRIPTION</b>	<b>2016</b>	<b>CODING</b>			
CAPITAL ITEM	23,576	301-402-0046-595600-6356			
<b>TOTAL</b>	<b>\$ 23,576</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>			

# Columbia Park Trail Improvements - East

Type of Project Transportation		Partnership Project? <input type="text" value="NO"/>	Project # TR140016
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="text" value="No"/>	
PROJECT NAME: <input type="text" value="Columbia Park Trail Improvements - East"/>			
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>			
PROJECT LOCATION: <input type="text" value="Benton-Franklin Transit office to East City Limits"/>			
PROJECT TIMELINE: <input type="text" value="2015 - 2018"/>			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="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.

## PROJECT ASSUMPTIONS

The project will require grant funds. The project presents an opportunity to leverage a stormwater water quality treatment retrofit project and grant funding with the street improvement project. Both the street improvements and stormwater treatment features will require grant funds. 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 be advanced as the project rises in the overall transportation priority.

## 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.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	150,000				150,000				
CONSTRUCTION MANAGEMENT	50,000					50,000			
CONSTRUCTION	1,500,000					1,500,000			
10% CONTINGENCY	150,000					150,000			
OTHER ENG. SRCES	-								
<b>TOTAL</b>	<b>\$ 1,850,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 1,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT FUNDS (UNSECURED - TIB)	1,376,079					1,376,079			
RE EXCISE TAX 1ST 1/4%	23,921					23,921			
RE EXCISE TAX 2ND 1/4%	150,000				150,000				
GRANT FUNDS (UNSECURED - ECOLOGY)	300,000					300,000			
<b>TOTAL</b>	<b>\$ 1,850,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 1,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Step toe Street / Tap teal Drive Intersection Improvements

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

Realign Tap teal Drive and Step toe Street intersection by constructing a new intersection. Also includes sidewalks, street lights, storm drainage and a fully signalized and gated at-grade railroad crossing.

## PROJECT ASSUMPTIONS

This project will advance as the demand for commercial development in the Tap teal Business Park dictates. The current retail construction environment is far better than in recent years, so preparation of this area for development is timely. The 2016 pre-design study is needed to resolve concerns regarding the interaction between the at-grade railroad crossing and the desired improvements to the street intersection. Preliminary consultations with the three railroads suggest that the study will yield an acceptable solution, but the outcome of formal processes to secure railroad approval are uncertain.

## BENEFITS

The project would enhance transportation efficiency to the Tap teal 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PRE-DESIGN STUDY	80,000			80,000					
DESIGN	100,000					100,000			
CONSTRUCTION MANAGEMENT	75,000					75,000			
CONSTRUCTION	1,350,000					1,350,000			
10% CONTINGENCY	125,000					125,000			
OTHER ENG. SRCES (ROW ACQUISITION)	100,000				50,000	50,000			
	-								
<b>TOTAL</b>	<b>\$ 1,830,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ 50,000</b>	<b>\$ 1,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
UNFUNDED	1,750,000				50,000	1,700,000			
RE EXCISE TAX 1ST 1/4%	40,000			40,000					
PRIVATE PARTNER	40,000			40,000					
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,830,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ 50,000</b>	<b>\$ 1,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	80,000	301-402-0046-595300-6386
<b>TOTAL</b>	<b>\$ 80,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# 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: 2017 - 2018				
RESPONSE TO *GMA LEVEL OF SERVICE? NO				

## PROJECT DESCRIPTION

Construct a two-lane street with curb, gutter, sidewalk, street lights and storm drainage facilities on both sides. Modify the Keene / Queensgate traffic signal as needed.

## PROJECT ASSUMPTIONS

This project is the highest priority element of the South Richland collector street system remaining to be completed and, as such, will be the first one to be constructed as funds are accumulated in this fund. 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 program. The City will complete the project only if it appears there is no action by the property owner to do so 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	50,000						50,000		
CONSTRUCTION MANAGEMENT	48,850							48,850	
CONSTRUCTION	772,727							772,727	
10% CONTINGENCY	77,273							77,273	
OTHER ENG. SRCES (ROW ACQUISITION)	100,000						100,000		
OTHER ENG. SRCES (STUDY)	51,150	51,150							
TOTAL	\$ 1,100,000	\$ 51,150	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 898,850	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
TRAFFIC IMPACT FEES	1,062,000	51,150					130,000	880,850	
GRANT FUNDS (UNSECURED)	38,000						20,000	18,000	
	-								
	-								
	-								
TOTAL	\$ 1,100,000	\$ 51,150	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 898,850	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Rachel Road Extension/Improvements

Type of Project		Partnership Project?	Project #	
Transportation		NO	TR140019	
Key #	Goal #	Strategic Leadership Plan Project?		No
2	1			
PROJECT NAME:	Rachel Road Extension/Improvements			
PROJECT ADMINISTRATION:	Public Works Administration and Engineering			
PROJECT LOCATION:	Rachel Road from Leslie Road to Steptoe Street			
PROJECT TIMELINE:	2018 - 2020			
RESPONSE TO *GMA LEVEL OF SERVICE?	NO			

## PROJECT DESCRIPTION

Construct a two-lane collector road with pedestrian and bicycle facilities on both sides of the street. Left turn lanes will be constructed where needed. The first work item to occur will be an alignment study to evaluate alternative alignments along with a no-build alternative.

## PROJECT ASSUMPTIONS

A major segment of this street will be constructed as part of the Clearwater Creek subdivision. The remaining segment, crossing the Amon Basin Nature Preserve, will most likely be implemented as a City project. This will rely on the City Council selecting a design alignment and funding becoming available. In addition, the City's segment does not have a final selected alignment, so a planning study will precede design to select a preferred alignment. Finally, the City's segment will only be constructed after full funding is available.

## BENEFITS

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

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	100,000						100,000		
CONSTRUCTION MANAGEMENT	100,000							100,000	
CONSTRUCTION	1,545,455							1,545,455	
10% CONTINGENCY	154,545							154,545	
OTHER ENG. SRCES (ROW ACQUISITION)	300,000						300,000		
OTHER ENG. SRCES (STUDY)	150,000			150,000					
<b>TOTAL</b>	<b>\$ 2,350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ 1,800,000</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
TRAFFIC IMPACT FEES	2,350,000			150,000			400,000	1,800,000	
<b>TOTAL</b>	<b>\$ 2,350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ 1,800,000</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>**FOR FINANCE STAFF USE ONLY**</b>			<b>ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
DESCRIPTION	2016	CODING			
NON-CAPITAL ITEM	150,000	301-402-0044-595300-4117			
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>			

# 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.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	50,000					50,000			
CONSTRUCTION MANAGEMENT	20,000						20,000		
CONSTRUCTION	454,545						454,545		
10% CONTINGENCY	45,455						45,455		
OTHER ENG. SRCES (ROW ACQUISITION)	100,000					100,000			
	-								
<b>TOTAL</b>	<b>\$ 670,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 520,000</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT FUNDS (UNSECURED)	579,550					129,750	449,800		
RE EXCISE TAX 1ST 1/4%	90,450					20,250	70,200		
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 670,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 520,000</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



# I-182 / Queensgate Drive Ramp Terminal Improvements

Type of Project Transportation		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="No"/>	<b>Project #</b> <input type="text" value="1R150021"/>
<b>Key #</b> <input type="text" value="2"/>	<b>Goal #</b> <input type="text" value="1"/>	<i>Strategic Leadership Plan Project?</i> <input type="text" value=""/>	<i>No</i> <input type="text" value=""/>	
PROJECT NAME: <input type="text" value="I-182 / Queensgate Drive Ramp Terminal Improvements"/>				
PROJECT ADMINISTRATION: <input type="text" value="Public Works Administration and Engineering"/>				
PROJECT LOCATION: <input type="text" value="Queensgate Drive from Columbia Park Trail to Skyline Drive"/>				
PROJECT TIMELINE: <input type="text" value="2016-2017"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

## PROJECT DESCRIPTION

Reconfigure the I-182 westbound ramp terminals by restriping to add a northbound left-turn lane. Reconfigure the signalized I-182 eastbound ramp terminals by constructing a roundabout and adding a lane to the eastbound on-ramp.

## PROJECT ASSUMPTIONS

Design approval from the Washington State Department of Transportation will be required. In addition, the project design is very preliminary at this point, so the final design may require acquisition of right of way or a change in cost as the design matures.

## BENEFITS

The project will be implemented to reduce congestion near the interchange.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	150,000			150,000					
CONSTRUCTION MANAGEMENT	150,000				150,000				
CONSTRUCTION	2,250,000				2,250,000				
10% CONTINGENCY	250,000				250,000				
OTHER ENG. SRCES (ROW ACQUISITION)	50,000				50,000				
	-								
<b>TOTAL</b>	<b>\$ 2,850,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 2,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
TRAFFIC IMPACT FEE	150,000			150,000					
GRANT FUNDS (UNSECURED)	2,700,000				2,700,000				
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 2,850,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 2,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
CAPITAL ITEM	150,000	301-402-0046-595300-6328
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Queensgate Drive / Columbia Park Trail Improvements

Type of Project Transportation	Partnership Project? <input type="checkbox"/> NO	Waterfront Project? <input type="checkbox"/> No	Project # TR150022
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="checkbox"/> No	
PROJECT NAME:	Queensgate Drive / Columbia Park Trail Improvements		
PROJECT ADMINISTRATION:	Public Works Administration and Engineering		
PROJECT LOCATION:	Queensgate Drive from Jericho to I-182 Eastbound Ramp Terminal		
PROJECT TIMELINE:	2019-2020		
RESPONSE TO *GMA LEVEL OF SERVICE?	<input type="checkbox"/> NO		

## PROJECT DESCRIPTION

Reconfigure the Queensgate Drive / Columbia Park Trail intersection by constructing a roundabout and extending Columbia Park Trail west to Jericho Court. Queensgate Drive will be widened to accommodate 4 travel lanes between Jericho Road and the I-182 eastbound ramp terminals. All streets will include curb, gutter, sidewalk, street lights, storm drainage and other utilities.

## PROJECT ASSUMPTIONS

The project may require right of way acquisition and some wetland impact mitigation. The design is very preliminary at this point and the scope and cost could change as the design matures. The project schedule will adjust to coincide with available funding and Council priorities.

## BENEFITS

The project will reduce congestion and improve connectivity in this busy area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	120,000						120,000		
CONSTRUCTION MANAGEMENT	80,000						80,000		
CONSTRUCTION	1,181,818						1,181,818		
10% CONTINGENCY	118,182						118,182		
OTHER ENG. SRCES (ROW ACQUISITION)	100,000						100,000		
	-								
<b>TOTAL</b>	<b>\$ 1,600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,600,000</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT FUNDS (UNSECURED)	1,034,000						1,034,000		
RE EXCISE TAX 1ST 1/4%	216,000						216,000		
TRAFFIC IMPACT FEE	350,000						350,000		
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,600,000</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Gage Boulevard Improvements

Type of Project Transportation		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="NO"/>	Project # TR150023
Key # 2	Goal # 1	Strategic Leadership Plan Project? <input type="text" value="No"/>		
PROJECT NAME: <input style="width: 90%;" type="text" value="Gage Boulevard Improvements"/>				
PROJECT ADMINISTRATION: <input style="width: 90%;" type="text" value="Public Works Administration and Engineering"/>				
PROJECT LOCATION: <input style="width: 90%;" type="text" value="Gage Blvd. from Penny Royal to Morency Drive"/>				
PROJECT TIMELINE: <input style="width: 80%;" type="text" value="2020-2021"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

## PROJECT DESCRIPTION

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

## PROJECT ASSUMPTIONS

## BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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	-								
	-								
<b>TOTAL</b>	<b>\$ 825,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ 750,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT FUNDS (UNSECURED)	713,625							64,875	648,750
RE EXCISE TAX 1ST 1/4%	111,375							10,125	101,250
	-								
	-								
<b>TOTAL</b>	<b>\$ 825,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ 750,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Bellerive Drive Extension

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="TR150024"/>
Key #	Goal #	Strategic Leadership Plan Project?		No		
2	1					
PROJECT NAME:	<input type="text" value="Bellerive Drive Extension"/>					
PROJECT ADMINISTRATION:	<input type="text" value="Public Works Administration and Engineering"/>					
PROJECT LOCATION:	<input type="text" value="Bellerive Drive from Rachel Road to 100 feet south of Wenatchee Lane"/>					
PROJECT TIMELINE:	<input type="text" value="2019-2021"/>					
RESPONSE TO *GMA LEVEL OF SERVICE?	<input type="text" value="NO"/>					

## PROJECT DESCRIPTION

Construct a new 2-lane street with curb, gutter, sidewalk, bike lanes, street lights and storm drainage facilities.

## PROJECT ASSUMPTIONS

## BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	10,000						10,000		
CONSTRUCTION MANAGEMENT	5,000								5,000
CONSTRUCTION	40,909								40,909
10% CONTINGENCY	4,091								4,091
OTHER ENG. SRCES	10,000							10,000	
-	-								
<b>TOTAL</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 50,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
UNFUNDED	70,000						10,000	10,000	50,000
RE EXCISE TAX 1ST 1/4%	-								
-	-								
-	-								
-	-								
<b>TOTAL</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 50,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
-	-								
-	-								
-	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Queensgate Drive - Phase II

Type of Project		Partnership Project?	Waterfront Project?	Project #
Transportation		<input type="checkbox"/> NO	<input type="checkbox"/> NO	1R150025
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 Rachel Road to Alla Vista Road			
PROJECT TIMELINE:	2019-2021			
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

## BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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	
	-								
<b>TOTAL</b>	<b>\$ 3,400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 500,000</b>	<b>\$ 2,600,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
UNFUNDED	3,400,000						300,000	500,000	2,600,000
RE EXCISE TAX 1ST 1/4%	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 3,400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ 500,000</b>	<b>\$ 2,600,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Stevens Drive Pathway

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="1R150026"/>
Key #	Goal #	Strategic Leadership Plan Project?		No		
2	1					
PROJECT NAME:	<input type="text" value="Stevens Drive Pathway"/>					
PROJECT ADMINISTRATION:	<input type="text" value="Public Works Administration and Engineering"/>					
PROJECT LOCATION:	<input type="text" value="Along Stevens Drive from Spengler Street to Horn Rapids Road"/>					
PROJECT TIMELINE:	<input type="text" value="2018-2019"/>					
RESPONSE TO *GMA LEVEL OF SERVICE?	<input type="text" value="NO"/>					

## PROJECT DESCRIPTION

Construct a separated multi-use pathway on east side of Stevens Drive.

## PROJECT ASSUMPTIONS

## BENEFITS

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
UNFUNDED	950,000					70,000	880,000		
RE EXCISE TAX 1ST 1/4%	-								
TOTAL	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 880,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Vantage Highway Pathway - Phase III

Type of Project		Partnership Project?	<input type="text" value="NO"/>	Waterfront Project?	<input type="text" value="NO"/>	Project #	<input type="text" value="TR150027"/>
<input type="text" value="Transportation"/>		Strategic Leadership Plan Project?		No			
Key #	Goal #						
<input type="text" value="2"/>	<input type="text" value="1"/>						
PROJECT NAME:	<input type="text" value="Vantage Highway Pathway - Phase III"/>						
PROJECT ADMINISTRATION:	<input type="text" value="Public Works Administration and Engineering"/>						
PROJECT LOCATION:	<input type="text" value="Along SR 240 - from Twin Bridges Road to Kingsgate Way"/>						
PROJECT TIMELINE:	<input type="text" value="2020-2021"/>						
RESPONSE TO *GMA LEVEL OF SERVICE?	<input type="text" value="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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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	-								
	-								
<b>TOTAL</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 550,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
TAP (UL) GRANT (UNSECURED)	580,000							30,000	550,000
RE EXCISE TAX 1ST 1/4%	20,000							20,000	
	-								
	-								
<b>TOTAL</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 550,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

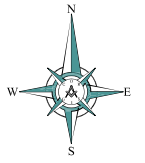
# Wastewater



**CITY OF RICHLAND, WASHINGTON**  
CAPITAL IMPROVEMENT PLAN  
**2016 TO 2030**



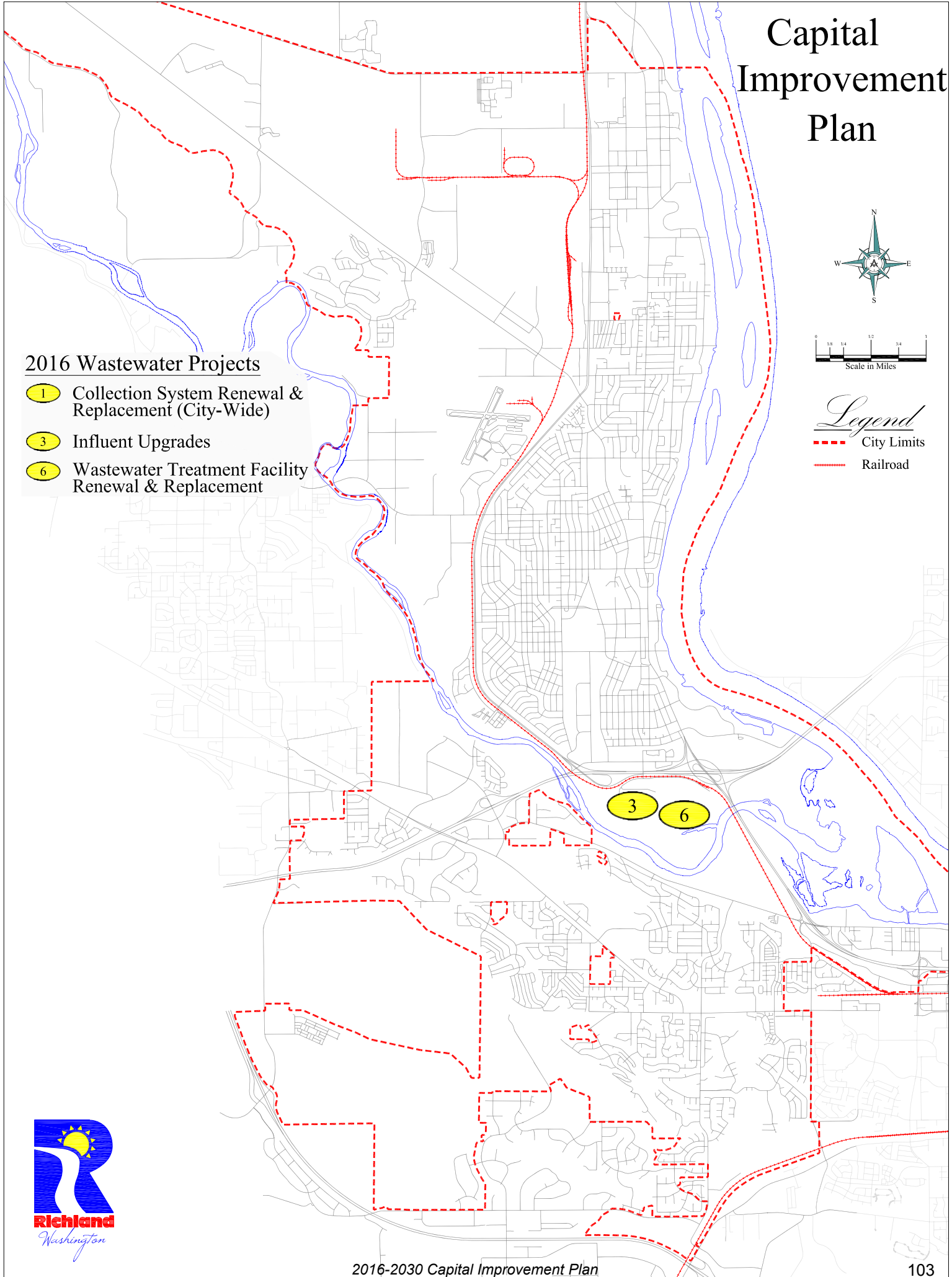
# Capital Improvement Plan



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

## 2016 Wastewater Projects

- 1 Collection System Renewal & Replacement (City-Wide)
- 3 Influent Upgrades
- 6 Wastewater Treatment Facility Renewal & Replacement





Capital Improvement Plan

2016 thru 2030

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Wastewater Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Wastewater</b>										
<b>PROJECT COSTS</b>										
Collection System Renewal & Replacement	WW130001	7,757,532	560,655	300,000	720,000	500,000	500,000	500,000	500,000	11,338,187
Influent Upgrades	WW130003	0	0	100,000	1,900,000	0	0	0	0	2,000,000
Solids Upgrade	WW130005	1,800,000	1,000,000	0	0	0	0	0	0	2,800,000
Wastewater Treatment Facility Renewal & Replacement	WW130006	1,291,643	1,341,726	635,000	380,000	600,000	600,000	600,000	600,000	6,048,369
<b>Wastewater Total:</b>		<b>10,849,175</b>	<b>2,902,381</b>	<b>1,035,000</b>	<b>3,000,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>22,186,556</b>
<b>FUNDING SOURCES</b>										
Facility Fees		900,000	500,000	50,000	950,000	0	0	0	0	2,400,000
Wastewater Rate Revenue		9,949,175	2,402,381	985,000	2,050,000	1,100,000	1,100,000	1,100,000	1,100,000	19,786,556
<b>Wastewater Total:</b>		<b>10,849,175</b>	<b>2,902,381</b>	<b>1,035,000</b>	<b>3,000,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>22,186,556</b>

# Collection System Renewal & Replacement

Type of Project

Wastewater

Partnership Project?

NO

Project #

WW130001

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Collection System Renewal & Replacement

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Throughout Richland

PROJECT TIMELINE: Ongoing

RESPONSE TO \*GMA LEVEL OF SERVICE? NO

## PROJECT DESCRIPTION

Replacement and repair of deteriorated sewer lines, manholes and repair and replacement of obsolete pumping stations.

## PROJECT ASSUMPTIONS

Maintenance record data and visual inspection records are utilized to prioritize ongoing repairs and replacements. In addition, this program targets repairs and replacement in areas where the streets are scheduled for resurfacing. This targeted spending extends the life of the pavement resurfacing while addressing the long-term asset integrity of the sewer system. This program relies an adequate rate revenue to keep it going.

## BENEFITS

This project will reduce maintenance requirements, minimize pipeline leakage and prevent the collapse of failing sewer lines.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	198,356	198,356							
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	11,139,831	7,559,176	560,655	300,000	720,000	500,000	500,000	500,000	500,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
TOTAL	\$ 11,338,187	\$ 7,757,532	\$ 560,655	\$ 300,000	\$ 720,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WASTEWATER RATE REVENUE	11,338,187	7,757,532	560,655	300,000	720,000	500,000	500,000	500,000	500,000
	-								
	-								
	-								
TOTAL	\$ 11,338,187	\$ 7,757,532	\$ 560,655	\$ 300,000	\$ 720,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
TOTAL	\$ -	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**\*\*FOR FINANCE STAFF USE ONLY\*\***

**ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	300,000	403-421-0006-594534-6403
TOTAL	\$ 300,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Influent Upgrades

Type of Project

Wastewater

Partnership Project?

NO

Project #

WW130003

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME: Influent Upgrades

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Wastewater Treatment Facility Influent Pump Station

PROJECT TIMELINE: 2016 - 2017

RESPONSE TO \*GMA LEVEL OF SERVICE?

YES

## PROJECT DESCRIPTION

Rehabilitation of the influent building and addition of a 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

The existing plant equipment includes one mechanically cleaned screen and a backup screen requiring manual cleaning. Use of the manually cleaned screen is required infrequently when the mechanically cleaned screen fails. Manual cleaning is quite strenuous and increases the chances of employee injury. The existing mechanical equipment is approaching its end of life and is expected to experience more frequent failures.

## BENEFITS

Replacement screens will operate more reliably and with improved performance and energy efficiency. Replacement of the existing manual screen with a mechanical unit will improve employee safety and provide redundant mechanical screening capability.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	100,000			100,000					
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,650,000				1,650,000				
10% CONTINGENCY	165,000				165,000				
OTHER ENG. SERVICES	85,000				85,000				
<b>TOTAL</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$1,900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WASTEWATER RATE REVENUE	1,000,000			50,000	950,000				
WASTEWATER FACILITY FEES	1,000,000			50,000	950,000				
	-								
	-								
<b>TOTAL</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$1,900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	100,000	403-421-0006-594534-6403
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Solids Upgrade

Type of Project Wastewater		Partnership Project? <input type="text" value="NO"/>	Project # <b>WW130005</b>
Key # <b>2</b>	Goal # <b>2</b>	<i>Strategic Leadership Plan Project?</i> <b>No</b>	
PROJECT NAME: Solids Upgrade			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: Wastewater Treatment Facility			
PROJECT TIMELINE: 2014 - 2015			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="YES"/>			

## PROJECT DESCRIPTION

Construction and addition of solids handling and dewatering process equipment at the Wastewater Treatment Facility to de-water anaerobic digester sludge and secondary waste sludge. Includes replacement of the obsolete dissolved air flotation thickener equipment and belt press system.

## PROJECT ASSUMPTIONS

The existing mechanical solids handling systems are approaching their end of life. Current technologies provide opportunities for improved performance and energy efficiency savings.

## BENEFITS

This project will help reduce operating costs for chemicals, electricity, and solids transportation. Replacement of aging equipment before failure will preserve plant reliability.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	100,000	100,000							
CONSTRUCTION MANAGEMENT	50,000	50,000							
CONSTRUCTION	2,477,273	1,477,273	1,000,000						
10% CONTINGENCY	147,727	147,727							
OTHER ENG. SERVICES	25,000	25,000							
<b>TOTAL</b>	<b>\$ 2,800,000</b>	<b>\$ 1,800,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WASTEWATER RATE REVENUE	1,400,000	900,000	500,000						
WASTEWATER FACILITY FEES	1,400,000	900,000	500,000						
-	-	-							
-	-	-							
<b>TOTAL</b>	<b>\$ 2,800,000</b>	<b>\$ 1,800,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
-	-								
-	-								
-	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# 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.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	6,048,369	1,291,643	1,341,726	635,000	380,000	600,000	600,000	600,000	600,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 6,048,369</b>	<b>\$ 1,291,643</b>	<b>\$ 1,341,726</b>	<b>\$ 635,000</b>	<b>\$ 380,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WASTEWATER RATE REVENUE	6,048,369	1,291,643	1,341,726	635,000	380,000	600,000	600,000	600,000	600,000
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 6,048,369</b>	<b>\$ 1,291,643</b>	<b>\$ 1,341,726</b>	<b>\$ 635,000</b>	<b>\$ 380,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

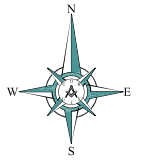
\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE

DESCRIPTION	2016	CODING
CAPITAL ITEM	635,000	403-421-0006-594534-6403
<b>TOTAL</b>	<b>\$ 635,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Water



# Capital Improvement Plan

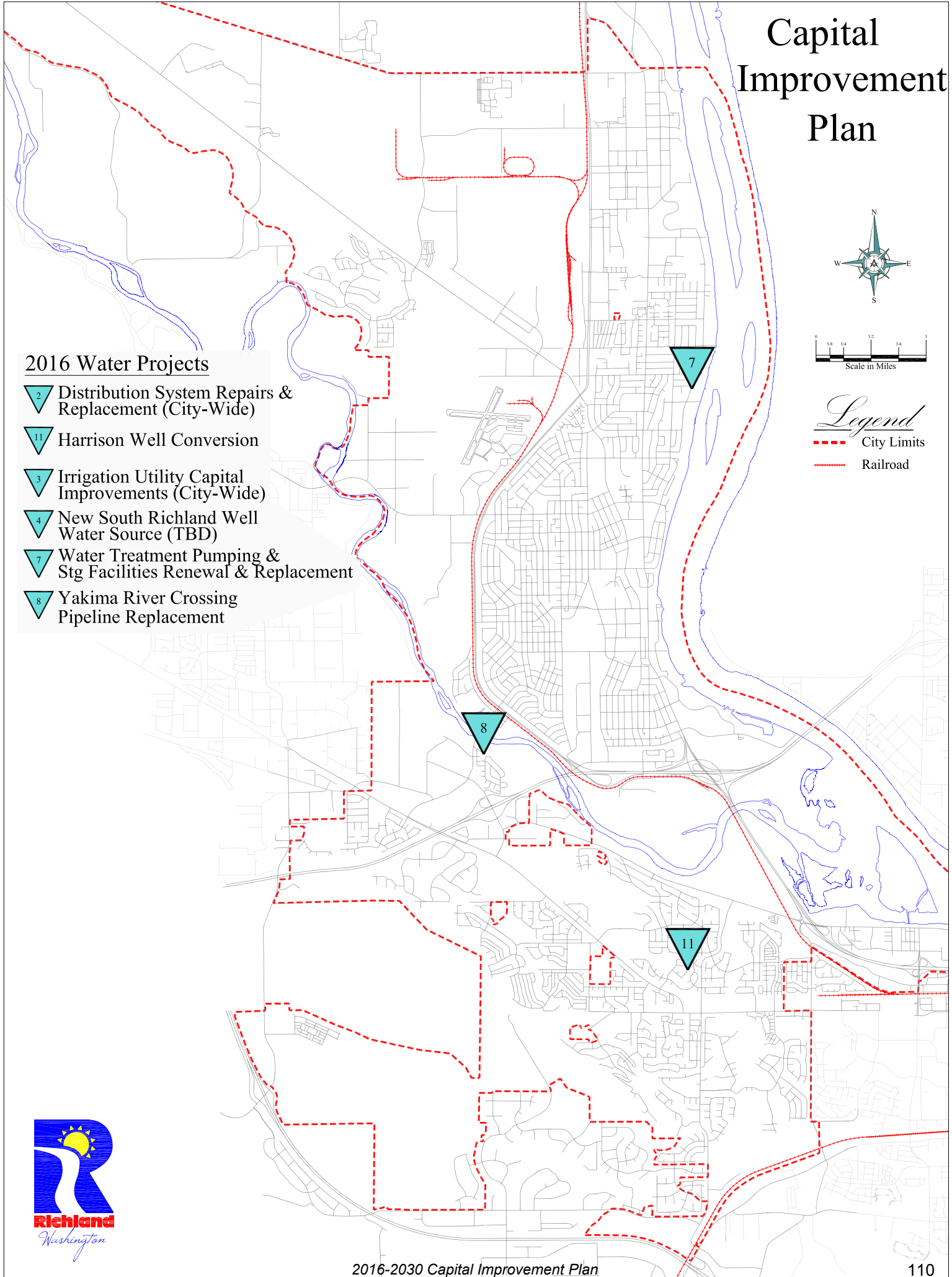


*Legend*

- City Limits
- Railroad

## 2016 Water Projects

- 2 Distribution System Repairs & Replacement (City-Wide)
- 11 Harrison Well Conversion
- 3 Irrigation Utility Capital Improvements (City-Wide)
- 4 New South Richland Well Water Source (TBD)
- 7 Water Treatment Pumping & Stg Facilities Renewal & Replacement
- 8 Yakima River Crossing Pipeline Replacement







# Capital Improvement Plan

2016 thru 2030

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## Water Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Water</b>										
<b>PROJECT COSTS</b>										
Distribution System Repairs & Replacement	WA130002	28,341,475	619,418	250,000	250,000	375,000	375,000	375,000	375,000	30,960,893
Harrison Well Conversion	WA150011	0	0	75,000	0	0	0	0	0	75,000
Irrigation Utility Capital Improvements	WA130003	886,358	552,815	170,000	230,000	100,000	100,000	100,000	100,000	2,239,173
Jason Lee Elementary School Irrigation Well	WA140009	0	150,000	0	0	0	0	0	0	150,000
Jefferson Park Irrigation Well	WA150010	0	0	0	150,000	0	0	0	0	150,000
New South Richland Well Water Source	WA130004	52,700	1,144,500	500,000	0	0	0	0	0	1,697,200
Water System Plan Update	WA150012	0	200,000	0	0	0	0	0	0	200,000
Water Treatment Plant Site Acquisition	WA130001	120,000	0	0	510,000	530,000	0	0	0	1,160,000
Water Treatment Pumping & Stg Facilities Renewal & Replc	WA130007	760,537	1,322,484	583,750	583,750	625,000	625,000	625,000	625,000	5,750,521
WTP Solids Handling Improvements	WA130006	0	0	0	0	0	400,000	0	0	400,000
Yakima River Crossing Pipeline Replacement	WA130008	0	10,000	331,250	2,327,051	0	0	0	0	2,668,301
<b>Water Total:</b>		<b>30,161,070</b>	<b>3,999,217</b>	<b>1,910,000</b>	<b>4,050,801</b>	<b>1,630,000</b>	<b>1,500,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>45,451,088</b>
<b>FUNDING SOURCES</b>										
City of Kennewick		0	0	0	200,000	220,000	0	0	0	420,000
City of West Richland		0	0	0	110,000	110,000	0	0	0	220,000
Facility Fees		207,700	1,169,500	702,500	392,500	200,000	0	0	0	2,672,200
General Fund		0	10,000	0	0	0	0	0	0	10,000
Grant		503,000	0	0	0	0	0	0	0	503,000
Grant Funds (Unsecured)		0	0	0	1,993,301	0	0	0	0	1,993,301
Irrigation Utility Rate Revenue		83,358	577,815	207,500	255,000	100,000	100,000	100,000	100,000	1,523,673
Parks Reserve Fund		0	50,000	0	0	0	0	0	0	50,000
Parks Reserve Fund (Undesignated)		0	0	0	50,000	0	0	0	0	50,000
Public Works Trust Fund Loan		15,525,414	0	0	0	0	0	0	0	15,525,414
Revenue Bond Issue		803,000	0	0	0	0	400,000	0	0	1,203,000
Revenue Bond Proceeds		4,388,250	0	0	0	0	0	0	0	4,388,250
Richland School District		0	50,000	0	50,000	0	0	0	0	100,000
Water Facility Fees		0	100,000	0	0	0	0	0	0	100,000
Water Rate Revenue		8,650,348	2,041,902	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	16,692,250
<b>Water Total:</b>		<b>30,161,070</b>	<b>3,999,217</b>	<b>1,910,000</b>	<b>4,050,801</b>	<b>1,630,000</b>	<b>1,500,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>45,451,088</b>

# Water Treatment Plant Site Acquisition

Type of Project

Water

Partnership Project?

YES

Project #

WA130001

Key #

2

Goal #

1

Strategic Leadership Plan Project?

Yes

PROJECT NAME: Water Treatment Plant Site Acquisition

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: To be determined

PROJECT TIMELINE: 2014 - 2018

RESPONSE TO \*GMA LEVEL OF SERVICE? YES

## PROJECT DESCRIPTION

Identify and acquire real estate for future construction of a water treatment plant. The future water treatment plant is planned as a partnership facility with West Richland and Kennewick. It is anticipated that it won't be needed for at least fifteen years, but identifying a future site will be less costly at this point. The participants will share the cost of the project proportionally.

## PROJECT ASSUMPTIONS

Long range planning suggests that the cities of Richland, Kennewick and West Richland will need additional treated water capacity toward the end of the upcoming 20-year planning horizon. The cities have planned to jointly develop the required capacity at a single location. Staff at the cities believe that early acquisition of the project site will save funds and facilitate easier implementation when the need is realized. It is assumed that the site selection and acquisition will be done collectively by the three cities after consideration of the site selection study in 2015.

## BENEFITS

The future water treatment plant will provide needed clean drinking water to support future growth of the City's population and economy.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
SITE SELECTION STUDY	20,000	20,000							
OTHER ENG. SERVICES	100,000	100,000							
SITE ACQUISITION	1,040,000				510,000	530,000			
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,160,000</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 510,000</b>	<b>\$ 530,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WEST RICHLAND	220,000				110,000	110,000			
KENNEWICK	420,000				200,000	220,000			
RICHLAND - WATER FACILITY FEE	520,000	120,000			200,000	200,000			
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,160,000</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 510,000</b>	<b>\$ 530,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Distribution System Repairs & Replacement

Type of Project

Water

Partnership Project?

NO

Project #

WA130002

Key #

2

Goal #

2

Strategic Leadership Plan Project?

No

PROJECT NAME:

Distribution System Repairs & Replacement

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Throughout Richland

PROJECT TIMELINE:

Ongoing

RESPONSE TO \*GMA LEVEL OF SERVICE?

YES

## PROJECT DESCRIPTION

Repair and replacement of valves, pipelines and meters to maintain distribution system reliability and efficiency.

## PROJECT ASSUMPTIONS

Leak survey data and maintenance records are utilized to prioritize ongoing repairs and replacement. In addition, special focus is placed on areas scheduled for upcoming street resurfacing to maximize the cost-effectiveness of the street resurfacing program.

## BENEFITS

This program addresses the ongoing maintenance needs for the water distribution system.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	945,918	945,918							
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	30,014,975	27,395,557	619,418	250,000	250,000	375,000	375,000	375,000	375,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 30,960,893</b>	<b>\$ 28,341,475</b>	<b>\$ 619,418</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WATER RATE REVENUE	10,509,229	7,889,811	619,418	250,000	250,000	375,000	375,000	375,000	375,000
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							
	-								
<b>TOTAL</b>	<b>\$ 30,960,893</b>	<b>\$ 28,341,475</b>	<b>\$ 619,418</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	250,000	402-410-0006-594534-6403
<b>TOTAL</b>	<b>\$ 250,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# 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, pipelines and meters in order to maintain the irrigation pumping and distribution system. This project will also include upgrade of the river pump station intake screens in early 2016

## PROJECT ASSUMPTIONS

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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	2,239,173	886,358	552,815	170,000	230,000	100,000	100,000	100,000	100,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 2,239,173</b>	<b>\$ 886,358</b>	<b>\$ 552,815</b>	<b>\$ 170,000</b>	<b>\$ 230,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
IRRIGATION UTILITY RATE REVENUE	1,436,173	83,358	552,815	170,000	230,000	100,000	100,000	100,000	100,000
REVENUE BOND ISSUE	803,000	803,000	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 2,239,173</b>	<b>\$ 886,358</b>	<b>\$ 552,815</b>	<b>\$ 170,000</b>	<b>\$ 230,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	170,000	402-410-0006-594534-6403
<b>TOTAL</b>	<b>\$ 170,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# New South Richland Well Water Source

Type of Project

Water

Partnership Project?

NO

Project #

WA130004

Key #

2

Goal #

1

Strategic Leadership Plan Project?

No

PROJECT NAME: New South Richland Well Water Source

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: City shops site

PROJECT TIMELINE: 2014 - 2015

RESPONSE TO \*GMA LEVEL OF SERVICE? YES

## PROJECT DESCRIPTION

Construction of a new City well in South Richland.

## PROJECT ASSUMPTIONS

The project relies on hydrologic studies and regulatory guidance suggesting that high quality abundant water is available at a site near the City Shops property. Wells constructed elsewhere in the region frequently yield water that requires treatment to be suitable for drinking water supply. The budget assumes that our expert studies are correct and that a high quality supply can be implemented at this site.

## BENEFITS

This water source will provide a water supply for future growth and a backup supply for the current system. Current available water sources south of the Yakima River are not adequate to meet current or future demand. This new source would improve system reliability and security.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,697,200	52,700	1,144,500	500,000					
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 1,697,200</b>	<b>\$ 52,700</b>	<b>\$ 1,144,500</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WATER FACILITY FEES	1,697,200	52,700	1,144,500	500,000					
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 1,697,200</b>	<b>\$ 52,700</b>	<b>\$ 1,144,500</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	500,000	402-410-0006-594534-6403
<b>TOTAL</b>	<b>\$ 500,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# 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:

2019

RESPONSE TO \*GMA LEVEL OF SERVICE?

YES

## PROJECT DESCRIPTION

Modification of the solids removal and transporting system to collect and handle 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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	-								
	-								
<b>TOTAL</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
REVENUE BOND ISSUE	400,000						400,000		
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Water Treatment Pumping & Storage Facilities Renewal & Replc

<b>Type of Project</b> Water		Partnership Project? <input type="text" value="NO"/>	<b>Project #</b> WA130007
<b>Key #</b> 2	<b>Goal #</b> 2	<i>Strategic Leadership Plan Project?</i> <input type="text" value="No"/>	
<b>PROJECT NAME:</b> Water Treatment Pumping & Storage Facilities Renewal & Replc			
<b>PROJECT ADMINISTRATION:</b> Public Works Administration and Engineering			
<b>PROJECT LOCATION:</b> Water Plant & Water Facilities throughout Richland			
<b>PROJECT TIMELINE:</b> <input type="text" value="Ongoing"/>			
<b>RESPONSE TO *GMA LEVEL OF SERVICE?</b> <input type="text" value="YES"/>			

## PROJECT DESCRIPTION

Structural, mechanical, and control systems rehabilitation, repair and replacement of water plant facilities and infrastructure. In 2014 and carrying over into 2015 the conversion of the North Richland UV Facility and the Water Treatment Plant gas chlorine system to on-site chlorine generation will take place.

## PROJECT ASSUMPTIONS

The water treatment industry is migrating away from the use of gaseous chlorine due to the risk associated with handling it. The large quantities of chlorine gas used at water treatment facilities poses a potential hazard to employees and the public. Deploying this new disinfection technology reduces risk to employees and the public while providing the required disinfection. The on-site generation process will increase operational costs, but the conversion is prudent due to the risk management and regulatory benefits. Maintenance records are utilized to prioritize ongoing repairs and replacement.

## BENEFITS

This conversion will eliminate the need for the purchase of chlorine gas and the risk associated with storing and handling this chemical. This program preserves the reliability and capacity of existing water treatment plant facilities, whose replacement value is well in excess of \$75 million.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-	-	-	-	-	-	-	-	-
CONSTRUCTION MANAGEMENT	-	-	-	-	-	-	-	-	-
CONSTRUCTION	5,750,521	760,537	1,322,484	583,750	583,750	625,000	625,000	625,000	625,000
10% CONTINGENCY	-	-	-	-	-	-	-	-	-
OTHER ENG. SERVICES	-	-	-	-	-	-	-	-	-
TOTAL	\$ 5,750,521	\$ 760,537	\$ 1,322,484	\$ 583,750	\$ 583,750	\$ 625,000	\$ 625,000	\$ 625,000	\$ 625,000
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WATER RATE REVENUE	5,750,521	760,537	1,322,484	583,750	583,750	625,000	625,000	625,000	625,000
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TOTAL	\$ 5,750,521	\$ 760,537	\$ 1,322,484	\$ 583,750	\$ 583,750	\$ 625,000	\$ 625,000	\$ 625,000	\$ 625,000
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

<b>**FOR FINANCE STAFF USE ONLY**</b>		
<b>ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
DESCRIPTION	2016	CODING
CAPITAL ITEM	508,750	402-410-0006-594534-6403
MAINTENANCE/REPAIR (NON CAPITAL)	75,000	402-410-0003-594534-3403
<b>TOTAL</b>	\$ 583,750	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Yakima River Crossing Pipeline Replacement

Type of Project

Water

Partnership Project?

YES

Project #

WA130008

Key #

2

Goal #

1

Strategic Leadership Plan Project?

No

PROJECT NAME: Yakima River Crossing Pipeline Replacement

PROJECT ADMINISTRATION: Public Works Administration and Engineering

PROJECT LOCATION: Duportail Street and Bridge

PROJECT TIMELINE: 2017 - 2018

RESPONSE TO \*GMA LEVEL OF SERVICE? YES

## 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.

## PROJECT ASSUMPTIONS

The existing pipeline is vulnerable to damage during a flood on the Yakima River. The project is being developed in conjunction with the Duportail Bridge project which is presented in the Transportation section of the CIP. The project will not proceed to construction unless the Duportail Bridge is fully funded and goes to construction. The project grant funding is at risk if the project does not proceed to construction in a timely manner.

## BENEFITS

The replacement water line will ensure continued reliable water supply to the portion of the City south of the Yakima River.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	165,000			165,000					
CONSTRUCTION MANAGEMENT	218,294		10,000		208,294				
CONSTRUCTION	2,077,279			166,250	1,911,029				
10% CONTINGENCY	207,728				207,728				
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 2,668,301</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 331,250</b>	<b>\$ 2,327,051</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT - FEMA	1,993,301				1,993,301				
GENERAL FUND (FOR GRANT WRITER)	10,000		10,000						
WATER RATE REVENUE	332,500			166,250	166,250				
WATER FACILITY FEES	332,500			165,000	167,500				
<b>TOTAL</b>	<b>\$ 2,668,301</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 331,250</b>	<b>\$ 2,327,051</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	331,250	402-410-0006-594534-6403
<b>TOTAL</b>	<b>\$ 331,250</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>



# Jason Lee Elementary School Irrigation Well

<b>Type of Project</b> Water		Partnership Project? <input type="checkbox"/> YES	<b>Project #</b> WA140009
<b>Key #</b> 5	<b>Goal #</b> 3	<i>Strategic Leadership Plan Project?</i>	No
PROJECT NAME: Jason Lee Elementary School Irrigation Well			
PROJECT ADMINISTRATION: Public Works Administration and Engineering			
PROJECT LOCATION: Jason Lee Elementary school property at Van Giesen and Sanford			
PROJECT TIMELINE: 2015			
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> NO			

## PROJECT DESCRIPTION

Construct a well to provide irrigation to the Jason Lee Elementary school property located at Van Giesen and Sanford.

## 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. It also reduces the operating costs for the Richland School District.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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	-		-						
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PARKS RESERVE	50,000		50,000						
RICHLAND SCHOOL DISTRICT	50,000		50,000						
IRRIGATION UTILITY RATE REVENUE	25,000		25,000						
WATER FACILITY FEES	25,000		25,000						
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Jefferson Park Irrigation Well

Type of Project

Water

Partnership Project?

YES

Project #

WA150010

Key #

5

Goal #

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Jefferson Park Irrigation Well

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Jefferson Park at George Washington Way and Symons Street

PROJECT TIMELINE:

2016

RESPONSE TO \*GMA LEVEL OF SERVICE?

NO

## PROJECT DESCRIPTION

Construct a well to provide irrigation to Jefferson Park and the Jefferson Elementary school property located at George Washington Way and Symons.

## 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. It also reduces the operating costs for the Richland School District.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
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	-								
	-								
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PARKS RESERVE FUND (UNDESIGNATED)	50,000				50,000				
RICHLAND SCHOOL DISTRICT	50,000				50,000				
IRRIGATION UTILITY RATE REVENUE	25,000				25,000				
WATER FACILITY FEES	25,000				25,000				
	-								
	-								
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Harrison Well Conversion

Type of Project

Water

Partnership Project?

YES

Project #

WA150011

Key #

5

Goal #

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Harrison Well Conversion

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Harrison Well at 1110 Allenwhite Drive

PROJECT TIMELINE:

2016

RESPONSE TO \*GMA LEVEL OF SERVICE?

NO

## PROJECT DESCRIPTION

Conversion of the Harrison Well to an irrigation source to be used by Badger Mountain Irrigation District for the Hills West area. The project will involve modifications to site piping, control systems, and possibly pump equipment.

## PROJECT ASSUMPTIONS

Completion of the project will require validation of concept feasibility in the second half of 2015 by City and BMID staff. The project will also require an amendment to an existing interlocal agreement with BMID, which will require BMID board and City Council approval.

## BENEFITS

The project would enable optimized use of an existing City water right. The water right was acquired from a private party some years ago. Use of this water right would preserve capacity in the City's Columbia River water rights sources for future needs.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	5,000			5,000					
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	60,000			60,000					
10% CONTINGENCY	10,000			10,000					
OTHER ENG. SERVICES	-								
	-								
<b>TOTAL</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
IRRIGATION UTILITY RATE REVENUE	37,500			37,500					
WATER FACILITY FEES	37,500			37,500					
	-								
	-								
<b>TOTAL</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\***

**ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	75,000	402-410-0006-594534-6403
<b>TOTAL</b>	<b>\$ 75,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Water System Plan Update

Type of Project

Water

Partnership Project?

NO

Project #

WA150012

Key #

5

Goal #

3

Strategic Leadership Plan Project?

No

PROJECT NAME:

Water System Plan Update

PROJECT ADMINISTRATION:

Public Works Administration and Engineering

PROJECT LOCATION:

Throughout Richland

PROJECT TIMELINE:

2015

RESPONSE TO \*GMA LEVEL OF SERVICE?

YES

## PROJECT DESCRIPTION

Complete a Water System Plan update as required by the Washington Administrative Code. The Plan Update is required on six-year intervals, with the previous plan being completed in 2009 and approved by the Department of Health in 2010. The Plan will include many elements, among them a 20-year capital improvement plan, rate analysis and water rights assessment.

## PROJECT ASSUMPTIONS

## BENEFITS

This plan will provide continued regulatory compliance and a path forward to completing the highest priority capital improvements in the water infrastructure.

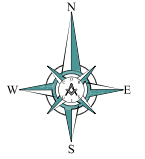
PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	-								
10% CONTINGENCY	-								
OTHER ENG. SERVICES	200,000		200,000						
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
WATER FACILITY FEES	100,000		100,000						
WATER RATE REVENUE	100,000		100,000						
	-								
	-								
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# Waterfront



**CITY OF RICHLAND, WASHINGTON**  
CAPITAL IMPROVEMENT PLAN  
**2016 TO 2030**

# Capital Improvement Plan

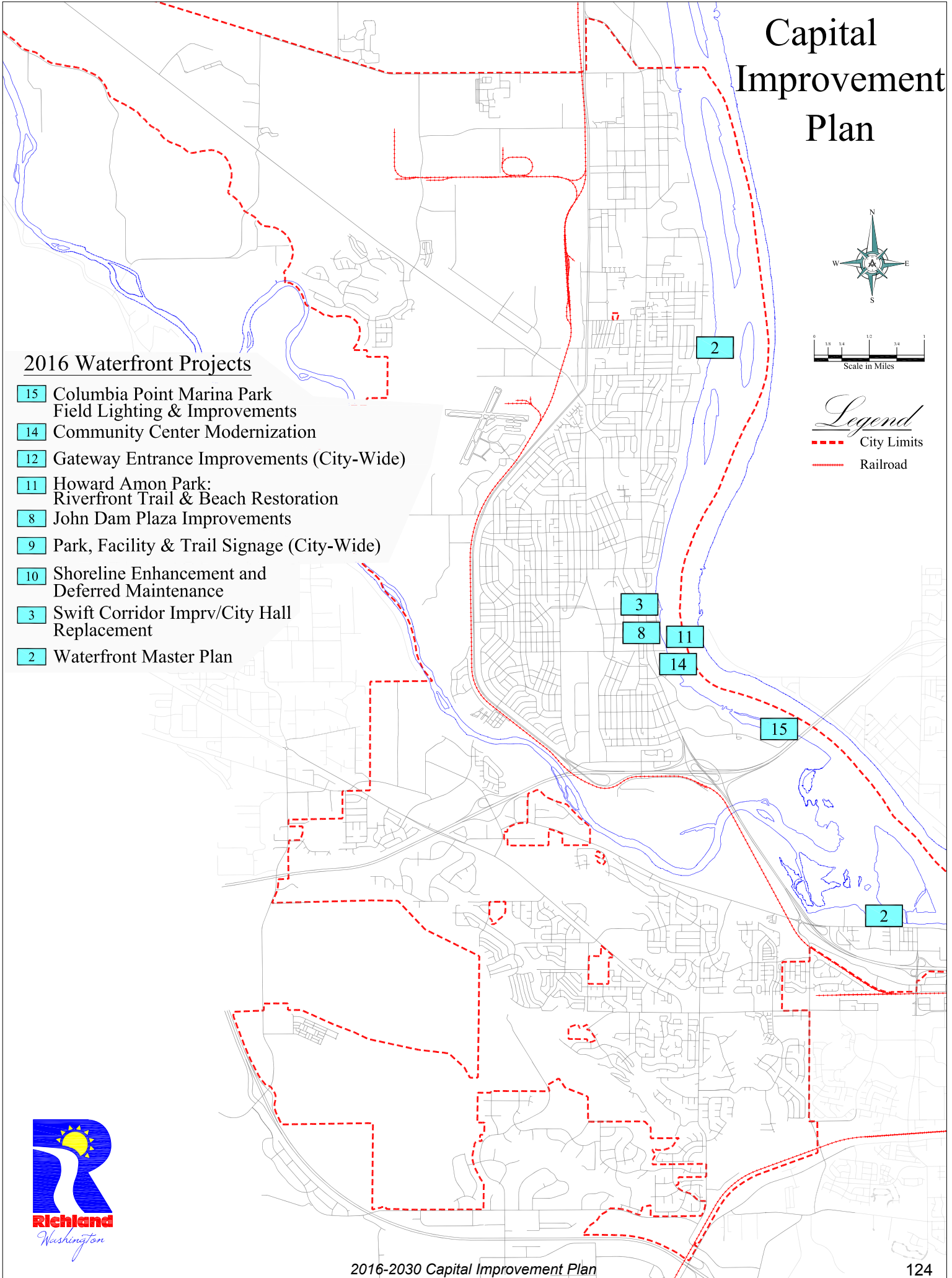


*Legend*

- - - City Limits
- . - . - Railroad

## 2016 Waterfront Projects

- 15 Columbia Point Marina Park Field Lighting & Improvements
- 14 Community Center Modernization
- 12 Gateway Entrance Improvements (City-Wide)
- 11 Howard Amon Park: Riverfront Trail & Beach Restoration
- 8 John Dam Plaza Improvements
- 9 Park, Facility & Trail Signage (City-Wide)
- 10 Shoreline Enhancement and Deferred Maintenance
- 3 Swift Corridor Imprv/City Hall Replacement
- 2 Waterfront Master Plan





# Capital Improvement Plan

2016 thru 2030

12/30/2015 1:33:26 PM  
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## Waterfront Projects

Department	Project #	\$ through 2014	Budget Rem. 2015	2016	2017	2018	2019	2020	2021-2030	Total
<b>Waterfront</b>										
<b>PROJECT COSTS</b>										
Columbia Playfield Improvements	WF140007	931,775	109,183	0	500,000	0	0	0	0	1,540,958
Columbia Point Marina Park Field Lighting & Improvements	WF150015	0	0	280,000	0	0	0	0	0	280,000
Community Center Modernization	WF150014	0	0	45,000	0	0	0	0	0	45,000
Fire Station 71 - Replacement Station	WF140004	0	0	0	0	0	0	0	3,679,704	3,679,704
Gateway Entrance Improvements	WF140012	190,826	98,174	36,000	36,000	36,000	36,000	36,000	0	469,000
Howard Amon Park:Riverfront Trail & Beach Restoration	WF140011	0	0	180,000	108,000	180,000	150,000	150,000	150,000	918,000
John Dam Plaza Improvements	WF140008	309,555	786,496	30,000	30,000	270,000	230,000	270,000	230,000	2,156,051
Park, Facility & Trail Signage	WF140009	45,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	300,000
Richland Public Library Makerspace	WF150016	0	0	0	200,000	0	0	0	0	200,000
Shoreline Enhancement and Deferred Maintenance	WF140010	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	240,000
Swift Corridor Imprv/City Hall Replacement	WF140003	161,629	1,204,576	500,000	8,100,000	8,180,000	1,285,000	0	0	19,431,205
Waterfront Master Plan	WF140002	0	90,000	10,000	5,000	0	0	0	0	105,000
Waterfront Redevelopment Planning Study	WF140001	0	200,000	0	0	0	0	0	0	200,000
<b>Waterfront Total:</b>		<b>1,668,785</b>	<b>2,543,429</b>	<b>1,136,000</b>	<b>9,034,000</b>	<b>8,721,000</b>	<b>1,756,000</b>	<b>511,000</b>	<b>4,114,704</b>	<b>29,484,918</b>
<b>FUNDING SOURCES</b>										
Bond Proceeds		0	0	0	8,100,000	8,100,000	0	0	0	16,200,000
Business License Reserve Fund		44,555	64,496	48,000	58,000	100,000	1,335,000	90,000	50,000	1,790,051
Criminal Justice Fund		0	0	20,000	0	0	0	0	0	20,000
Donations		0	30,000	30,000	60,000	30,000	30,000	30,000	30,000	240,000
General Fund		205,000	56,000	10,000	0	0	0	0	0	271,000
Grant		771,775	259,183	140,000	400,000	0	0	0	0	1,570,958
Grant Funds (Unsecured)		0	0	0	0	80,000	0	0	0	80,000
Hotel/Motel-Lodging Funds		0	600,000	70,000	50,000	60,000	50,000	50,000	50,000	930,000
Land Sales		111,205	0	0	0	0	0	0	0	111,205
Lease		0	0	0	0	0	0	0	2,475,000	2,475,000
Library Capital Reserve (Gen Fund)		0	0	0	100,000	0	0	0	0	100,000
Library Const. Fund		250,000	0	0	0	0	0	0	0	250,000
Library Foundation		0	0	0	70,000	0	0	0	0	70,000
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		0	0	0	0	0	0	0	0	0
Parks Reserve Fund (Undesignated)		85,000	142,000	50,000	50,000	50,000	50,000	50,000	50,000	527,000
Private Funding		0	50,000	0	100,000	0	0	0	0	150,000
REET-RE Excise Tax 1st 1/4%		445,826	103,174	268,000	41,000	301,000	291,000	291,000	713,062	2,454,062
Right-of-Way Sale (Secured)		160,000	0	0	0	0	0	0	0	160,000
Unfunded		0	34,000	0	5,000	0	0	0	746,642	785,642
Utility Occ Tax Increase		0	0	500,000	0	0	0	0	0	500,000
<b>Waterfront Total:</b>		<b>2,873,361</b>	<b>1,338,853</b>	<b>1,136,000</b>	<b>9,034,000</b>	<b>8,721,000</b>	<b>1,756,000</b>	<b>511,000</b>	<b>4,114,704</b>	<b>29,484,918</b>

# Waterfront Redevelopment Planning Study

Type of Project <b>Waterfront</b>		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="YES"/>	<b>Project #</b> <b>WF140001</b>
<b>Key #</b> <b>4</b>	<b>Goal #</b> <b>1</b>	<i>Strategic Leadership Plan Project?</i> <input type="text" value="No"/>		
PROJECT NAME: <input type="text" value="Waterfront Redevelopment Planning Study"/>				
PROJECT ADMINISTRATION: <input type="text" value="Community and Development Services"/>				
PROJECT LOCATION: <input type="text" value="Columbia Point"/>				
PROJECT TIMELINE: <input type="text" value="2015"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="NO"/>				

## PROJECT DESCRIPTION

The project will develop a redevelopment strategy for the undeveloped parcels between Bradley Boulevard and the Columbia River (Tract D & E), including an approach to the historic landfill present on a portion of the property. The project will involve building upon environmental analysis completed in the 1990's to prepare alternative remediation strategies, including cost estimates. The study will also include market analysis and development conceptual planning that will provide data for a cost-benefit comparison of various remediation approaches. The study will include a public outreach and involvement element and will allow staff and Council to identify remediation and development strategies for these properties.

## PROJECT ASSUMPTIONS

The Washington State Legislature will have to authorize funding for this project in their 2015 - 2017 biennium budget. Staff will develop a scope of work and budget proposal during the second half of 2014 for presentation to Council and the Department of Ecology.

## BENEFITS

The project could result in a well-developed plan and strategy for this property that resolves the long-standing constraint imposed by the existing landfill. Being able to advance the planning for this site with funding assistance from the State is very valuable.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
PLANNING STUDY	200,000		200,000						
<b>TOTAL</b>	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT - WA DOE	200,000		200,000						
<b>TOTAL</b>	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



# Waterfront Master Plan

Type of Project <b>Waterfront</b>		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> YES	Project # <b>WF140002</b>
Key #	Goal #	Strategic Leadership Plan Project?		No
3	1			
PROJECT NAME:	Waterfront Master Plan			
PROJECT ADMINISTRATION:	Community and Development Services			
PROJECT LOCATION:	Riverfront and Downtown			
PROJECT TIMELINE:	2015			
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 will establish shorter term (5 year) implementation steps. This master plan 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 master plan 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 recommended infill development projects.

## 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.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
MASTER PLAN	90,000		90,000						
WAYFINDING DESIGN	-		-						
PLAN MARKETING	15,000		-	10,000	5,000				
WAYFINDING IMPLEMENTATION	-		-						
<b>TOTAL</b>	<b>\$ 105,000</b>	<b>\$ -</b>	<b>\$ 90,000</b>	<b>\$ 10,000</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GENERAL FUND	66,000		56,000	10,000					
UNFUNDED	39,000		34,000		5,000				
	-		-						
	-		-						
<b>TOTAL</b>	<b>\$ 105,000</b>	<b>\$ -</b>	<b>\$ 90,000</b>	<b>\$ 10,000</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>**FOR FINANCE STAFF USE ONLY**</b>			<b>ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
DESCRIPTION	2016	CODING			
NON-CAPITAL ITEM	10,000	001-300-0074-558100-4117			
<b>TOTAL</b>	<b>\$ 10,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>			

# Swift Corridor Improvements/City Hall Replacement

Type of Project Waterfront		Partnership Project? <input type="checkbox"/> NO	Waterfront Project? <input type="checkbox"/> YES	<b>Project #</b> WF140003 <small>Formerly MN130002</small>
<b>Key #</b> 4	<b>Goal #</b> 2	<b>Strategic Leadership Plan Project?</b> Yes		
PROJECT NAME: Swift Corridor Improvements/City Hall Replacement				
PROJECT ADMINISTRATION: Parks & Public Facilities				
PROJECT LOCATION: Swift Boulevard				
PROJECT TIMELINE: 06/2011 - 12/2019				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> 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, three-story with basement municipal building in an effort to increase efficiencies and avoid costly building retrofits for ADA accessibility and other major system upgrades. The facility will be located on 1.8 acres purchased in 2015/16 on the northern portion of the GSA owned parking lot at the southwest corner of Swift Boulevard and Jadwin Avenue. Annual debt service estimated at \$893,719 would begin in 2017 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%. The project also includes improvements to Swift Blvd. that will require a mill and overlay of the street, widening sidewalks, and the addition of decorative street lighting, irrigation, on-street parking, bicycle lanes and street trees in 2019.

## PROJECT ASSUMPTIONS

3.5% interest on a 30 year general obligation bond repaid from the authorized 2016 increase in electric utility occupation tax to the General Fund and retirement of the City Shops debt funded by REET. Washington state design-build project delivery authority will be sought and utilized. The existing City Hall and Administrative Annex Building will be demolished to create a 1.5 acre site to be leased for economic development. A reconfiguration of the GSA parking lot will be necessary. The Development Services Building will be excess to the City's needs. Estimated annual lease revenue of \$69,000 for the former City Hall site is conservatively excluded from the revenue stream to service the bond debt. The street project will require acquisition of grant funds, most likely from the Washington State Department of Transportation.

## BENEFITS

Municipal efficiency and better access to local government by combining three facilities into one. Avoidance of costly ADA and major system upgrades to each of the three facilities. Opportunity for economic development at the current location of Richland City Hall. The street project supports the City's redevelopment goals for the Swift Corridor by enhancing the street environment to support non-motorized travel and adding visual enhancements.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
PROJECT PLANNING INCL DEBT ISSUANCE	350,000	103,819	46,181	200,000					
REMODEL UB AREA&SWIFT/JADWIN SIGNL	105,000	31,528	73,472						
DESIGN BUILD	16,500,000	-	-	300,000	8,100,000	8,100,000			
LAND ACQUISITION	1,084,923	-	1,084,923						
DESIGN - STREET IMPROVEMENTS	106,282	26,282	-			80,000			
CONSTRUCTION - STREET IMPROVEMENTS	1,175,455	-	-				1,175,455		
10% CONTINGENCY-STREET IMPROVEMENTS	109,545	-	-				109,545		
TOTAL	\$ 19,431,205	\$ 161,629	\$1,204,576	\$ 500,000	\$ 8,100,000	\$ 8,180,000	\$ 1,285,000	\$ -	\$ -
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
GENERAL FUND - FACILITY RESERVES	205,000	205,000							
LAND SALE (SWIFT & GWW)	111,205	111,205							
INDUSTRIAL DEVELOPMENT FUND	-	-							
LTGO 98 FUND	550,000	550,000							
CAPITAL IMPRVMT FUND (REET 1ST 1/4%)	250,000	250,000							
LIBRARY CONST FUND (ADDED PARKING)	250,000	250,000							
BOND PROCEEDS	16,200,000				8,100,000	8,100,000			
UTILITY OCCUPATION TAX INCREASES	500,000			500,000					
GRANT FUNDS (UNSECURED)-STREET IMPRV	80,000					80,000			
BUSINESS LICENSE RESERVE-STREET IMPRV	1,285,000						1,285,000		
TOTAL	\$ 19,431,205	\$ 1,366,205	\$ -	\$ 500,000	\$ 8,100,000	\$ 8,180,000	\$ 1,285,000	\$ -	\$ -
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
DEBT SERVICE (REET)	5,969,600				426,400	426,400	426,400	426,400	4,264,000
DEBT SERVICE (UTILITY TAX)	6,542,480				467,320	467,320	467,320	467,320	4,673,200
	-								
TOTAL	\$ 12,512,080	-	-	\$ -	\$ 893,720	\$ 893,720	\$ 893,720	\$ 893,720	\$ 8,937,200

<b>**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE</b>		
DESCRIPTION	2016	CODING
CAPITAL ITEM	500,000	385-900-0006-594191-4117
<b>TOTAL</b>	\$ 500,000	TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE

# Fire Station 71 - Replacement Station

<b>Type of Project</b> Waterfront		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> YES	<b>Project #</b> WF140004 <small>Formerly MN130004</small>
<b>Key #</b> 2	<b>Goal #</b> 1	<b>Strategic Leadership Plan Project?</b> Yes		
<b>PROJECT NAME:</b> Fire Station 71 - Replacement Station				
<b>PROJECT ADMINISTRATION:</b> Fire Services				
<b>PROJECT LOCATION:</b> North of the Richland Police Station between Jadwin and George Washington Way				
<b>PROJECT TIMELINE:</b> 03/2025 - 12/2025				
<b>RESPONSE TO *GMA LEVEL OF SERVICE?</b> <input type="checkbox"/> NO				

## PROJECT DESCRIPTION

Design and construct a new Central Fire Station. This will replace an existing, outdated response station facility, providing an opportunity to redevelop the existing site in alignment with the Swift Corridor and waterfront master plans.

## PROJECT ASSUMPTIONS

Because this is a facility replacement, no additional vehicles or staff will be required. The building site will be City owned land, just north of the Richland Police Station on George Washington Way. Funding sources for construction 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.

## BENEFITS

Existing station has deteriorated due to age, exceeding its practical life cycle. The condition of the station is such that significant core maintenance issues must be addressed and there are concerns that maintenance projects more related to health/safety conditions are imminent. Surplusing the existing site upon completion may generate revenue to support the cost of the new facility and further support the redevelopment of the Downtown and waterfront.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
DESIGN	180,000								180,000
LEASE PROPOSED PMT	3,199,704								3,199,704
DEMOLITION	300,000								300,000
	-								
TOTAL	\$ 3,679,704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,679,704
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021-2030
UNFUNDED	746,642								746,642
RE EXCISE TAX 1ST 1/4%	458,062								458,062
LEASE - SURPLUS PROPERTY GROUND	2,475,000								2,475,000
	-								
	-								
TOTAL	\$ 3,679,704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,679,704
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021-2030
STAFFING	-								
DEBT SERVICE / LEASE	-								
FACILITIES	-								
ONE-TIME I.T. EQUIPMENT	-								
MAINTENANCE & OPERATIONS	-								
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Columbia Playfield Improvements

<b>Type of Project</b> Waterfront		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> YES	<b>Project #</b> WF140007 <small>Formerly PR130002</small>
<b>Key #</b> 6	<b>Goal #</b> 3	<i>Strategic Leadership Plan Project?</i> Yes		
PROJECT NAME: Columbia Playfield Improvements				
PROJECT ADMINISTRATION: Parks & Public Facilities				
PROJECT LOCATION: Columbia Playfield, central Richland; 1500 Mansfield				
PROJECT TIMELINE: 2016-2018				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> YES				

## PROJECT DESCRIPTION

This existing park includes a 25 yard municipal pool, wading pool, four tournament quality softball fields, one additional softball field under construction, play structure, multi-purpose trails, restroom/concessions buildings and public parking. Lighting and bleachers will be added to the newly constructed 5th softball field in 2016.

## PROJECT ASSUMPTIONS

Receiving 2017 Lodging Tax grant for fifth field improvements.

## 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 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	1,540,958	931,775	109,183		500,000				
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 1,540,958</b>	<b>\$ 931,775</b>	<b>\$ 109,183</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
RIGHT-OF-WAY SALE (SECURED)	160,000	160,000							
LODGING TAX GRANT (SECURED)	771,775	771,775							
PRIVATE FUNDING	150,000		50,000		100,000				
LODGING TAX GRANT	259,183		59,183		200,000				
RCO GRANT	200,000				200,000				
<b>TOTAL</b>	<b>\$ 1,540,958</b>	<b>\$ 931,775</b>	<b>\$ 109,183</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

# John Dam Plaza Improvements

<b>Type of Project</b> Waterfront		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> YES	<b>Project #</b> <b>WF140008</b> <small>Formerly PR130004</small>
<b>Key #</b> 6	<b>Goal #</b> 3	<b>Strategic Leadership Plan Project?</b> Yes		
<b>PROJECT NAME:</b> John Dam Plaza Improvements				
<b>PROJECT ADMINISTRATION:</b> Parks & Public Facilities				
<b>PROJECT LOCATION:</b> John Dam Plaza, central Richland; 800 Jadwin Avenue				
<b>PROJECT TIMELINE:</b> 04/2015 - 12/2021				
<b>RESPONSE TO *GMA LEVEL OF SERVICE?</b> <input type="checkbox"/> NO				

## PROJECT DESCRIPTION

John Dam Plaza, 3.9 acres, is the central park in Richland's Central Business District and hosts Live @ 5, Movies in the Park, political gatherings and various other special events. Park amenities include art, restroom and performing arts stage. 2018-2021 construct the central plaza.

## PROJECT ASSUMPTIONS

Demand for mobile food vendors remains strong and grants will be obtained.

## BENEFITS

The proposed improvements will complement the City's vision to enhance the downtown and waterfront area. The annual HAPO contribution of \$30,000 will be set aside for maintenance beginning in 2017.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	2,156,051	309,555	786,496	30,000	30,000	270,000	230,000	270,000	230,000
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 2,156,051</b>	<b>\$ 309,555</b>	<b>\$ 786,496</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 270,000</b>	<b>\$ 230,000</b>	<b>\$ 270,000</b>	<b>\$ 230,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
BUSINESS LICENSE RESERVE FUND	189,051	44,555	64,496			40,000		40,000	
LODGING TAX	600,000		600,000						
RE EXCISE TAX 1ST 1/4%	800,000					200,000	200,000	200,000	200,000
UNDESIGNATED PARK RESERVE	92,000		92,000						
DONATION HAPO	210,000		30,000	30,000	30,000	30,000	30,000	30,000	30,000
LTGO BOND FUND	250,000	250,000							
UNDESIGNATED PARK RESERVE	15,000	15,000							
<b>TOTAL</b>	<b>\$ 2,156,051</b>	<b>\$ 309,555</b>	<b>\$ 786,496</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 270,000</b>	<b>\$ 230,000</b>	<b>\$ 270,000</b>	<b>\$ 230,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
PARK MAINTENANCE	22,250				2,500	2,750	4,500	5,500	7,000
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 22,250</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ 2,500</b>	<b>\$ 2,750</b>	<b>\$ 4,500</b>	<b>\$ 5,500</b>	<b>\$ 7,000</b>

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
CAPITAL ITEM	30,000	380-337-0066-594599-6403
<b>TOTAL</b>	<b>\$ 30,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Park, Facility & Trail Signage

Type of Project

Waterfront

Partnership Project?

Waterfront Project?

Project #

**WF140009**

Formerly PR130013

Key #

**6**

Goal #

**3**

Strategic Leadership Plan Project?

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO \*GMA LEVEL OF SERVICE?

## PROJECT DESCRIPTION

2016-2021 fabrication and installation of standardized park, facility and trail signage including park and facility monument signs, directional, entry, rule, and other instructional signage.

## PROJECT ASSUMPTIONS

## BENEFITS

Standardization of city-wide signage.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
FABRICATION AND INSTALLATION	220,000	45,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 220,000</b>	<b>\$ 45,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
UNDESIGNATED PARK RESERVE FUND	180,000	40,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
RE EXCISE TAX 1ST 1/4%	40,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 220,000</b>	<b>\$ 45,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	25,000	380-337-0066-594524-6334
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Shoreline Enhancement and Deferred Maintenance

Type of Project

Waterfront

Partnership Project?

YES

Waterfront Project?

YES

Project #

**WF140010**

Formerly PR130015

Key #	Goal #
5	3

Strategic Leadership Plan Project?

No

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO \*GMA LEVEL OF SERVICE?

## PROJECT DESCRIPTION

The Columbia and Yakima Rivers are a valuable economic and recreational amenity. 2016-2019 implement shoreline stabilization, tree limbing/removal, noxious weed control and shoreline enhancement and beautification. 2020-2021 construct day use areas, road improvements and parking for kayak launching in the Wye levee area.

## PROJECT ASSUMPTIONS

Shoreline Vegetation Management Plan to be negotiated with the Corps of Engineers and approved in 2016.

## BENEFITS

Protect shoreline from erosion, increase appearance of shoreline, provide views of the river, provide day use areas and improve user level of comfort in the Wye levee area.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
VEGETATION & SHORELINE MAINTENANCE	240,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
CONSTRUCTION & RIVERSHORE ENHANCEMENT	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 240,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
UNDESIGNATED PARK RESERVE FUND	240,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>TOTAL</b>	<b>\$ 240,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	30,000	380-337-0066-594571-6403
<b>TOTAL</b>	<b>\$ 30,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Howard Amon Park: Riverfront Trail & Beach Restoration

Type of Project

Waterfront

Partnership Project?

NO

Waterfront Project?

YES

Project #

WF140011

Formerly PR130019

Key #

6

Goal #

3

Strategic Leadership Plan Project?

No

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

PROJECT ADMINISTRATION: Parks & Public Facilities

PROJECT LOCATION: Howard Amon Park

PROJECT TIMELINE: 2015-2025

RESPONSE TO \*GMA LEVEL OF SERVICE?

NO

## PROJECT DESCRIPTION

Reconstruct 2,350 lineal feet of the Riverfront trail from the Hampton Inn to north Howard Amon Park. This project will include trail lighting, removal and replanting of 17 trees. It is estimated that 240 feet of trail can be completed per year. 2016 - 200' of beach restoration and 500' of sidewalk. 2018 - another 200' of beach restoration.

## PROJECT ASSUMPTIONS

Permitting will be completed by 2016.

## BENEFITS

This current section of the Riverfront Trail is narrow and the trail surface has been impacted by tree roots. The new trail will provide a 15 foot wide cross section, trail lighting and level surface. Beach restoration will create an attractive water-based amenity for tourists and families.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	918,000			180,000	108,000	180,000	150,000	150,000	150,000
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ 918,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 180,000</b>	<b>\$ 108,000</b>	<b>\$ 180,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
RE EXCISE TAX 1ST 1/4%	252,000			42,000		60,000	50,000	50,000	50,000
BUSINESS LICENSE RESERVE FUND	316,000			48,000	58,000	60,000	50,000	50,000	50,000
HOTEL/MOTEL - LODGING TAX	330,000			70,000	50,000	60,000	50,000	50,000	50,000
CRIMINAL JUSTICE SALES TAX	20,000			20,000					
	-								
	-								
<b>TOTAL</b>	<b>\$ 918,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 180,000</b>	<b>\$ 108,000</b>	<b>\$ 180,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	180,000	380-337-0066-596793-6304
<b>TOTAL</b>	<b>\$ 180,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>



# Gateway Entrance Improvements

Type of Project

Waterfront

Partnership Project?

Waterfront Project?

Project #

**WF140012**

Formerly PR130008

Key #	Goal #
6	2

Strategic Leadership Plan Project?

PROJECT NAME:

PROJECT ADMINISTRATION:

PROJECT LOCATION:

PROJECT TIMELINE:

RESPONSE TO \*GMA LEVEL OF SERVICE?

## PROJECT DESCRIPTION

The City of Richland Gateway Plan was adopted by Council in 2012. Locations include major entrances such as Leslie Road/Amon Basin, Stevens/By-Pass Highway, GW Way/Aaron Drive, Van Giesen/ SR-240 (Stevens Triangle), Columbia Center Blvd/Fowler St. Beginning in 2016 and through 2021, we anticipate significant gateway improvements for the reconfigured GW Way/Aaron Drive intersection, Vantage Highway city limit, Keene Road city limit, Columbia Park Trail city limit and the Lee Dock. \$19,000 will be used in 2016 as the City's contribution to a regional wayfinding plan.

## PROJECT ASSUMPTIONS

The regional wayfinding plan will standardize directional and tourist-oriented signs across the region. Implementation of the plan will begin in 2016. Additionally, the 2015 Brooks International Waterfront Plan includes other gateway projects that could begin implementation in 2016.

## BENEFITS

Improve community image in high visibility locations.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
DESIGN	-								
CONSTRUCTION MANAGEMENT	-								
CONSTRUCTION	469,000	190,826	98,174	36,000	36,000	36,000	36,000	36,000	
10% CONTINGENCY	-								
OTHER ENG. SERVICES	-								
<b>TOTAL</b>	<b>\$ 469,000</b>	<b>\$ 190,826</b>	<b>\$ 98,174</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
RE EXCISE TAX 1ST 1/4%	469,000	190,826	98,174	36,000	36,000	36,000	36,000	36,000	
	-								
	-								
<b>TOTAL</b>	<b>\$ 469,000</b>	<b>\$ 190,826</b>	<b>\$ 98,174</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ 36,000</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\***

**ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	36,000	380-337-0066-594590-6403
<b>TOTAL</b>	<b>\$ 36,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Community Center Modernization

Type of Project Waterfront		Partnership Project? <input type="text" value="NO"/>	Waterfront Project? <input type="text" value="YES"/>	Project # <b>WF150014</b>
Key # <b>6</b>	Goal # <b>1</b>	Strategic Leadership Plan Project? <b>No</b>		
PROJECT NAME: <input type="text" value="Community Center Modernization"/>				
PROJECT ADMINISTRATION: <input type="text" value="Parks &amp; Public Facilities"/>				
PROJECT LOCATION: <input type="text" value="Community Center"/>				
PROJECT TIMELINE: <input type="text" value="2016"/>				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="text" value="No"/>				

## PROJECT DESCRIPTION

The Community Center currently has a dedicated computer lab. Computer labs were important public amenities when the facility was constructed, but access to the internet is now much more convenient and use of the lab is low. The Richland Public Library can accommodate public access to the internet and both the Library and RCC now include free public Wi-Fi. Modern recreation facilities in Washington are focusing on health and fitness. This project will convert the existing fitness room to a conference/meeting room and convert the computer lab and existing meeting room to a fitness room. This will require the removal of an existing wall between the computer lab and the meeting room. New fitness/cardio equipment will be purchased. New flooring will be placed in each room.

## PROJECT ASSUMPTIONS

Richland Public Library public computers will satisfy demand for public computer access.

## BENEFITS

Conversion of a little-used computer lab into fitness space will bring additional users into the facility and more fully utilize the waterfront asset.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	45,000			45,000					
	-								
	-								
<b>TOTAL</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
RE EXCISE TAX 1ST 1/4%	45,000			45,000					
	-								
	-								
<b>TOTAL</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**FOR FINANCE STAFF USE ONLY** ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE		
DESCRIPTION	2016	CODING
CAPITAL ITEM	45,000	380-337-0066-594194-6403
<b>TOTAL</b>	<b>\$ 45,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Columbia Point Marina Park Field Lighting & Improvements

Type of Project:  Partnership Project?  Waterfront Project?  Project # **WF150015**

Key # **2** Goal # **2** 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 a cornerstone of the City's Waterfront. The park, adjacent to several waterfront hotels, condos and restaurants includes a marina, boat launches and practice sports fields. This project would convert the unlit practice fields into lighted, multi-purpose fields. Attracting additional activity to the waterfront is an important City objective and lighting the fields and improving the condition of the fields will promote additional use and activity at the waterfront facility.

## PROJECT ASSUMPTIONS

Receive RCO Youth Athletic Field (YAF) grant.

## BENEFITS

Lighting the field will provide additional field space for various sports games and practices. Brings additional people and activity to the waterfront.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	280,000			280,000					
<b>TOTAL</b>	<b>\$ 280,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 280,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
GRANT (YAF)	140,000			140,000					
RE EXCISE TAX 1ST 1/4%	140,000			140,000					
<b>TOTAL</b>	<b>\$ 280,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 280,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**\*\*FOR FINANCE STAFF USE ONLY\*\* ALL 2016 PROJECTS MUST HAVE CODING AND IDENTIFIED AS CAPITAL/MAINTENANCE**

DESCRIPTION	2016	CODING
CAPITAL ITEM	280,000	380-337-0066-596797-6403
<b>TOTAL</b>	<b>\$ 280,000</b>	<b>TOTAL MUST EQUAL PROJECT COSTS FOR 2016 ABOVE</b>

# Richland Public Library Makerspace

Type of Project Waterfront		Partnership Project? <input type="checkbox"/> YES	Waterfront Project? <input type="checkbox"/> YES	Project # WF150016
Key # 2	Goal # 2	Strategic Leadership Plan Project? <input type="checkbox"/> No		
PROJECT NAME: Richland Public Library Makerspace				
PROJECT ADMINISTRATION: Parks & Public Facilities				
PROJECT LOCATION: Library				
PROJECT TIMELINE: 2017				
RESPONSE TO *GMA LEVEL OF SERVICE? <input type="checkbox"/> No				

## PROJECT DESCRIPTION

The Richland Public Library has a history of and continues to manage the collection and range of programs to meet the needs of the Community. One effort is to create space within the existing facility for a makerspace. Makerspaces are places for people to experiment, invent, innovate, and build items and could be compared to workshop areas in OMSI or the Pacific Science Center. WSU Tri Cities, the Port of Kennewick, Port of Benton, PNNL, Benton-Franklin COG, STEM consortium, a local private technology coworking facility (FUSE), and Richland Public Library are working together on a regional effort. The facility in RPL would be consistent with Library culture and would be "quiet, dry and clean".

## PROJECT ASSUMPTIONS

Funding will come from a combination of construction reserve, Hanford contractors, and the Library Foundation.

## BENEFITS

This space is part of the Libraries efforts to grow with and remain relevant to the community. The space will build on existing community resources, such as PNNL Family Engineering Program and the STEM schools. The space will build on the Library's tradition of learning and creativity.

PROJECT COST ESTIMATE	Total Estimated Project Cost	Project Costs To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
CONSTRUCTION	125,000				125,000				
EQUIPMENT	75,000				75,000				
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
RECOMMENDED FUNDING SOURCES	Total Estimated Project Revenues	Project Revenue To-Date 12/31/14	Authorized Budget Remaining in 2015	2016	2017	2018	2019	2020	2021
LIBRARY FOUNDATION	70,000				70,000				
PRIVATE DONATIONS	30,000				30,000				
LIBRARY CAPITAL RESERVE (GFUND)	100,000				100,000				
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OPERATING & MAINTENANCE COSTS (IMPACTS)	Total Estimated Project Operating & Maint. Costs			2016	2017	2018	2019	2020	2021
	-								
	-								
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>