SUMMARY

PURPOSE

For the past four biennial budgets, Staff has given the Council a preview of the Capital Improvement Plan (CIP) before the Preliminary Budget was produced. The purpose of this preview has been to give the Council an early opportunity to react to and weigh in on the proposed CIP projects.

Such is the purpose this Monday night on which staff will guide the Council through a review of the proposed CIP projects with the following objectives in mind:

- To get concurrence on at least 90% of the proposed projects.
- To identify those projects for which Council needs more information or time to evaluate (hopefully less than 10% of the projects).
- To decide on when the Council wants staff to address any CIP follow-up items:
  -- At one of the operating budget review hearings on Oct. 20th or Nov. 3rd?
  -- At the final budget review hearing on Nov. 17th?
  -- At a “special” budget review hearing that could be held on Oct. 27th?

A finalized 2009-2014 CIP will be presented to the Council at the budget review hearing on November 17th.

BACKGROUND

Every two years the City Staff prepares a biennial budget proposal that the City Manager presents to the City Council for approval. The biennial budget includes both operational and capital components. The
the capital spending proposal is known as the Capital Improvement Program (CIP). The calendar for development of the CIP section of the budget is presented below:

**2009-2014 CIP Budget Calendar**

- Mar 3: CIP kick-off with Council
- Mar 10: CIP kick-off with Staff
- April 14-18: Staff - Project Review Meetings
- June 11-13: Staff - Project Review Meetings (Final Cut)
- July 7: CIP Preview with Council
- Oct 3: Distribute 2009-2010 Budget Document to Council
- Nov 17: Budget Review Meeting on CIP
- Dec 8: Adopt 2009-2010 Budget

### BUILDING A CAPITAL BUDGET

Council and Staff have been discussing the expenditure building blocks for the upcoming CIP for several months. Each biennium, Council provides direction via its annual planning session discussions and various financial and budget policies. The Council’s Financial Guiding Principles (Exhibit 1) and CIP related Budget Policies (Exhibit 2) are included here starting on page 12. Adoption of comprehensive planning documents, such as the Transportation Improvement Plan (TIP) adopted in June 2008, the Water System Plan anticipated to be adopted on Monday night, the General Sewer Plan completed in February 2003, the Parks and Recreation Plan adopted February 2007, the Open Space Vegetation Plan completed in 2004 and the April 2006 Luther Burbank Park Master Plan give more specific project direction. A Technology Plan was also completed in 2007, in time to guide staff on technology project priorities. In the case of the TIP, the Council actually approves the street and other related projects which are then simply inserted into the capital budget document.

Based on these plans, conditions in the field, and citizen interest, project managers proposed projects for the Six-Year CIP. Proposed projects were then vetted through two sets of review meetings with the City Manager, Finance Director, and Deputy Finance Director in which projects were evaluated based on business need and funding availability. During this process, a number of projects were eliminated. In addition, some projects were pushed out to a later year either within the six year planning period (2009-2014) or beyond 2014.

New efforts made with the preparation of this preliminary CIP include:

- Held a CIP kick-off meeting with the Council in March 2008 in which information was provided and direction was sought on specific CIP-related issues. These are discussed further in the “Significant CIP Issues” section below.
- Developed a new “Project Summary Report” by project category and project status (Exhibit 3) based on input from Council at their January 2008 Planning Session. The intent of this report is to simplify Council’s review of the preliminary CIP by focusing primarily on newly proposed and unfunded or partially funded projects.
- Developed a new CIP Database to facilitate CIP budget planning, analysis, and reporting. The Project Sheets attached (Exhibit 4) were printed from the new CIP Database.
- Performed a thorough review of City staffing needs related to CIP. Staff reviewed the engineering, project management, and support staff (technical, inspection, administrative, public information, and legal services) required to support the proposed CIP. Staffing needs are discussed further in the “Project Management Challenges” section of this report.

The Utility Board also reviews capital projects for the three City utilities. As a preliminary step to reviewing the budgets for all utilities and recommending rate increases for 2009, the Board previewed the proposed CIP projects for the Water, Sewer, and Storm Water utilities at their June 17th meeting.
SIGNIFICANT CIP ISSUES

During the March 3rd CIP kick-off presentation to Council (AB 4282), staff identified a number of issues related to development of the CIP Budget.

Issues which were informational included:

- **Construction Environment** – General construction costs are expected to continue to rise, but at a slightly slower rate than the 4-6% increases seen in recent years. Street construction costs are expected to continue to rise at a faster rate (about 8%) due to continued increases in fuel and asphalt costs.

- **Capital Funding for Project Managers** – Project management costs are built into project cost estimates. The number, cost, and complexity of projects have increased. During 2007-2008 staff added two contract FTE’s to assist with Parks and Storm Water capital project management. There is a growing need for more project management staff to carry out the capital priorities of the Council.

- **Parks Levy** – Reminded Council that the scope of the levy would be finalized in July-August 2008.

- **Mary Wayte Pool** – Future operational and capital funding needs were discussed at the June mini-Planning session. The Council directed staff to include the $50,000 for capital replacement needs in the parks ballot measure.

The Council provided direction on the following CIP related issues:

1. **Should the overhead costs associated with the City Manager’s Office, City Attorney’s Office, and Finance Department be charged to the capital projects funds? (Estimated to be $175K-$200K/yr).** Yes. Overhead costs will be allocated to the Street, CIP, Water, Sewer, and Storm Water Funds in proportion to the project expenditures for the 2009-2010 biennium. Overhead costs have been calculated, and are currently capped at $200,000 for 2009.

2. **Should the cost of ROW Tree Maintenance ($110K/yr) be moved from the General Fund to the Capital Budget, given that Vegetation Management costs are currently funded by REET ($275K/yr)?** Yes. These costs will be moved to the Capital Budget (Street Fund). These costs were included in the Transportation Improvement Plan (TIP) adopted by Council in June 2008.

3. **Should staff “true up” the REET 1 funding for facilities maintenance projects in 2009-2010 (Estimated at $350K-$400K/yr)?** Yes. Council wants to see the true cost of building maintenance for each of the City facilities for the 2009-2014 CIP. These costs are reflected in the CIP Preview. Council is not interested in creating a sinking fund for facilities CIP projects.

4. **Should the REET distribution between the Street Fund and the Capital Improvement Fund be adjusted?** Yes. The CIP Preview is based on REET funds being distributed first to the Street Fund (in order to meet the Street Maintenance and Construction Budget Policy funding goal of inflation + 1%). The remainder of REET will be distributed to the CIP Fund for Parks and City Building projects.

5. **Should additional tax revenues from 2007 year-end “available” fund balances be used to fund the Sewer Lake Line project?** Yes. Council approved distributing $1.0M to the Sewer Lake Line project as part of the 2007 Year-End Transfer (AB 4321 – June 16, 2008).

6. **Should any of the 2007 year-end “available” fund balances be used to complete the roadside shoulders on East Mercer Way in 2009-2010?** Yes. Council approved distributing $1.4M from the 2007 Year-End transfer to the EMW Shoulder project (AB 4321 – June 16, 2008).
PROJECTS FOCUSED ON SUSTAINABILITY

Many of the projects proposed for the 2009-2010 biennium contain efforts toward sustainability. In many cases, there are hidden or indirect efforts toward sustainability. For some projects, staff intends to purchase recycled materials (e.g., some Park Improvements include playground equipment made from recycled materials) or to recycle some of the materials replaced (e.g., removed Water Hydrants, Valves, Meters and other metal scraps will be recycled and asphalt removed from Street Improvement projects will be recycled and reused on other road projects in the region as either gravel road base or aggregate for new asphalt pavement). For many repair and improvement projects, doing the repairs before further damage occurs can minimize the extent of work, the amount of fuels and materials consumed and the overall cost of construction. For example, the Arterial Street Preservation project targets arterials that have developed localized pavement failures and makes repairs to extend the life of the overall roadway.

Some other indirect or hidden efforts toward sustainability include:

1. Adding Traffic Signals in the Town Center should reduce the consumption of fossil fuels while sitting in traffic,
2. Replacing Sewer Telemetry Controls will reduce the number of false alarms and likewise, reduce the number of vehicle trips to sewer pump stations,
3. Mobile Asset Data Collection will allow staff to view public right-of-way features on video, and will reduce the number of vehicle trips made by staff into the field,
4. Partnering with the EGov Alliance on a joint Orthophotography (aerial photography) flight will reduce the number of individual flights made for each city for their mapping needs, and
5. Compound and Reservoir Meter Replacements will increase the accuracy of water consumption measurement and assist staff in identifying and reducing water loss throughout the water system.

More direct efforts toward sustainability include:

1. Pedestrian and Bicycle Facilities (PBF) Gap Completion and Safe Routes to School – are intended to encourage walking or biking (as an alternative to driving),
2. Low Impact Development Demonstration Project – will demonstrate landscaping techniques that use storm water runoff in an environmentally friendly way,
3. Installing additional recycle bins in parks as part of the Minor Park Improvements project will increase participation in recycling efforts,
4. With the help of PSE conservation staff, improvements to save energy will be identified and evaluated for City Hall, the Maintenance Shop, Main Fire Station, and Thrift Shop, and
5. For Fleet Replacements reducing fuel consumption and cutting emissions will be the top priority for this project. Alternative fuel options are being evaluated, vehicles are being “right-sized” where possible, and ways to reduce the overall size of the fleet are being evaluated.

PROJECT PROPOSALS AND SUMMARY STATISTICS

The preview version of the CIP for the 2009-2010 biennium is comprised of 65 individual projects totaling $41.6 million. This CIP project proposal includes the Sewer Lake Line project, which has a total estimated project cost of $27.9M. The 2009-2010 biennium includes the forecasted construction cost of $25.3 million. The six year budget period (2009-2014) CIP for the preview contains 84 individual projects, totaling $74.9 million. Many of the projects are annual reinvestments in buildings, streets, parks, and utilities. Reports containing descriptions of individual projects are contained in Exhibit 4 beginning on page 25. The following table shows how project expenditures for the 2009-2010 biennium and the 2009-2014 six-year CIP plan break down by category.
Comparison of Preliminary CIP by Category

<table>
<thead>
<tr>
<th>Category</th>
<th>2009-2010 TOTAL (CIP)</th>
<th>2009-2014 TOTAL (CIP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parks, Recreation and Open Space</td>
<td>$1,741,000</td>
<td>$7,246,000</td>
</tr>
<tr>
<td>Streets, Pedestrian and Bicycle Facilities</td>
<td>$5,530,000</td>
<td>$15,423,000</td>
</tr>
<tr>
<td>Buildings, Equipment and Technology</td>
<td>$2,840,000</td>
<td>$10,189,000</td>
</tr>
<tr>
<td>Utilities</td>
<td>$31,524,000</td>
<td>$42,060,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$41,635,000</strong></td>
<td><strong>$74,918,000</strong></td>
</tr>
</tbody>
</table>

FUNDING STATUS SUMMARY

At the January 2008 Council Planning Session, Finance Director Chip Corder proposed a new method of reviewing projects during the CIP Preview. Projects would be organized within Category (Streets, Parks, etc.) as to whether they are Funded–No Change, Funded–Modified, Funded-New Projects or Unfunded/Partially Funded.

The Category breakdown of the projects is included in the graph on the left below. Street projects included in the proposed CIP are from the recently adopted Transportation Improvement Plan, and should require little to no discussion on Monday night. Note that the Sewer Lake Line project is included in the Sewer projects which makes up 37% of the total.

A breakdown of projects by Funding Status is presented in the graph on the right above. Newly proposed and/or Unfunded or Partially Funded projects will be highlighted and focused on during the CIP Preview to Council. These two categories of projects make up 12% of the total proposed CIP budget and include 24 projects. Funded projects with No Changes (they were already planned in the currently adopted 6 year CIP and had no changes other than inflationary adjustments and revised cost estimates) make up 17% of the proposed CIP budget and include 23 projects. These projects should require little or no review on Monday night. Projects that warrant some discussion are Funded Projects that have been Modified (projects that were planned in the currently adopted 6 year CIP, but have changed in terms of scope and/or timing). Projects in this category make up 71% of the CIP budget and include 37 projects. Note that the Sewer Lake Line project is included in this category.

The CIP Project Summary by Funding Status Report is attached as Exhibit 3 beginning on page 21.
PROJECT MANAGEMENT CHALLENGES

In the 2003-2004 biennium, there were 47 projects amounting to $16.7 million. Since then, the number and cost of CIP projects has increased significantly as noted in the table below.

<table>
<thead>
<tr>
<th>Comparison of Preliminary CIP by Category</th>
<th>2003-2004 ACTUAL (CIP)</th>
<th>2005-2006 ACTUAL (CIP)</th>
<th>2007-2008 FORECAST (CIP)</th>
<th>2009-2010 TOTAL (CIP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parks, Recreation and Open Space</td>
<td>$1,674,107</td>
<td>$1,549,654</td>
<td>$4,550,833</td>
<td>$1,741,000</td>
</tr>
<tr>
<td>Streets, Pedestrian and Bicycle Facilities</td>
<td>$2,624,225</td>
<td>$3,167,993</td>
<td>$6,045,210</td>
<td>$5,530,000</td>
</tr>
<tr>
<td>Buildings, Equipment and Technology</td>
<td>$7,882,991</td>
<td>$11,097,298</td>
<td>$6,850,284</td>
<td>$2,840,000</td>
</tr>
<tr>
<td>Utilities</td>
<td>$4,476,413</td>
<td>$3,929,131</td>
<td>$5,234,457</td>
<td>$31,524,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$16,657,736</td>
<td>$19,744,076</td>
<td>$22,680,784</td>
<td>$41,635,000</td>
</tr>
<tr>
<td>Number of Projects</td>
<td>47</td>
<td>61</td>
<td>71</td>
<td>65</td>
</tr>
<tr>
<td>FTE’s Regular</td>
<td>5.2</td>
<td>4.95</td>
<td>5.4</td>
<td>6.4</td>
</tr>
<tr>
<td>FTE’s Contract</td>
<td>1.25</td>
<td>1.25</td>
<td>3.75</td>
<td>5.5</td>
</tr>
<tr>
<td>FTE’s (Regular and Contract)</td>
<td>6.45</td>
<td>6.2</td>
<td>9.15</td>
<td>11.9</td>
</tr>
</tbody>
</table>

Notes:
- Parks, Recreation and Open Space – 2007-2008 Biennium included 2 large projects (SM Playfields and Luther Burbank Shoreline) for approximately $2.2 M.
- Streets and PBF includes SE 40th, 76th Avenue and North Mercer Way construction in 2007-2008 for a total of $3.6M, but also reflects 2 large projects in 2009-2010, EMW Shoulders and Town Center Signals for $3.5M.
- Buildings, Equipment, and Technology includes the following projects in 2007-2008: Vehicle Replacements, Fire Fleet, and Fuel Clean-up for $4.1 M, plus NORCOM start-up costs, SCBA equipment, and Phone System replacement for $0.8M. This can be compared with close to $0.7M in vehicle replacements anticipated for 2009-2010. This category also includes $3.6M in 2003-2004 and $8.6M in 2005-2006 for Community Center Building construction.
- Utilities include $1.0 M for construction of the Emergency Well and $25.3M for the Sewer Lake Line in 2009-2010.

Also, and perhaps more importantly, CIP projects have become more technically complex, have required more outside agency review (due to a more stringent regulatory environment), and have entailed more public involvement, which has resulted in more Council interest and scrutiny. Together, these factors have consumed any excess CIP staff capacity and then some. To help address this issue in the 2007-2008 biennium, two contract employees were hired for two year terms: a full-time stormwater project engineer and a full-time project manager, whose time has been spent mostly on parks.

After analyzing how the City’s current project management/engineering staff (including regular and contracted employees) spend their time, it became apparent that they spend an excessive amount of time providing administrative support for their projects, which diminishes their ability to accomplish the high volume of projects efficiently. Consequently, the proposed 2009-2010 CIP was built to address this issue and to complete all proposed projects within projected funding constraints. Specifically, the following additional CIP staff, analyzed by project category, have been incorporated into the project budgets:
<table>
<thead>
<tr>
<th>Project Category</th>
<th>2007-2008 CIP</th>
<th>2009-2010 CIP</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stormwater</td>
<td>1.0 contract FTE (new)</td>
<td>1.0 contract FTE</td>
<td>No change</td>
</tr>
<tr>
<td>Parks</td>
<td>1.0 contract FTE (new)</td>
<td>1.0 contract FTE</td>
<td>No change</td>
</tr>
<tr>
<td>Streets</td>
<td></td>
<td>1.0 contract FTE</td>
<td>1.0 contract FTE</td>
</tr>
<tr>
<td>Facilities</td>
<td>0.5 regular FTE (change in allocation)</td>
<td>1.0 contract FTE</td>
<td>0.5 contract FTE</td>
</tr>
<tr>
<td>Technical Support</td>
<td></td>
<td>0.25 contract FTE</td>
<td>0.25 contract FTE</td>
</tr>
<tr>
<td>Admin Support</td>
<td></td>
<td>1.0 regular FTE</td>
<td>1.0 regular FTE</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>2.5 FTE’s</strong></td>
<td><strong>5.25 FTE’s</strong></td>
<td><strong>2.75 FTE’s</strong></td>
</tr>
</tbody>
</table>

The two contract positions added for the 2007-2008 biennium for stormwater and parks need to be renewed in 2009-2010. The reduction in time available to spend on project management by the City Engineer and an increase in stormwater projects continues to be the driver for the stormwater contract FTE. As for parks, the need for the 1.0 contract FTE continues to be driven by the increase in the number of parks projects over the past six years and the corresponding lack of any dedicated project management staff, except for the 0.5 FTE arborist. In addition, a contract FTE is needed in 2009-2010 for street project management. The EMW Shoulders project is the primary driver for this 1.0 contract FTE. The 2009-2010 proposed CIP was developed with a dedicated full-time contract FTE for streets, parks, and stormwater respectively.

As for public facilities, the City currently charges only half of a full-time regular employee to the CIP, which began this biennium. The other half of this position, which is the Facilities Coordinator, is charged to the General Fund. The current position is responsible for both the regular (routine) and major maintenance program (CIP projects) of the City. The City’s diverse public facilities include office and work spaces, supply warehouse, vehicle shop, 7-day a week community center, leased day care facility, fire stations, and a retail sales facility (Thrift Shop). Each facility was designed and is maintained differently- serving unique needs and customers while engaging widely diverse use patterns.

The City has leveraged this single Facilities Coordinator resource by relying heavily on external service providers to help regularly maintain its roofs, heating, ventilation, air conditioning, parking lots, security systems, plumbing, windows, elevators, furnishings, flooring, lighting, etc. Over 35 such facility service contracts are currently managed by the Facilities Coordinator. As noted above, in addition to regular maintenance oversight, the City’s capital repairs and major maintenance program is also managed by the same Facilities Coordinator. These two significant tasks have grown in complexity beyond the capability of one individual staff member to manage effectively and efficiently.

There’s an overwhelming need for a full-time position to oversee all of the facilities major/CIP projects- specifically the planning, budgeting, bidding, contracting, project and construction management activities associated with major infrastructure maintenance and repairs for seven (7) large public facilities. Equally important is the routine (daily, weekly, monthly), customer generated and preventative maintenance needs that if left unaddressed, leads to major and more expensive repair costs. For comparison, the facilities resource support (custodial work excluded) provided at the cities of Kirkland and Issaquah are noted below:

<table>
<thead>
<tr>
<th>Mercer Island</th>
<th>Kirkland</th>
<th>Issaquah</th>
</tr>
</thead>
<tbody>
<tr>
<td>150,000 sq ft</td>
<td>200,000 sq ft</td>
<td>250,000 sq ft</td>
</tr>
<tr>
<td>1.0 regular FTE</td>
<td>5.0 regular FTE’s</td>
<td>9.0 regular FTE’s</td>
</tr>
</tbody>
</table>

What’s proposed is downgrading the existing Facilities Coordinator to a Facilities Technician- focusing on the routine and preventative maintenance program- and fully charging to the General Fund. Moderate
salary savings would be realized from this change. A new 1.0 contract FTE for CIP project management (project planning, implementation and oversight) would then be created. The net staffing increase is a 1.0 contract FTE.

To address the technical and administrative support issue noted above, a 1.0 regular FTE for administrative support and an increase of 0.25 contract FTE for technical support are highly recommended. For a number of years, the City has been well served with a highly efficient and skilled 0.75 contract FTE (i.e. Engineering Technician), who has provided technical support (i.e. computer-aided design; field inspections; engineering design) to project managers/engineers for street and utility projects. This position has been vacant for approximately 4 months. By providing the needed technical skills (roadway, pedestrian facilities, and utility preliminary design; right of way and public easement preparation, technical plan development, etc.) internally in support of the City’s capital program and by expanding the role by 0.25 FTE to meet the ongoing project needs, capital project savings can be realized that would otherwise be outsourced at a much higher cost (estimated at 2 to 3 times higher).

In addition, no dedicated administrative support has been provided to the City’s capital program- pushing the burden of clerical tasks to the already well-tasked project managers and engineers and two existing Department administrative assistants in DSG and Parks and Recreation who have many other critical responsibilities supporting daily operations. Tasks such as RFP/RFQ and bid advertisements, posting of bid openings and awards, mailing of construction project updates to affected residents, maintaining the Architectural and Engineering and Small Works rosters and reporting requirements, plans and specifications distribution and tracking, paying invoices, etc. are duplicated processes across multiple project managers. Consolidating these functions and dedicating a position toward their implementation will enable more highly technical and skilled staff to focus on project implementation.

In terms of funding, the stormwater contract FTE is wholly funded by the stormwater utility, the streets and parks contract FTE’s are wholly funded by REET revenue, and the facilities contract FTE and the technical and administrative support positions are funded primarily by REET, with a small portion funded by each of the utilities. Absent this additional staffing, the projects in the proposed 2009-2010 CIP will need to be scaled back to strike a revised balance between current staffing resources and capital project needs.

REVENUES FOR CAPITAL PROJECTS

The main revenue sources for Capital projects include the following:

1. Real Estate Excise Taxes (REET) may only be used to pay for specific capital purposes and may not be used to pay for equipment or technology. REET pays for streets, parks, open space, and building reinvestment projects budgeted in the CIP. In addition to REET, Gas Taxes are also used to pay for street and trail projects identified in the six-year TIP.

2. Utility Rates can only be used to pay for operations and capital reinvestment in the City’s utilities. Utility Rates will generate approximately $350,000 (Water), $670,000 (Storm Water), and $1.3 million (Sewer) in 2009 for reinvestment in our water, sewer, and storm drainage systems. Other revenues used to finance utility capital projects include connection fees and interest earnings. Connection fees and interest will contribute another $270,000 for Water capital projects, and will generate about $50,000 each for the Storm Water and Sewer capital projects.

3. Other Taxes (General Fund revenues) are the least restrictive revenue source, and while usually directed to operations, they are also used to fund capital which cannot be paid from other sources (REET or Utility Rates). General Fund revenues are used to pay for general government equipment and technology.

4. Grants are sought to pay for portions of specific projects when appropriate. Examples include TIB grants for arterial streets, FEMA grants for protection of our water reservoirs, and the ALEA grant for restoration of Luther Burbank park shoreline.
5. Reserves primarily include sinking funds for the scheduled replacement of computers and vehicles.

6. Other Revenues include private contributions occasionally used to pay for capital improvements. One example is improvements made to the Thrift Shop building are paid for from Thrift Shop donations/sales.

Debt is occasionally used to finance large capital projects. Examples include the purchase of the Mercerview property, construction of the new Community Center building, and replacement of a segment of Sewer Lake Line. The debt service is ultimately paid by one of the previously mentioned revenue sources. For example, REET revenue is used to pay the CCMV debt, and sewer rates will pay the debt on the Sewer Lake Line project.

The revenue sources for individual projects are identified on each project sheet, as well as on the summary spreadsheet. Most revenues for capital projects come with restrictions. Utility rates may only be used for the projects of the respective utility, gas taxes may only be used for street and trail projects, and real estate excise taxes (REET) are reserved for capital projects to help develop a community’s public infrastructure (e.g., parks, open space and streets). The City’s capital financing strategy is to use these restricted revenues on a “pay as you go” basis for needed improvements. The table below summarizes the Council’s previously adopted financing strategy for capital projects.

<table>
<thead>
<tr>
<th>REET 1</th>
<th>REET 2</th>
<th>General, Reserve and Other Funds</th>
<th>Utilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facilities Planning, Maintenance and Acquisition</td>
<td>Infrastructure Maintenance and Construction</td>
<td>Equipment and Technology</td>
<td>Infrastructure Maintenance and Construction</td>
</tr>
<tr>
<td>Property Acquisition</td>
<td>Streets</td>
<td>Equipment</td>
<td>• Sanitary Sewer</td>
</tr>
<tr>
<td>• Open Space</td>
<td>• Construction</td>
<td>• Vehicles Replacement</td>
<td></td>
</tr>
<tr>
<td>• Community Center</td>
<td>• Maintenance</td>
<td>• Public Safety Items</td>
<td></td>
</tr>
<tr>
<td>Open Space</td>
<td>Pedestrian and Bicycle Facilities</td>
<td>Technology</td>
<td>• Stormwater</td>
</tr>
<tr>
<td>• Planning</td>
<td>• Construction</td>
<td>• Computers</td>
<td></td>
</tr>
<tr>
<td>• Improvements</td>
<td>• Maintenance</td>
<td>• Software</td>
<td></td>
</tr>
<tr>
<td>Public Buildings</td>
<td>Parks</td>
<td>• Communications</td>
<td></td>
</tr>
<tr>
<td>• Repair</td>
<td>• Construction</td>
<td>• Maintenance</td>
<td>• Water</td>
</tr>
<tr>
<td>• Maintenance</td>
<td>• Maintenance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Planning and Design</td>
<td>• Maintenance</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Because it is a significant part of the City’s capital revenue base, further discussion of REET and Utility Rate revenue follows.

**REET REVENUE**

Real Estate Excise Tax (REET) is the 0.5% tax paid by the seller in property transactions. State law restricts the use of REET for specific capital purposes. REET-1 (the 1st quarter of 1% of the sales price) may be used for streets, parks, facilities or utilities. REET-2 (the 2nd quarter of 1% of the sales price) may be used for streets, parks, or utilities, but may not be used for facilities. Neither REET-1 or REET-2 may be used for equipment or technology.

REET is the largest revenue source to both the Street Fund and the Capital Improvement Fund (which pays for reinvestment in City buildings, parks, and open space). Gas Taxes also provide a portion of the funding to the Street Fund. During the CIP kick-off, staff presented the following forecast for REET Revenue (2008-2014). The CIP preview has been developed within the funding constraints of this REET forecast.
Projecting REET revenue receipts to date through the end of the year 2008, REET could drop to $1.8 million. As discussed in AB 4321 (2007 Year-End Transfer), staff has retained $500,000 in the Capital Reserve Fund and forecasts that at least another $500,000 will be available from the 2008 General Fund year end surplus, should REET fall below the $2.2 M forecast. REET has become more volatile in the last few years, with declines in the number of home sales, but also with several significant commercial property sales. REET revenue can jump by $1.0 M or more as the result of one commercial property sale. Staff will continue to monitor REET revenue throughout the year, and will re-visit forecasted REET for 2008-2010 with the Council at the Nov. 17th final budget review hearing.

The following chart shows trends (past and forecasted) for REET revenue.

**Utility Rates**

Based on the proposed capital reinvestment program for the utilities and preliminary operating budget estimates, rate increases for 2009, 2010, and the following four years are expected to be in the following range:

**Forecasted Utility Rate Increases (2008-2014)**

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<tbody>
<tr>
<td>Forecasts Water Rate Increase</td>
<td>8.8%</td>
<td>9.5-10.0%</td>
<td>8.8%</td>
<td>8.8%</td>
<td>8.8%</td>
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<td>2008 Water Study</td>
<td>8.8%</td>
<td>8.8%</td>
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<tr>
<td>Forecasts SPU Increase          (June 08)</td>
<td>10.0%</td>
<td>10.0%</td>
<td>10.0%</td>
<td>10.0%</td>
<td>3.5%</td>
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<tr>
<td>Forecasts Sewer Rate Increase</td>
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<td>8-10%</td>
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<td>2008 Sewer Rate Study</td>
<td>18.1%</td>
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<tr>
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<td>14.1%</td>
<td>0.0%</td>
<td>11.2%</td>
<td>9.6%</td>
<td>7.8%</td>
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<td>5.5%</td>
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DELAYED OR UNFUNDED CAPITAL NEEDS

During the development of the proposed CIP, departments presented project requests which exceeded the forecasted revenue stream. During the CIP project review process, some projects were delayed by a year or more, but remained in the 2009-2014 proposed CIP. Others were “pushed out” of the six year planning period to keep projects in balance with revenue streams. Even with the delay of several projects, staff is confident that the City’s infrastructure can be maintained within appropriate standards. Those projects that were postponed beyond 2014 include the following:

- **Mercerwood Drive Water Improvements** ($1,150,000) were pushed out from 2012/13 to beyond 2014. To move this project forward would require delaying another water project or water rate increases in excess of 10%.
- A portion of **Storm Water Basin Improvements** ($330,000) originally proposed for 2014 were pushed out to beyond 2014.
- **Island Crest Park Master Plan Improvements** ($500,000) originally proposed for 2011 (now pushed to beyond 2014) as a placeholder for future anticipated park improvements (trail & bridge improvements, tennis court resurfacing & light replacement, playground upgrades, etc. stemming from a 2007-08 park master plan process (yet to get underway).
- **Luther Burbank Master Plan Improvements** ($735,000) originally proposed for 2011 and 2013 (mostly master plan improvements now addressed by the proposed parks ballot measure) were pushed to beyond 2014.
- A portion of **Minor Park Improvements** ($300,000) originally proposed for 2013-2014 were delayed to beyond 2014.

Overall, $3,015,000 in projects were pushed out to beyond 2014.

Several long term capital needs have not been included in the project sheets. These include: Open Space Acquisition, elements of various Park Master Plan Implementations, and the South Fire Station Renovation. In addition, there is a long list of Utility reinvestment projects (undersized water mains, aging sewer pipe, storm water basins and conveyance pipe), which could be tackled at a faster pace with additional capital resources.

THE PRESENTATION

Monday night’s CIP presentation will open with an overview given by Finance Director Chip Corder and Deputy Finance Director Francie Lake. Project managers will be on hand to answer specific questions from the Council about proposed CIP projects.

In order to allow us to finish preparation of the 2009-2010 CIP, Staff will be seeking general direction and feedback from the Council on the proposed project mix and financing strategy.

RECOMMENDATION

*Finance Director and Deputy Finance Director*

MOVE TO: Receive presentation and give general direction so that Staff may finish preparation of the Capital Budget. No other action required tonight.
Financial Guiding Principles

General Prioritization of Needs –

- Address operating and capital needs according to the Council’s adopted Priorities of Government.
- Address existing known operating service and capital improvement needs before adding new capital assets or services.
- Continually review services for efficiency and effectiveness. (Added at 2006 Mini-session).

Financing Priorities –

Operating Funds

- Maintain reserves at fiscally responsible levels (high, medium, low risk levels?)
- Spend unallocated fund balances before acquiring new revenues.
- Allocate any yearend General Fund surplus with the following priorities:
  1. First address any deficiencies in Contingency Reserves up to established policy levels;
  2. Then apply to starting General Fund balance for succeeding year up to the level that eliminates any projected deficits; (Council narrowed to only succeeding year at Mini-session.)
  3. Then apply to unfunded capital needs.

- Ongoing operating revenues should be applied with the following priority:
  1. Satisfy operating service needs
  2. New operating services needs
  3. Capital expenses

- Consider seeking a property tax levy lid lift when the following conditions exist: the need for additional revenue is clear and convincing.
  1. There is a consensus among Councilmembers that reallocation of existing revenues and/or reducing or eliminating other services is not an acceptable solution.
  2. The need for revenue is driven by demands for:
     o maintaining existing service levels for the City’s highest priority services; or
     o adding new basic services; or
     o expanding the scope of existing services.
Consider using “banked capacity” only under the following conditions:

1. The need for additional revenue is clear and convincing.
2. There is a consensus among Councilmembers that reallocation of existing revenues and/or reducing or eliminating other services is not an acceptable solution.
3. The need for revenue is driven by demands for maintaining existing service levels for the City’s highest priority services (e.g. public safety).

**Capital Funds**

- Acquisition of major new capital assets should generally be funded with new revenues.
- Ongoing capital revenues should be applied with the following priority:
  1. Maintain or upgrade existing capital assets
  2. Acquire new capital assets

- Use debt financing only when the following conditions exist:
  1. Object of the expenditure is a major new capital asset.
  2. Object of expenditure can be used by residents/taxpayers in the future.
  3. There are insufficient existing capital revenues available.
  4. All the revenue is needed at the same time (i.e. the project cannot be phased over time).
Capital Improvement Program

Background

The City of Mercer Island separates the Capital Improvement Program (CIP) into two parts: the Capital Reinvestment Plan (CRP) and the Capital Facilities Plan (CFP). The CRP contains all major maintenance projects for existing public assets. The CFP consists of proposed new capital facilities.

Capital Reinvestment Program (CRP)

The CRP’s purpose is to organize and schedule repair, replacement and refurbishment of public improvements for the City of Mercer Island. The CRP is established as a six-year program setting forth each of the proposed maintenance projects, including the cost and funding source. The individual six-year plans for capital reinvestment serve as the City’s capital planning documents as required by the City’s Comprehensive Plan (Capital Facilities Element) and the State Growth Management Act. CRP projects are generally paid from existing City resources, in other words “pay as you go”.

The program emphasis in a reinvestment plan is timely repair and maintenance of existing facilities. To this effect, while new equipment and improvements are made to some older fixed assets, the intent is to design a program, which will preserve and maintain the City’s existing infrastructure. The maintenance and enhancement of the taxpayer’s investment in fixed assets remains the City’s best defense against the enormous cost of the replacement of older but still very valuable public improvements.

The CIP is intended to be a public document. For this purpose, it is organized by functional area. Hence, any individual who wishes to gain knowledge about a project need not know the funding source or any other technical information but only need to know the general type of improvement in order to find the relevant information. The Capital Reinvestment Program is divided into four functional programmatic areas: streets -- including pedestrian and bicycle facilities, park and recreational facilities - - including open space, general government -- including building repairs, technology and equipment, and utilities -- sewer, storm water, and water.

CRP projects are typically "pay as you go", -- funded from the current operations of the City Street Fund, Capital Improvement Fund, Technology and Equipment and the Utility Funds (Water, Sewer, and Stormwater).

Capital Facilities Plan (CFP)

The CFP is also a six-year plan to outline proposed new capital projects. The CFP is divided into the same four component parts: streets - including pedestrian and bicycle facilities, parks/recreation and open space facilities, general government, and utilities - water, sewer and storm drainage. Like the CRP, the CFP plan for new facilities is intended to provide easy reading. Each project in the plan is described briefly and the total cost and appropriation for a six-year period is stated. Like the CRP, the CFP serves the capital planning requirements for six-year plans as outlined in the Comprehensive Plan and State Growth Management Act.

As it is with the CRP, the CFP is organized by category of project.

Funding for CFP will generally be decided simultaneously with the approval of the project. This may involve a bond issue, special grant or a source of revenue that is outside the available cash resources of the City.
Nomination Process

As a part of each biennial budget process, the CIP Committee receives proposals for needed capital projects submitted by the affected department managers, team leaders, advisory bodies, City Council, and others. The CIP Committee compiles and reviews the project proposals, their associated costs and funding sources. Based upon Council priorities of government and staff-developed project evaluation criteria, the Committee makes a recommendation on project funding priorities to the City Manager. Council-appointed boards and commissions, such as the Utility Board, also provide input to project funding requests.

Priorities of Government

Building on the success of using local Priorities of Government to plan the 2005-2006 operating budget, the City Council asked that a similar prioritization scheme be developed for the City’s CIP. For the 2007-2008 CIP, proposed projects have been evaluated based on six important purposes for capital maintenance and building projects on Mercer Island. These are specifically projects that promote:

1. Community safety
2. Efficient/effective delivery of service
3. Reliable public infrastructure
4. Protection of the community character of the island
5. Enhancement of the general well being of the island
6. Open and informed public involvement processes

Routinely CIP projects have been sorted and presented by category, year of construction and revenue source. In this budget we have added an additional matrix showing projects by priority of government.

Conclusion

Together the CRP and the CFP provide a planning tool for the maintenance of existing public improvements and the construction of new public facilities. While all capital plans require annual updating this process will provide a solid foundation for Council planning and decision-making.

Management Policies for 2007-2008

- Increase public involvement in the planning and design of capital projects.
- Improve public information about pending construction projects and their impacts (detours, delays, and effects on neighborhoods).
- Use signage and the City’s website to highlight certain projects.

Budget Policies for 2007-2008

- CRP projects take priority over CFP projects in recognition of the desire to maintain and improve existing assets before acquiring new assets. Acquisition of major new capital assets should generally be funded with new revenues.
- For “macro-financial” issues, staff should use at least a 10-year time frame and extend the financing period out to as much as 20 years for some capital items.
- Use debt financing only when the following conditions exist:
  1. Object of the expenditure is a major new capital asset.
  2. Object of expenditure can be used by residents/taxpayers in the future.
  3. There are insufficient existing capital revenues available.
  4. All the revenue is needed at the same time (i.e. the project cannot be phased over time.)
• Major impacts on the City’s operating funds will be identified and budgeted before projects are approved.
• The CIP is a dynamic plan subject to changes in City Council policy, financial environment, design information, emergencies, and unique opportunities that can arise over a multi-year planning period.
• The CIP will be developed in accordance with requirements of the State Growth Management Act and will be consistent with Capital Facilities Element of the City’s Comprehensive Plan.
• Within the context of a biennial budget, the City will develop a six-year plan for capital improvements. The six-year plans contained in the CIP fulfill the City’s six-year planning requirements outlined in the Growth Management Act and Comprehensive Plan.
• The City will enact a two-year capital budget based on the CIP.
• The City will attempt to maintain its assets at a level adequate to protect capital investment and minimize future maintenance and replacement costs.
• The City will identify the estimated costs and potential funding sources for each capital project proposal before it is submitted to the City Council for approval.
• Capital projects are budgeted and funds allocated in the year that the project is acquired or constructed.
• Whenever possible, capital improvements will be scheduled and completed in the same year.
• Prior to City Council funding commitments on major capital projects, the City will conduct detailed and professional cost estimating analyses.
• In general, the City will plan and implement capital improvement projects so that the spring-summer-fall construction season is used to the community’s greatest advantage.
• Technology projects will be budgeted and accounted for in the Technology Fund.
• When the City receives unanticipated or extraordinary capital revenue, the City Council will consider transferring it to the Capital Reserve Fund, or:
  1. Complete a previously identified, unfunded project;
  2. Add funds to a capital program category (such as parks) for a specific desired project;
  3. Advance an already programmed and budgeted capital project (such as pedestrian and bicycle facilities); or
  4. Complete a project that will decrease maintenance and operating costs.
Street Maintenance and Construction

Background

As part of each biennial budget cycle, City staff develops and prioritizes street, pedestrian and bicycle facilities maintenance and construction projects. The proposed projects are reviewed annually during the Six-Year Transportation Improvement Program (TIP) and biennially during the Capital Improvements Program (CIP) planning processes. Both the TIP and the CIP plans are submitted to and ultimately approved by the City Council.

As prescribed by state law, the City Council adopts a "Six-Year Transportation Improvement Program" as part of the budget process. (The Six-Year Plan covering the 2007-2008 biennium is included below as part of this budget policy.) Adoption of the program also serves to implement portions of the City Comprehensive Plan (Transportation and Capital Facilities Elements).

Since 1988, the City Council has prescribed a street maintenance and construction financing policy that has steadily increased funding; more than doubling the amount of funds dedicated to street projects. This strategy has enabled the City to make significant investments in the community's street system.

In all, the City has increased its Street Fund revenues from approximately $600,000 in 1985 to an annual revenue stream of approximately $1.5 million. This level of reinvestment in the City's streets and pedestrian and bicycle facilities systems will ensure that the City's arterial and residential streets will be maintained at safe and efficient levels within twenty or thirty year life cycles.

Assuming implementation of the following budget policies, this level of funding will also support completion of the highest priority street projects in the upcoming biennium, including implementation of projects identified in the 1996 Pedestrian and Bicycle Facilities Plan.

Management Policies for 2007-2008

- Street construction and maintenance planning will take into account current and anticipated land development plans. Annual production of the Six-Year Transportation Improvement Plan will make explicit projects that are programmed to service private development and public capital facilities.
- The City will continue to analyze intersections to measure the traffic impacts associated with development proposals to maintain the City's adopted traffic level of service standard. Project impacts determined by this analysis will be mitigated through the SEPA process.
- Whenever possible, construction of pedestrian and bicycle facilities will be coordinated with arterial and residential street construction projects. This will allow best use of Street Fund expenditures and reduce reliance on City Maintenance crews to do actual construction of pedestrian and bicycle facilities.
- Staff will coordinate development of additional segments of roadway shoulder on the Mercer Ways as part of and in addition to adjacent arterial construction projects and utility improvements.
- Safety remains the first consideration among the existing implementation criteria for the Pedestrian and Bicycle Facilities Plan. As with residential streets, private contribution may be considered as a factor, although of lower importance than any of the other seven criteria in the adopted Plan.
- From time to time staff may recommend departure from the adopted Pedestrian and Bicycle Facilities Plan design standard for a walkway associated with a particular street improvement. In such cases, the Council will review the project and proposed walkway standard during a pre-design phase. Recognizing the Council's desire to facilitate access to public open spaces, an update to the plan may be advisable.
Budget Policies

• To the greatest possible extent, improvements to substandard residential streets and pedestrian and bicycle facilities will be made according to current City construction standards. Customized design to suit individual homeowner preference will be discouraged in order to make highest and best use of scarce construction dollars and implementation resources.

• Streets located within public rights-of-way, opened to the public, previously maintained by either the County or the City, serving more than one residence are public roadways. Starting in 1998 previously unmaintained or limited maintenance residential streets (so-called “substandard streets”) serving more than one residence began to be maintained by the City to at least a public safety standard. In addition to the assumption of their maintenance, substandard streets will continue to be upgraded on a regular basis.

• All residential streets (with exception of those described in the next paragraph below) will be regularly evaluated and prioritized for improvement based on a technical review and other criteria (review of safety, maintenance and implementation). The criteria are not weighted in order to maintain flexibility needed to accommodate unexpected needs or opportunities. However, the result will provide predictability for when particular streets are expected to be improved. Private contributions may be considered as a factor, although of lower importance than any of the other criteria.

• At times residents wish to change the maintenance status of their street. Occasionally, residential streets have been granted deviation from City street standards and were granted City Council resolutions of “no maintenance” will remain unmaintained and unimproved for now. On a case-by-case basis they may be considered by the Council for future improvement and maintenance.

• Staff will continue to provide more effective and meaningful public involvement opportunities on the subject of street maintenance and construction.

Budget Policies for 2007 - 2008

• 100% of annual fuel tax revenues will be used for pavement marking, patching, residential street overlays and substandard residential street upgrades.

• $100,000 of annual Real Estate Excise Tax revenues (2nd quarter-cent) is used for pedestrian and bicycle facility maintenance and construction projects.

• The balance ($615,000 in 2007) from annual Real Estate Excise Tax revenues (2nd quarter-cent) is dedicated to major street construction projects. The Storm Water Utility will absorb an appropriate share of the costs of adding drainage systems to some residential streets. This will allow certain residential streets in need of repair to move up on the priority list for the residential street repair program.

• Prior to the 2001-2002 Budget, the General Fund contributed $285,000 annually to uses of street maintenance and the Street Fund. With voter-limited property tax revenues and historic high levels of real estate transactions, the Council decided that in years that REET receipts surpass historical funding levels, the General Fund contribution to the Street Fund will be offset by an equal level of REET 2.

• Funding for street maintenance and construction will be maintained on an inflation adjusted basis. Using 2002 as the revenue benchmark, funding will be increased by an annual factor of inflation (the Annual Average ENR Construction Cost Index for Seattle) plus one percent.

2007 - 2008 Budget Impact

See the following "Six-Year Transportation Improvement Program" spreadsheet for specific revenues and project expenditure details.
Information Technology

Local governments, like Mercer Island, are increasingly expected to provide accurate, timely and comprehensive information on services and initiatives impacting the businesses and lifestyles of their citizens. The City is required to streamline business practices while adhering to complex and rapidly changing regulatory requirements. In addition, citizens expect the City to collect and process their input and comments as well as interpret and convey information about programs, services, regulatory impacts, geographic/land features, emergency alerts and more. To do so, City staff must store and supply an immense amount of information to perform their duties.

A primary and significant City business function is communicating information - creating, disseminating and archiving diverse and rapidly changing information and data for staff and citizens. To do so efficiently and effectively within the City, Information Technology services support:

- 250 telephone handsets, extensions and business lines
- 19 network servers
- 192 workstations servicing over 230 users
- 9 diverse business-specific applications
- 7 satellite/independent City facilities and associated infrastructure
- Remote network access and wireless network applications

This infrastructure services financial, payroll and utility billing systems, geographical mapping services, citizen and customer maintenance requests, internal and external websites, electronic newsletters and Listserves, security systems, maintenance management tools, building permit systems, water and waste water monitoring, facility scheduling and recreational activity registration, irrigation and ballfield lighting controls and more.

Wise City investment in technology tools (hardware, software, networks, phone systems, etc.), regional technology partnerships and strategic innovation enables the City to maximize its limited human and financial resources. In addition, as one of the nine regional founding partners in the eCityGov Alliance, now a consortium of 13 member agencies, the City can capitalize on the pooling of resources and leadership skills to provide more seamless and easy to use on-line services for citizens and businesses through one website portal.

The City will continue to replace and upgrade its Information Technology systems, support business specific applications and pursue pilot projects where innovations may improve service delivery or provide services more efficiently.

Initiatives

- Increase response for public disclosure/public information through a web-based searchable public document management system for citizens and staff;
- Enhance user functionality, navigability and search capabilities by upgrading and enhancing the City’s website;
- Pursue wise and economically feasible investments/replacement of technology tools, systems and equipment through the development of a new Information Technology/Geographic Information Systems (GIS) strategic plan;
- Investigate methods to more efficiently disseminate critical incident and emergency information to citizens and emergency workers using the City’s website and Geographic Information Systems (GIS);
Budget Policies

- Replace antiquated telephone (voice), network (data) and computer equipment and database systems to better support rapidly changing business systems and their operating requirements;
- Facilitate improved communications with DSG Pre-Application clients, staff and emergency workers through the installation of projection equipment and interactive whiteboards in City Hall conference rooms;
- Conduct more accurate measurements and analysis of roadways and shoulders, utilities, residential and business building footprints, utilities, trees and vegetation and property line delineations by updating the 7 year-old aerial mapping data with high accuracy (within 1 foot) color aerial photos of the Island;
- Facilitate production of the City’s budget and fixed asset accounting process by upgrading the City’s financial system to allow web-based budgeting and capital project management;
- Consolidate social service client data, referrals and follow-up tracking by implementing a single centralized database with user friendly features;
- Integrate additional park facilities into the City’s maintenance management system by conducting a second phase of park asset inventorying using the City’s Geographical Information Systems (GIS) tools;
- Eliminate duplication of data entry associated with maintaining the City’s four separate address databases and improve accuracy by creating a single unified address database for all City business systems;
- Improve customer access to park and trail information through the development of web-based navigation tools and print-from-home functionality

Strategies

The City’s strategies for implementing these initiatives include:

- Consolidating GIS and IT services organizationally to maximize limited technical resources and more efficiently support the City’s diverse business systems;
- Insuring 24/7 reliability of the City’s core business systems through timely upgrades, patches and redundant infrastructure configuration as well as prompt vendor and IT support response;
- Supporting further low-cost/high benefit development of eCityGov Alliance products and services (e.g. online access to building permit status; utility billing and payment; park and trail search engine, etc);
- Focusing Information Technology investments on core business needs and pursuing inexpensive solutions otherwise;
- Prioritizing and promptly responding to customer work order requests and regularly evaluating and analyzing trouble-shooting requests for patterns of system unreliability or user errors;
- Pursuing reputable and reliable off-the-shelf software systems and standardizing custom development whenever possible;
### CIP Project Summary

#### Capital Reinvestment Plan

#### Parks, Recreation and Open Space

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<tr>
<th>Project Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<th>Total</th>
<th>REET/ Gas Tx</th>
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<td>25 Open Space - Vegetation Management</td>
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<td>28 Island Crest Park Minor Improv.</td>
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<td>30 South Mercer Drainage Improvements</td>
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#### Streets, Pedestrian and Bicycle costs

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**Note:** The table above summarizes the project costs and source of funds for the Capital Reinvestment Plan. The projects are categorized under Parks, Recreation and Open Space, and Streets, Pedestrian and Bicycle costs. Each project entry includes the project description, costs for each year from 2008 to 2014, and the total cost. The source of funds includes REET/Gas Tax, Utilities, Other Taxes, Grants, Reserves, and Other sources.
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## Sewer Utility

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### Total General Government costs

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### Total Storm Drainage Utility costs

|            | 100  | 495  | 2,020| 420  | 1,590| 1,163| 949  | 6,597 | 0           | 6,047     | 0           | 550     | 0        | 0     |

## Water Utility

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<th>2014</th>
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<th>Other</th>
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### Total Water Utility costs

|            | 217  | 1,015| 630  | 841  | 1,047| 727  | 1,859| 6,119 | 0           | 6,119     | 0           | 0       | 0        | 0     |

### Total Capital Reinvestment Plan

|            | 4,470| 24,666| 15,285| 7,561| 8,131| 7,391| 8,131| 71,165| 22,728     | 40,469     | 2,434     | 1,522   | 3,663   | 349   |
# Capital Facilities Plan

## Parks, Recreation and Open Space

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<th>2010</th>
<th>2011</th>
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**Total Parks, Recreation and Open Space costs**

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## General Government

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**Total General Government costs**

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## Water Utility

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**Total Water Utility costs**

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## Total Capital Facilities Plan

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AB 4327
Exhibit 3
Page 24
Open Space - Vegetation Management

Project Manager: P. West  Proposed ID: pdw01  Total Exp (thousands): $1,921

Project Description: Provide vegetation management, trail improvements and property management in existing open space areas consistent with 2004 Open Space Vegetation Plan and Pioneer Park Forest Management Plan.

Business Need: Meet Plan goals for removal of invasive species and restoration of parks and open spaces; improve recreation; resolve obscure property boundaries.

Existing Conditions: Forty-three percent (43%) of open space is heavily invaded by non-native plants that will cause loss of the forest. Managing these properties include work on trail access and park boundary issues.

Prior Council Review: AB 3818 12/15/03, AB 3922 10/4/04, AB 4053 1/30/06, AB 4173 5/7/07

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<th>Revenue</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
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<tr>
<td>REET 1</td>
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Project Duration
Staff Responsible: Paul West  Start Date: 01/01/2009  End Date: 12/31/2010
Labor Hours: 1,080  Public Involvement: As Needed
Homestead - Minor improvements

Project Manager: M. Elde  Proposed ID: ME0113  Total Exp (thousands): $250

Project Description: Make minor upgrades to facility that are consistent with Homestead master plan.

Business Need: Replace worn equipment or park amenities, make repairs to pathways and tennis court area and make additions to the ballfield that are consistent with the master plan.

Existing Conditions: Increased ballfield use and requests for added amenities. Equipment is worn and outdated.

Prior Council Review: None

Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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Revenue ($1,000's)

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Project Duration

<table>
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<tr>
<th>Staff Responsible: M. Elde</th>
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<tbody>
<tr>
<td>Labor Hours: 0</td>
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<td>Public Involvement: Not Applicable</td>
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</table>
Recurring Park Projects

Project Manager: K. Kerner  Proposed ID: KK01  Total Exp (thousands): $720

Project Description: Construct kiosks, replace signage, perform emergency repairs, purchase park furnishings, and make trail improvements, building and other repairs.

Business Need: Park infrastructure must be maintained to ensure safety and functionality.

Existing Conditions: On a recurring basis equipment, facilities and amenities must be repaired or replaced as they reach the end of their useful lifecycle.


<table>
<thead>
<tr>
<th>Expenditure</th>
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<tbody>
<tr>
<td>Description</td>
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<table>
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<tr>
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<tr>
<td>Labor Hours: 240  Public Involvement: Not Applicable</td>
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Island Crest Park Minor Improvements

Project Manager: M. Elde  
Proposed ID: ME0211  
Total Exp (thousands): $50

Project Description: Replace playground equipment that is at the end of its useful life cycle and make improvements to meet existing demand at the park.

Business Need: Playground equipment is at the end of its useful life cycle. Continued operation may cause safety concerns.

Existing Conditions: Playground equipment is no longer in compliance with ASTM and CPSC guidelines.


<table>
<thead>
<tr>
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<th>Description</th>
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<th>2009</th>
<th>2010</th>
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<tr>
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<tr>
<td>Labor Hours: 0</td>
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<tr>
<td>Public Involvement: Not Applicable</td>
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</table>
Regional Trail Connections (KC Prop 2 Levy)

Project Manager: M. Elde  Proposed ID: ME0510  Total Exp (thousands): $507

Project Description: Construct trails that connect city assets or the town center to the regional trail system in King County.

Business Need: Some sections of existing trail need to be repaired and connections need to be constructed where no trails currently exist.

Existing Conditions: Trails need to be repaired or in some cases designed and built to fill in gaps in our existing trail system. King County Parks levy revenue will be used to pay for improvements.

Prior Council Review: Mid-Biennial Budget Review AB 4236 11/19/07

Expenditure ($1,000's)

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<td>$72</td>
<td>$73</td>
<td>$72</td>
<td>$73</td>
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Revenue ($1,000's)

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<th>2012</th>
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<tbody>
<tr>
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<td>$73</td>
<td>$72</td>
<td>$73</td>
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Project Duration

Staff Responsible: Elde, West, Kerner  Start Date: 01/01/2009  End Date: 12/31/2009

Labor Hours: 250

Public Involvement: Neighborhood Survey
South Mercer Drainage Improvements

Project Description: Make drainage improvements to grass athletic fields at South Mercer.

Business Need: Grass outfields with poor drainage reduce the amount of opportunity for practices and games. The demand for quality athletic fields is at an all time high on the island.

Existing Conditions: Drainage system has failed in some areas, resulting in standing water and mud on the fields.

Prior Council Review: None

Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
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Revenue ($1,000's)

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Project Duration

Staff Responsible: M. Elde
Start Date: 01/01/2011
End Date: 12/31/2011
Labor Hours: 0
Public Involvement: As Needed
I-90 Park Improvements

Project Manager: M. Elde
Proposed ID: CB01
Total Exp (thousands): $870

Project Description: Replace equipment and facilities that are at the end of their useful life cycle and make improvements to meet existing demand at the park.

Business Need: Playground area is at the end of useful life cycle. Upgrade boat launch - replace dock and add second lane for launching.

Existing Conditions: Playground equipment no longer in compliance with ASTM and CPSC guidelines. Boat Launch is congested during high use periods and dock needs to be replaced.

Prior Council Review: None

<table>
<thead>
<tr>
<th>Expenditure ($1,000's)</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
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Project Duration
Staff Responsible: Mike Elde
Start Date: 01/01/2009
End Date: 12/31/2010
Labor Hours: 260
Public Involvement: Open House
Minor Park Improvements

Project Manager: M. Elde

Proposed ID: CB03

Total Exp (thousands): $1,405

Project Description: Make minor park improvements to Groveland Beach Park. Implement first phase of a recycling program in level A parks.

Business Need: The playground is in high demand and has worn out elements. Recycling by means of installing containers in parks is part of our efforts to become more sustainable.

Existing Conditions: Worn and outdated equipment which requires repair and improvements. Currently there is no recycling program in City parks.


Expenditure ($1,000's)

<table>
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<tr>
<th>Description</th>
<th>2008</th>
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<th>2010</th>
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<th>2012</th>
<th>2013</th>
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<td>$235</td>
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Revenue ($1,000's)

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<td>$275</td>
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Project Duration

Staff Responsible: Mike Elde

Start Date: 01/01/2009

End Date: 12/31/2010

Labor Hours: 211

Public Involvement: Open House
Pavement Marking

Project Manager: B. Sansbury  Proposed ID: BS - 01  Total Exp (thousands): $180

Project Description: Replacing worn or missing street markings such as crosswalks, stop bars, arrows, RPM's (buttons) and other forms of delineators.

Business Need: To provide guidance and information to the road user while meeting the standards set forth in the Manual on Uniform Traffic Control Devices (MUTCD).

Existing Conditions: Overall conditions are satisfactory. On-going annual maintenance is needed to maintain visibility of street markings.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
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<th>2013</th>
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<td>$30</td>
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<td>$35</td>
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Project Duration
Staff Responsible: Bill Sansbury  Start Date: 03/01/2009  End Date: 10/31/2010
Labor Hours: 80  Public Involvement: Not Applicable
Pedestrian and Bicycle Facilities Gap Completion

Project Description: Work will fill in gaps in existing trails system and will focus on completion of gaps identified in the PBF Plan.

Business Need: Ongoing effort to upgrade existing facilities and add new trails as part of the PBF Plan and Transportation Element of the Comprehensive Plan.

Existing Conditions: Some existing trails have gaps in the system.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

<table>
<thead>
<tr>
<th>Expenditure</th>
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</tr>
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<tr>
<td>Street Fund</td>
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</table>

Project Duration

Start Date: 01/01/2009
End Date: 11/01/2010

Labor Hours: 250

Staff Responsible: C. Morris

Public Involvement: Various
Town Center Streets - 80th Ave, SE 29th and 32nd

Project Manager: C. Morris
Proposed ID: cem802
Total Exp (thousands): $910

Project Description: Repair and resurfacing of existing street pavement, curbs and sidewalks.

Business Need: This arterial street is near the end of its pavement life and needs resurfacing. Arterial streets are currently resurfaced on a 20 to 25 year life cycle. This project is the first of two phases that will complete the last of the town center street improvement started in 1994.

Existing Conditions: These streets are reaching the end of their useful life and are in need of resurfacing and rehabilitation.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
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<th>2013</th>
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### Revenue ($1,000's)

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### Project Duration

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<tr>
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**Residential Street Preservation**

<table>
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<tr>
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<th>C. Morris</th>
<th>Proposed ID:</th>
<th>CEM03</th>
<th>Total Exp (thousands):</th>
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</table>

**Project Description:** This annual program repairs and resurfaces public residential streets on the Island. Also included is the Substandard Residential Street Upgrades.

**Business Need:** Many of the Island's residential streets are 20 to 30 years old and are in need of major repair and resurfacing.

**Existing Conditions:** A biennial street condition survey determines which segments of the 52 miles of streets are most in need of repair. Current planning allows for a 30 to 35 year life cycle of residential street pavements.

**Prior Council Review:** 2009 - 2014 Transportation Improvement Plan

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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### Revenue ($1,000's)

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<th>2010</th>
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<th>2014</th>
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<tbody>
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<td>$963</td>
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### Project Duration

<table>
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<th>C. Morris</th>
<th>Start Date:</th>
<th>01/01/2009</th>
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</table>
# Arterial Streets Preservation

**Project Manager:** C. Morris  
**Proposed ID:** CEM04  
**Total Exp (thousands):** $420

**Project Description:** This program repairs failing segments of existing arterial streets to extend their service lives.

**Business Need:** Arterial streets have developed localized pavement failures that need permanent repair.

**Existing Conditions:** Some of the Island's arterial streets have developed segments of pavement fatigue and failure that need repair.

**Prior Council Review:** 2009 - 2014 Transportation Improvement Plan

## Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
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## Revenue ($1,000's)

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## Project Duration

- **Staff Responsible:** C. Morris  
- **Start Date:** 02/01/2009  
- **End Date:** 10/31/2010  
- **Labor Hours:** 100

**Public Involvement:** As Needed
Arterial Street Improvement - 72nd Ave. SE

Project Manager: J. Weiser
Proposed ID: WR715R
Total Exp (thousands): $380

Project Description: Repair and resurfacing of 72nd Ave. SE between 24th Ave. SE and 32nd Ave. SE. This project includes a paved pedestrian path on the west side of the roadway (WR742R).

Business Need: Many of the Island's streets are 20 - 30 years old and are in need of repair and resurfacing.

Existing Conditions: Roadway is showing signs of wear and fatigue.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

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<td><strong>Description</strong></td>
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</thead>
<tbody>
<tr>
<td><strong>Staff Responsible:</strong> Joan Weiser</td>
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Revenue ($1,000's)

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Project Duration

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<tbody>
<tr>
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<td>Public Involvement: Various</td>
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</table>
Arterial Street Improvements (2011-2014)

**Project Manager:** C. Morris  
**Proposed ID:** cem801  
**Total Exp (thousands):** $4,287

---

**Project Description:** Repair and resurfacing of arterial streets near the end of their pavement life. Arterial streets are currently resurfaced on a 20 to 25 year life cycle.

---

**Business Need:** Various arterial streets are approaching the end of their pavement life and are in need of resurfacing.

---

**Existing Conditions:** Arterial streets are primary segments of the City's transportation network. Aging sections are in need of resurfacing.

---

**Prior Council Review:** 2009 - 2014 Transportation Improvement Plan

---

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
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### Revenue ($1,000's)

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<th>2010</th>
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<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Street Fund</td>
<td>$541</td>
<td>$0</td>
<td>$50</td>
<td>$716</td>
<td>$2,284</td>
<td>$745</td>
<td>$492</td>
<td>$4,287</td>
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</table>

### Project Duration

**Staff Responsible:** C. Morris  
**Start Date:** 01/01/2010  
**End Date:** 12/31/2010

**Labor Hours:** 0  
**Public Involvement:** Combination
**East Mercer Way Shoulders - Phases 6 and 7**

**Project Manager:** C. Morris  
**Proposed ID:** CEM05  
**Total Exp (thousands):** $2,245

---

**Project Description:**
Construction of two more phases of shoulder improvements on East Mercer Way, from SE 53rd Place to 70th St. and SE 70th St. to the south tip of the Island. Once the project is completed, East Mercer Way will have a continuous paved roadside shoulder along its entire length.

---

**Business Need:**
This program continues the goal of creating widened paved shoulder areas along the Mercer Ways to improve pedestrian and bicycle access.

---

**Existing Conditions:**
This section of East Mercer Way currently has limited shoulder area.

---

**Prior Council Review:** 2009 - 2014 Transportation Improvement Plan

---

**Expenditure** ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
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<th>2009</th>
<th>2010</th>
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**Revenue** ($1,000's)

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<td>$0</td>
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**Project Duration**

- **Staff Responsible:** TBD  
- **Start Date:** 01/01/2009  
- **End Date:** 12/31/2010

**Labor Hours:** 2,100

**Public Involvement:** Various
Guardrail Development

Project Description: Design and construction of new guardrails on segments of the Mercer Ways, starting with East Mercer Way.

Business Need: Several off-the-road accidents have occurred along specific segments of EMW.

Existing Conditions: These segments of East Mercer Way have sharp curves, limited shoulder areas, and steep slopes.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

Expenditure ($1,000's)

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<tr>
<th>Description</th>
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Revenue ($1,000's)

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<th>2010</th>
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Project Duration

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<tbody>
<tr>
<td>Labor Hours</td>
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</table>
Pedestrian & Bicycle Facilities - 72nd Ave. SE

Project Manager: J. Weiser  Proposed ID: WR742R  Total Exp (thousands): $115

Project Description: Paved pedestrian path on west side of street between SE 24th St. and SE 32nd St. This is a companion project to the street improvement (WR715R).

Business Need: Provide improved all-weather walking facility along 72nd Ave. SE.

Existing Conditions: Walkway is gravel with depressed drainage grates in the path alignment causing uneven walking surfaces.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

<table>
<thead>
<tr>
<th>Expenditure</th>
<th>Description</th>
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Public Involvement: Various
Pedestrian and Bicycle Facilities (2011-2014)

Project Manager: C. Morris  Proposed ID: cem804  Total Exp (thousands): $678

Project Description: Work includes paved trails constructed in conjunction with arterial street improvement projects and other trail improvements.

Business Need: Ongoing effort to upgrade existing facilities and add new trails as part of the PBF Plan and Transportation Element of the Comprehensive Plan.

Existing Conditions: There are existing trails in need of rehabilitation and needs for improved non-motorized routes to schools from neighborhoods.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

<table>
<thead>
<tr>
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<th>2008</th>
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<tbody>
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</table>

AB 4327  Exhibit 4  Page 43
Town Center Traffic Signals (SE 27th St.)

Project Manager: P. Yamashita  Proposed ID: PY09-01  Total Exp (thousands): $1,180

Project Description: New traffic signals at the intersections of SE 27th St. & 77th Ave. SE and SE 27th St. & 78th Ave. SE.

Business Need: Maintain City-adopted Level of Service C for the free flow of traffic on City streets.

Existing Conditions: Traffic congestion is increasing at these intersections.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

<table>
<thead>
<tr>
<th>Expenditure</th>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
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<tr>
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<tr>
<td>Staff Responsible: P. Yamashita</td>
</tr>
<tr>
<td>Start Date: 06/01/2007</td>
</tr>
<tr>
<td>End Date: 12/31/2009</td>
</tr>
<tr>
<td>Labor Hours: 400</td>
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<tr>
<td>Public Involvement: Combination</td>
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</table>
Project Manager: P. Yamashita
Proposed ID: PY09-02
Total Exp (thousands): $20

**Project Description:** Design and project management of pedestrian plaza improvements on 78th Avenue SE between SE 27th Street and Sunset Highway in the Town Center. The plaza will be constructed and funded by two adjacent private development projects.

**Business Need:**
The Town Center Ad Hoc Task Force and City Council continue to look for opportunities to create attractive public gathering spaces in the Town Center, consistent with the 1994 Town Center Plan.

**Existing Conditions:**
This asphalt street is approximately 15-20 years old. The private properties adjacent to the street are undergoing redevelopment including streetscape improvements.

**Prior Council Review:** 2008 - 2013 and 2009-2014 Transportation Improvement Plans

### Expenditure ($1,000's)

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<th>Description</th>
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### Project Duration

- **Staff Responsible:** tbd
- **Start Date:** 06/01/2009
- **End Date:** 12/01/2009
- **Labor Hours:** 180
- **Public Involvement:** As Needed
Town Center Streets - Overlay

**Project Manager:** C. Morris  
**Proposed ID:** cem803  
**Total Exp (thousands):** $761

**Project Description:** Resurfacing of various streets in the north end of the Town Center impacted by pavement fatigue and development projects.

**Business Need:** The Town Center has experienced a surge of redevelopment in recent years. There is an expectation for streets in the Town Center to be well constructed and of good quality.

**Existing Conditions:** The streets in the north end of the Town Center are showing signs of age and wear. Additionally, many streets have numerous utility cuts as a result of redevelopment projects.

**Prior Council Review:** 2009 - 2014 Transportation Improvement Plan

### Expenditure ($1,000's)

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<th>2008</th>
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### Revenue ($1,000's)

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### Project Duration

**Staff Responsible:** C Morris  
**Start Date:** 01/01/2010  
**End Date:** 12/31/2014  
**Labor Hours:** 250  
**Public Involvement:** As Needed
Safe Routes to School

Project Manager: C. Morris  Proposed ID: cem805  Total Exp (thousands): $300

Project Description: In partnership with the Mercer Island School District, identify and construct Safe Routes to School.

Business Need: There is a growing interest in providing school children and their parents with safe non-motorized routes to school.

Existing Conditions: Parents often drive their children to school because there is a lack of safe walking routes to school. Fifty percent of students living in the walk zone of one elementary school traveled to school by automobile in 2008.

Prior Council Review: 2009 - 2014 Transportation Improvement Plan

<table>
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<tr>
<th>Description</th>
<th>2008</th>
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Project Duration
Staff Responsible: C. Morris  Start Date: 01/05/2009  End Date: 09/04/2009
Labor Hours: 250

Public Involvement: As Needed
Computer Equipment Replacements

**Project Manager:** M. Kaser  
**Proposed ID:** MK08-3  
**Total Exp (thousands):** $691

**Project Description:** Scheduled replacement of desktop computers and associated equipment.

**Business Need:** Routine replacement of outdated desktop computers and associated equipment.

**Existing Conditions:** Departments schedule replacement of desktop computers and contribute a predetermined amount to the Computer Equipment Replacement Fund.

**Prior Council Review:** 2007 - 2008 Budget

### Expenditure ($1,000's)

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<th>Description</th>
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<th>2010</th>
<th>2011</th>
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<th>2013</th>
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### Revenue ($1,000's)

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<td>$135</td>
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### Project Duration

**Staff Responsible:** M. Kaser  
**Start Date:** 01/01/2009  
**End Date:** 12/31/2010  
**Labor Hours:** 280  
**Public Involvement:** Not Applicable
Firefighting Equipment

Project Manager: C. Tubbs  Proposed ID: CT10  Total Exp (thousands): $179

Project Description: Upgrade and replace old fire fighting equipment.

Business Need: To provide the fire department with dependable and safe equipment.

Existing Conditions: Nozzles are old and are susceptible to increasing failure. Foam supply is exhausted. Lightweight apparel is needed for certain emergencies and training scenarios. A majority of fire hose is 20 years old. Pre-fire data and floor plans on commercial buildings is incomplete. Equipment to provide scene stability and protection is limited.


Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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</thead>
<tbody>
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Revenue ($1,000's)

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Project Duration

Staff Responsible: Tubbs  Start Date: 01/01/2009  End Date: 12/31/2010

Labor Hours: 125  Public Involvement: Not Applicable
High Accuracy Orthophotos

<table>
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<tr>
<th>Project Manager:</th>
<th>M. Onzay</th>
<th>Proposed ID:</th>
<th>GIS-ORTHO</th>
<th>Total Exp (thousands):</th>
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</table>

**Project Description:** Partnership with the ECityGov Alliance in obtaining high accuracy, color aerial photos every 2 years starting in 2009. Update GIS layers for building outlines, edge of road and driveways and boat docks every 4 years beginning in 2011.

**Business Need:** High accuracy digital orthophotography is the primary low-cost tool to obtain an "on the ground" picture of Island-wide property changes from which accurate measurements and analysis can occur.

**Existing Conditions:** Photography and feature extraction occurred in March 2007 and was delivered in January 2008.

**Prior Council Review:** 2007-2008 Budget

### Expenditure ($1,000's)

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### Revenue ($1,000's)

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<td>$0</td>
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### Project Duration

- **Staff Responsible:** GIS
- **Start Date:** 01/01/2010
- **End Date:** 12/31/2014
- **Public Involvement:** Not Applicable
- **Labor Hours:** 0
Website Redesign

**Project Manager:** A. Spietz  
**Proposed ID:** MK08-15  
**Total Exp (thousands):** $65

**Project Description:** A facelift to the website (layout, navigability, etc.) to enhance the viewer's experience and ability to quickly find the content they are looking for.

**Business Need:** The last five years have seen significant changes in web technologies and usability. A redesign would incorporate many of those changes for ease of use.

**Existing Conditions:** The current layout is not intuitive. Complaints have been received from external sources stating that it is difficult to find desired information.

**Prior Council Review:** 2007 - 2008 Budget

**Expenditure** ($1,000's)

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<th>Description</th>
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**Revenue** ($1,000's)

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**Project Duration**

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<tbody>
<tr>
<td>Labor Hours: 80</td>
<td>Public Involvement: Other Outreach</td>
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</table>
Technology Strategic Plan

Project Description: Update the City’s strategic plan for technology (data, voice and GIS) to reflect current and future business systems and identify resources necessary to support them.

Business Need: The 2008 plan will guide IT infrastructure and system investment through 2013. A new plan is necessary to guide staff and align IT services with current and future business needs.

Existing Conditions: City services are supported by numerous IT systems. Clear objectives and tactics based upon current and anticipated IT capabilities are necessary to guide wise investment of resources.


<table>
<thead>
<tr>
<th>Expenditure</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
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</tr>
<tr>
<td>Labor Hours</td>
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<tr>
<td>Public Involvement</td>
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</table>
Financial System Upgrades

Project Manager: F. Lake  Proposed ID: am06-11  Total Exp (thousands): $125

Project Description: Implement additional software enhancements to the Financial system.

Business Need: Facilitate production of budget and ongoing improvements to financial accounting and reporting capabilities.

Existing Conditions: Currently the system does not have an online budgeting module. Efficiencies can be gained by integrating with an improved CIP database and making improvements to reporting capabilities.


<table>
<thead>
<tr>
<th>Expenditure Description</th>
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<table>
<thead>
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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Fund</td>
<td>$30</td>
<td>$40</td>
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<td>$25</td>
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<td>$125</td>
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</tbody>
</table>

Project Duration
Staff Responsible: F. Lake  Start Date: 01/01/2009  End Date: 12/31/2014
Labor Hours: 120  Public Involvement: Not Applicable
Server Upgrades

Project Manager: M. Kaser  Proposed ID: MK08-1  Total Exp (thousands): $141

Project Description: Update server operating system software and server database software to current versions.

Business Need: The server operating system software and database software has reached its useful end of life and needs to be updated to a more recent version.

Existing Conditions: Desktop computers are currently running Windows Server 2003 and SQL 2000 for the operating system and database software. Both versions are outdated by two newer releases from Microsoft. We also need to update hardware for disaster recovery.

Prior Council Review: None

Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
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<td>$5</td>
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<td>$0</td>
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Revenue ($1,000's)

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<thead>
<tr>
<th>Description</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Fund</td>
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<td>$30</td>
<td>$25</td>
<td>$36</td>
<td>$30</td>
<td>$0</td>
<td>$20</td>
<td>$141</td>
</tr>
</tbody>
</table>

Project Duration

Staff Responsible: M. Kaser  Start Date: 01/01/2009  End Date: 12/31/2014

Labor Hours: 160  Public Involvement: Not Applicable
Mobile Asset Data Collection

Project Manager: M. Onzay  Proposed ID: GIS-MDAC  Total Exp (thousands): $90

Project Description: A camera system mounted on a van is used to collect video images of infrastructure elements visible from a public right of way. Geographic elements will be imported into the City's GIS database and maintenance management system for proactive planning of infrastructure maintenance. Users will be able to view and measure items through the City's online mapping system.

Business Need: Having images of every city-owned infrastructure item can reduce the number of site visits because the imagery could be viewed in the office. This reduces travel costs and saves valuable time and money.

Existing Conditions: Thousands of infrastructure items exist but are not completely inventoried within the City's databases.

Prior Council Review: None

Expenditure  ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology &amp; Equipment Acquisition</td>
<td>$0</td>
<td>$50</td>
<td>$0</td>
<td>$20</td>
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<td>$20</td>
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<td>$20</td>
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Revenue  ($1,000's)

<table>
<thead>
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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Fund</td>
<td>$0</td>
<td>$30</td>
<td>$0</td>
<td>$10</td>
<td>$0</td>
<td>$10</td>
<td>$0</td>
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<tr>
<td>Street Fund</td>
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<td>$0</td>
<td>$5</td>
<td>$0</td>
<td>$5</td>
<td>$0</td>
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Project Duration

Staff Responsible: GIS  Start Date: 01/01/2009  End Date: 12/31/2014  Public Involvement: Not Applicable

Labor Hours: 20
# Fleet Replacements

<table>
<thead>
<tr>
<th>Project Manager:</th>
<th>G. Boettcher</th>
<th>Proposed ID:</th>
<th>gb01</th>
<th>Total Exp (thousands):</th>
<th>$2,952</th>
</tr>
</thead>
</table>

**Project Description:** Procurement of equipment and vehicles scheduled for replacement through Fleet Services, including Police patrol vehicles, Marine Patrol boats and engines, various items of Maintenance rolling stock and administrative staff vehicles.

**Business Need:** Equipment and vehicles that have reached the end of their useful lives need to be replaced in a timely and cost-effective manner to minimize fuel use, reduce emissions and provide the desired services.

**Existing Conditions:** The Equipment Rental Fund is used to manage maintenance and replacement funds to ensure that the City's fleet can meet the needs and demands of public service.

**Prior Council Review:** 2007 - 2008 Budget

<table>
<thead>
<tr>
<th>Expenditure ($1,000's)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Replacements</td>
<td>$628</td>
<td>$364</td>
<td>$314</td>
<td>$1,064</td>
<td>$627</td>
<td>$500</td>
<td>$83</td>
<td>$2,952</td>
</tr>
<tr>
<td>Total</td>
<td>$628</td>
<td>$364</td>
<td>$314</td>
<td>$1,064</td>
<td>$627</td>
<td>$500</td>
<td>$83</td>
<td>$2,952</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Revenue ($1,000's)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
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<th>2014</th>
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<tbody>
<tr>
<td>Dept Fees</td>
<td>$628</td>
<td>$364</td>
<td>$314</td>
<td>$1,064</td>
<td>$627</td>
<td>$500</td>
<td>$83</td>
<td>$2,952</td>
</tr>
</tbody>
</table>

**Project Duration**

<table>
<thead>
<tr>
<th>Staff Responsible:</th>
<th>G. Boettcher</th>
<th>Start Date:</th>
<th>01/01/2009</th>
<th>End Date:</th>
<th>12/31/2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Hours:</td>
<td>360</td>
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</tbody>
</table>

**Public Involvement:** Other Outreach
City Hall Building Repairs

Project Manager: M. Olson
Proposed ID: mo
Total Exp (thousands): $927

Project Description: Projects include interior paint, hard surface floor replacements, building security improvements, exterior lighting upgrade, signage replacement and an auxiliary fuel tank for the building generator.

Business Need: To maintain the functions of the building for customers and users. The improvements are intended to enhance the life of the building and its systems.

Existing Conditions: There are inadequately lighted areas around the City Hall exterior premises. The tile floors have missing tiles and deteriorating grout. The generator needs additional fuel capacity for longer run time during power outages or emergencies. The signage is deteriorating and needs to be replaced.


<table>
<thead>
<tr>
<th>Expenditure ($1,000's)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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</thead>
<tbody>
<tr>
<td>Building Repairs</td>
<td>$75</td>
<td>$62</td>
<td>$53</td>
<td>$134</td>
<td>$160</td>
<td>$148</td>
<td>$206</td>
<td>$763</td>
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<tr>
<td>Project Management</td>
<td>$25</td>
<td>$20</td>
<td>$18</td>
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<tr>
<td>Total</td>
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<td>$82</td>
<td>$71</td>
<td>$169</td>
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<td>$175</td>
<td>$235</td>
<td>$927</td>
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<table>
<thead>
<tr>
<th>Revenue ($1,000's)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>REET 1</td>
<td>$100</td>
<td>$82</td>
<td>$71</td>
<td>$169</td>
<td>$195</td>
<td>$175</td>
<td>$235</td>
<td>$927</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Project Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Responsible: Marcy Olson</td>
</tr>
<tr>
<td>Start Date: 01/01/2009</td>
</tr>
<tr>
<td>End Date: 12/31/2010</td>
</tr>
<tr>
<td>Labor Hours: 500</td>
</tr>
<tr>
<td>Public Involvement: Not Applicable</td>
</tr>
</tbody>
</table>
## Maintenance Building Repairs

**Project Manager:** M. Olson  
**Proposed ID:** WG902R  
**Total Exp (thousands):** $555

### Project Description:
Projects include interior paint, exterior paint, security gates, and repair of the fence surrounding the facility.

### Business Need:
To maintain and enhance the safety and functionality of the facility.

### Existing Conditions:
The interior and exterior of the building is due for paint, there are several sections of broken fence that need to be replaced, and the security gates are ineffective.

### Prior Council Review:
2007 - 2008 Budget

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Repairs</td>
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<td>$53</td>
<td>$20</td>
<td>$50</td>
<td>$175</td>
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### Revenue ($1,000's)

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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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<tbody>
<tr>
<td>REET 1</td>
<td>$43</td>
<td>$20</td>
<td>$18</td>
<td>$7</td>
<td>$16</td>
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<td>$20</td>
<td>$48</td>
<td>$146</td>
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### Project Duration

- **Staff Responsible:** Marcy Olson  
- **Start Date:** 01/01/2009  
- **End Date:** 12/31/2010

**Labor Hours:** 400

**Public Involvement:** Not Applicable
Thrift Shop Repairs

**Project Manager:** M. Olson  **Proposed ID:** WG104R  **Total Exp (thousands):** $349

---

**Project Description:** Projects include a space remodel to provide more sales area, exterior door replacement, parking lot repair, siding replacement, an intercom system and bird screening.

---

**Business Need:** Comfort and safety for the customers and volunteers, and to prolong the life of the building.

---

**Existing Conditions:** The sales floor upstairs needs additional space for hanging and offering merchandise. Birds are destroying portions of the outside of the building and are a potential health hazard to customers. The siding needs to be replaced due to failure of the material and damage from birds. The furniture room door is rotting at the bottom.

---

**Expenditure** ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Repairs</td>
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<td>$36</td>
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<td>$36</td>
<td>$46</td>
<td>$277</td>
</tr>
<tr>
<td>Parks Repairs</td>
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<td>$4</td>
<td>$3</td>
<td>$3</td>
<td>$3</td>
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<td>$8</td>
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<td>$8</td>
<td>$8</td>
<td>$53</td>
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<tr>
<td><strong>Total</strong></td>
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<td>$79</td>
<td>$47</td>
<td>$35</td>
<td>$47</td>
<td>$57</td>
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**Revenue** ($1,000's)

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<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<tr>
<td>Private Contributions</td>
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<td>$79</td>
<td>$47</td>
<td>$35</td>
<td>$47</td>
<td>$57</td>
<td>$349</td>
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**Project Duration**

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<tr>
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<th>Start Date: 01/01/2009</th>
<th>End Date: 12/31/2010</th>
</tr>
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<tbody>
<tr>
<td><strong>Labor Hours:</strong></td>
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<td><strong>Public Involvement:</strong> Not Applicable</td>
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</tbody>
</table>
North Fire Station Repairs

Project Manager: M. Olson
Proposed ID: mo6
Total Exp (thousands): $473

Project Description:
Projects include interior painting, kitchen remodel including kitchen cabinetry, counter tops, and appliances, upgrade of the building generator, replacement of carpet, and work on the fuel station fixtures.

Business Need:
To keep the building functional for its users. The fuel stations provide fuel for all of the City departments as well as Fire.

Existing Conditions:
The Kitchen cabinetry is worn and unfunctional in many areas. Counter tops are coming apart and need to be replaced. New energy efficient fixtures will be used in the kitchen. The generator is old and past its life expectancy. The new generator will be more fuel efficient. The fuel station fixtures are rusty and need to be repainted to prolong their life.


<table>
<thead>
<tr>
<th>Expenditure</th>
<th>($1,000's)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Repairs</td>
<td></td>
<td>$31</td>
<td>$90</td>
<td>$93</td>
<td>$22</td>
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<td>$113</td>
<td>$35</td>
<td>$24</td>
<td>$98</td>
<td>$94</td>
<td>$473</td>
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<th>($1,000's)</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>REET 1</td>
<td></td>
<td>$40</td>
<td>$109</td>
<td>$113</td>
<td>$35</td>
<td>$24</td>
<td>$98</td>
<td>$94</td>
<td>$473</td>
</tr>
</tbody>
</table>

Project Duration
Staff Responsible: Marcy Olson
Start Date: 01/01/2007
End Date: 12/31/2010
Labor Hours: 800
Public Involvement: Not Applicable
South Fire Station Repairs

Project Manager: M. Olson  
Proposed ID: MO3  
Total Exp (thousands): $191

Project Description: Electrical upgrades including alarm alert strobes, proper hookups for the apparatus and the installation of a generator exercisor. Replacement of the front door.

Business Need: The alert strobes are a mandatory part of the alarm function. Fire trucks need the proper hookups to assure that they are ready in an emergency.

Existing Conditions: A new radio system has been installed for dispatching of calls. It is a shared system with other jurisdictions. The strobes are needed to replace the old alert system that does not work with the new dispatch system. Truck hookups used to keep the trucks charged are not up to current code.


<table>
<thead>
<tr>
<th>Expenditure</th>
<th>($1,000's)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
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<tr>
<td>Project Management</td>
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<tr>
<td>Total</td>
<td>$36</td>
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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Description</td>
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<tr>
<td>REET 1</td>
<td>$36</td>
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<table>
<thead>
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<th>Project Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Responsible: Marcy Olson</td>
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<tr>
<td>Start Date: 01/01/2007</td>
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<td>End Date: 12/31/2010</td>
</tr>
<tr>
<td>Labor Hours: 280</td>
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<tr>
<td>Public Involvement: Not Applicable</td>
</tr>
</tbody>
</table>
Luther Burbank Admin Building Repairs

Project Manager: M. Olson  Proposed ID: MO7  Total Exp (thousands): $287

Project Description: Projects include interior paint, and intercom system to allow interoffice communication and communication with clients after hours, lighting upgrades to more energy efficient fixtures, and office soundproofing for client confidentiality.

Business Need: To provide a safer environment for building users, make further progress towards energy conservation and prolong the life of the building.

Existing Conditions: The interior needs paint. There are several high energy use light fixtures that need to be replaced with more efficient fixtures. Counselors need a way to communicate with clients after hours when the main building is closed. The Counseling offices also need soundproofing for confidentiality.


<table>
<thead>
<tr>
<th>Expenditure</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
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<td>$37</td>
<td>$42</td>
<td>$25</td>
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<td>$11</td>
<td>$11</td>
<td>$11</td>
<td>$11</td>
<td>$64</td>
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<tr>
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<td>$48</td>
<td>$53</td>
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<td>$53</td>
<td>$54</td>
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<table>
<thead>
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<th>Revenue ($1,000's)</th>
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<tr>
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<tbody>
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<td>Staff Responsible: Marcy Olson</td>
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<tr>
<td>Start Date: 01/01/2007</td>
</tr>
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</tr>
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</table>
Community Center at Mercer View

Project Manager: M. Olson
Proposed ID: mo5
Total Exp (thousands): $312

Project Description: Interior paint, HVAC repairs, outside lighting repairs, gym and dance floor refinishing, tenant improvements in the Annex.

Business Need: To make the facility safe and comfortable for the users and to prolong the life of the building.

Existing Conditions: Repainting is needed in many areas. HVAC motors in the fan coil units need rebuilding. Outside bollards and pendant lights are broken and need replacing or refurbishing. Heating and lighting improvements are needed in the Annex.


<table>
<thead>
<tr>
<th>Expenditure</th>
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<th>2008</th>
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Project Duration
Staff Responsible: Marcy Olson
Start Date: 01/01/2009
End Date: 12/31/2010
Labor Hours: 350
Public Involvement: Not Applicable
Emergency Preparedness Projects


**Project Description:**
Upgrades/enhancements to existing communications and shelter infrastructure and the purchase of additional communications equipment for Emergency Operations Center (EOC), Community Center at Mercer View (CCMV), and back up shelter location (Island Park Elem).

**Business Need:**
Provide adequate supplies at back up shelter. Provide emergency fuel to city vehicles. Improve island wide communication.

**Existing Conditions:**
The Mercer Island Radio Operators (MIRO) group recently upgraded their system and installed the Winlink system. There are many upgrades which will further enhance emergency communication abilities on the island.

**Prior Council Review:**
2007 - 2008 Budget

### Expenditure ($1,000's)

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### Project Duration

| Staff Responsible: | L Burns | Start Date: | 01/01/2009 | End Date: | 12/31/2014 |

**Public Involvement:** Not Applicable
### Permitting System Replacement

**Project Manager:** M. Kaser  
**Proposed ID:** MK08-12  
**Total Exp (thousands):** $150

**Project Description:** To implement permitting system chosen by eGov Alliance

**Business Need:** To continue to streamline permitting, DSG business practices, and integrate with regional eGov Alliance initiatives for Mercer Island and regional constituents.

**Existing Conditions:** Existing permitting system is not the standard system used by the eGov alliance whose initiative on permitting and inspections has selected and procured a standard system for better integration among regional cities to deliver development services.

**Prior Council Review:** None

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| Staff Responsible: M Kaser  
| Start Date: 01/01/2011  
| End Date: 12/31/2011  
| Labor Hours: 160  
| Public Involvement: Not Applicable

---

**City of Mercer Island Development Services Group**

**Permission System**

![Map of Mercer Island](image)
### Maintenance Management System Refresh

**Project Manager:** M. Kaser  
**Proposed ID:** MK08-12  
**Total Exp (thousands):** $200

<table>
<thead>
<tr>
<th>Project Description:</th>
<th>Refresh existing or procure a new maintenance management system.</th>
</tr>
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**Business Need:** Maintenance of City assets in compliance with legal requirements and City policies requires a sophisticated system to track work orders and analyze maintenance activities for future preventative planning.

**Existing Conditions:** The current system is over ten years old and requires a refresh or replacement to take advantage of new and existing technologies such as GIS to improve planning, risk management, maintenance activities, and analysis of City assets.

**Prior Council Review:** None

### Expenditure ($1,000's)

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<th>Description</th>
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### Project Duration

- **Staff Responsible:** M Kaser  
- **Start Date:** 01/01/2011  
- **End Date:** 12/31/2012

**Labor Hours:** 160  
**Public Involvement:** Not Applicable

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City of Mercer Island 2009 - 2010 Biennium Budget
**Time and Labor Tracking System**

**Project Manager:** M. Kaser  
**Proposed ID:** MK08-13  
**Total Exp (thousands):** $85

**Project Description:** Procure and implement a time and labor tracking system that unifies all department practices and integrates with the City financial and payroll systems.

**Business Need:** Time and labor tracking is a basic function of any business. Accurately and efficiently track labor hours for payroll as well as financial planning purposes.

**Existing Conditions:** Currently City departments have different and sometimes multiple manual method of tracking time and labor hours. This creates inefficiencies, inaccuracies, and duplicative efforts by department personnel as well as Payroll and Finance.

**Prior Council Review:** None

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### Expenditure ($1,000's)

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<th>Description</th>
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### Revenue ($1,000's)

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### Project Duration

**Staff Responsible:** M Kaser  
**Start Date:** 01/01/2011  
**End Date:** 12/31/2011

**Labor Hours:** 160  
**Public Involvement:** Not Applicable
Police Data Closet

Project Manager: M. Kaser  Proposed ID: MK08-6  Total Exp (thousands): $25

Project Description: Construct a professionally designed data closet to store and secure sensitive police server and network equipment.

Business Need: The Police Dept data closet needs to be updated to normal data room standards and to comply with federal requirements in securing areas with access to federal information systems such as the FBI's Criminal Justice Information System.

Existing Conditions: The existing data closet is in violation of federal requirements. It has no physical security and is less than one foot deep housing only one network switch. As a result Police systems are stored with other non sensitive City systems in the City's primary Server Room.

Prior Council Review: None

<table>
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| Project Duration        | Staff Responsible: M. Kaser  Start Date: 01/01/2009  End Date: 12/31/2009  Labor Hours: 40  Public Involvement: Not Applicable |

AB 4327  Exhibit 4  Page 68
EOC Incident Management Enhancements

**Project Manager:** M. Kaser  
**Proposed ID:** MK08-4  
**Total Exp (thousands):** $17

**Project Description:** Develop a new Emergency Operations Center (EOC) Incident Tracking System for collecting data from citizens and staff during and emergency.

**Business Need:** A single unified database, which would be used to track all calls for service which are of a non-emergency nature, but nonetheless, require a response.

**Existing Conditions:** Currently an Excel spreadsheet is used to collect data during EOC operation, which does not tie to the City’s GIS system. Mapping is critical during emergency response.

**Prior Council Review:** None

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### Expenditure ($1,000's)

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### Project Duration

**Staff Responsible:** M. Kaser  
**Start Date:** 01/01/2009  
**End Date:** 12/31/2014

**Labor Hours:** 20  
**Public Involvement:** As Needed
Public Safety Scheduling

Project Manager: M. Kaser  Proposed ID: MK08-5  Total Exp (thousands): $32

Project Description:
Purchase and implement a scheduling solution tailored to the unique and challenging business requirements of public safety.

Business Need:
Police and Fire need to fulfill mandatory shift requirements, scheduling, reporting, and tracking of shift trading and other practices.

Existing Conditions:
Currently the City does not have a software scheduling tool that meets the unique and challenging scheduling required by public safety personnel.

Prior Council Review: None

Expenditure ($1,000’s)

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Revenue ($1,000's)

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Project Duration

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<tr>
<td>Start Date: 01/01/2009</td>
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<tr>
<td>End Date: 12/31/2009</td>
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</table>

Labor Hours:  40

Public Involvement: Not Applicable
Fiber Installation

**Project Manager:** M. Kaser  
**Proposed ID:** MK08-7  
**Total Exp (thousands):** $120

**Project Description:** Extend existing City fiber from SE 40th St and 86th Ave SE to SE 68th St in preparation to connect City facilities including Fire Station 92 and City Telemetry sites.

**Business Need:** Eliminate high cost of leased circuits connecting City facilities such as telemetry sites and Fire Station 92.

**Existing Conditions:** The City pays over 30K per year on circuits connecting telemetry and Fire Station 92 to equipment located at City Hall.

**Prior Council Review:** None

### Expenditure ($1,000's)

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<tr>
<th>Description</th>
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<th>2010</th>
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### Project Duration

**Staff Responsible:** M Kaser  
**Start Date:** 01/01/2010  
**End Date:** 12/31/2012  
**Labor Hours:** 40  
**Public Involvement:** Not Applicable
City Information via Web Based GIS

Project Manager: M. Kaser
Proposed ID: MK08-8
Total Exp (thousands): $120

Project Description: Install hardware and software that will allow the public to access the City’s Geographic Information System (GIS) data via a feature rich, user friendly, web site.

Business Need: To provide city data to the public in a way that is user friendly and requires minimal staff time to maintain via tools such as a map.

Existing Conditions: Currently citizens or other private entities that require City data must travel to the City and utilize staff time and effort to retrieve data.

Prior Council Review: None

<table>
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<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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<tbody>
<tr>
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Project Duration
Staff Responsible: M. Kaser
Start Date: 01/01/2009
End Date: 12/31/2014
Labor Hours: 120
Public Involvement: Not Applicable
CIP Database Enhancements

Project Manager: M. Kaser
Proposed ID: fl801
Total Exp (thousands): $80

Project Description: Expand the newly updated Capital Improvement Plan (CIP) budget document tool to add additional project management functionality and system integration. Enhance reporting, accuracy, and process alignment amongst CIP project managers as well as reduce redundant information dissemination to the public and contractors.

Business Need: The ability to manage the City's capital improvement program within a standard application amongst project managers is needed to simplify reporting and align business practices.

Existing Conditions: Project Managers use a variety of different tools to manage projects that are not integrated with other City systems. Information is not easily accessible by the public, Finance, and City Management.

Prior Council Review: None

Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tr>
<td>Technology &amp; Equipment Acquisition</td>
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<td>$40</td>
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Revenue ($1,000's)

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<th>2010</th>
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<tbody>
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<td>$15</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$80</td>
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</table>

Project Duration

- Staff Responsible: M Kaser
- Start Date: 01/01/2009
- End Date: 12/31/2011
- Labor Hours: 20
- Public Involvement: Not Applicable
Social Services Case Management

Project Manager: M. Kaser
Proposed ID: MK08-14
Total Exp (thousands): $29

Project Description: Procure and implement a social services case management system.

Business Need: To track client activity and progress in a single place among Youth and Family Services staff.

Existing Conditions: Counselors and administration in YFS track client activity in multiple places and in different ways, some manual, which prevents YFS from comprehensive client activities management.

Prior Council Review: None

<table>
<thead>
<tr>
<th>Expenditure ($1,000's)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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<tbody>
<tr>
<td>Technology &amp; Equipment Acquisition</td>
<td>$0</td>
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<td>$29</td>
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<th>2009</th>
<th>2010</th>
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<tbody>
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Project Duration
Staff Responsible: M Kaser
Start Date: 01/01/2010
End Date: 12/31/2010
Labor Hours: 20
Public Involvement: Not Applicable
Document Management

Project Manager: M. Kaser  Proposed ID: MK08-2  Total Exp (thousands): $185

Project Description: An automated system would enable staff to capture, search, present and archive the City's large collection of documents. Public documents would be made available to staff and the public via a powerful search engine.

Business Need: To move from pilot to full implementation of purchased document management solution.

Existing Conditions: The City purchased a solution and tested with the City Clerk and Planning Team within Development Services. The City now needs to implement workflow design and paper process elimination as well as deploy to other functional areas of the City.


Expenditure  ($1,000's)
Description  2008  2009  2010  2011  2012  2013  2014  Total
Project Management $0 $57 $73 $0 $0 $0 $0 $130
Technology & Equipment Acquisition $70 $55 $0 $0 $0 $0 $0 $55
Total $70 $112 $73 $0 $0 $0 $0 $185

Revenue  ($1,000's)
Description  2008  2009  2010  2011  2012  2013  2014  Total
General Fund $70 $112 $43 $0 $0 $0 $0 $155
Grant $0 $0 $30 $0 $0 $0 $0 $30

Project Duration
Staff Responsible: M. Kaser  Start Date: 01/01/2008  End Date: 12/31/2010
Labor Hours: 300  Public Involvement: Not Applicable
# General Sewer System Improvements

**Project Manager:** T. Smith  
**Proposed ID:** TJS02  
**Total Exp (thousands):** $1,560

## Project Description:
Add manholes or cleanouts to existing unaccessible sewer mains to provide for cleaning and inspection. Repair or replace existing lines and manholes as needed.

## Business Need:
Continued reliable and cost-effective sewer system operation.

## Existing Conditions:
Many components of the sewer system are aging and failures occur periodically.

## Prior Council Review:
2007 - 2008 Budget

## Expenditure ($1,000's)

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<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
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<tbody>
<tr>
<td>Construction</td>
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<td>$145</td>
<td>$228</td>
<td>$228</td>
<td>$311</td>
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<td>$7</td>
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<td>$150</td>
<td>$260</td>
<td>$260</td>
<td>$370</td>
<td>$370</td>
<td>$1,560</td>
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## Revenue ($1,000's)

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<th>2010</th>
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<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Utilities - Sewer</td>
<td>$272</td>
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<td>$150</td>
<td>$260</td>
<td>$260</td>
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<td>$370</td>
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## Project Duration

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<th>12/31/2010</th>
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<tbody>
<tr>
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</table>

**Public Involvement:** As Needed
Sewer System Emergency Repairs

| Project Manager: | T. Smith | Proposed ID: | ATH05 | Total Exp (thousands): | $300 |

**Project Description:** Repair or replace sewer system infrastructure on an emergency basis.

**Business Need:** This project is necessary for continuing reliable and cost-effective sewer system operation.

**Existing Conditions:** With an aging sewer infrastructure emergency response is inevitable to administer repairs to failing sewer system components.

**Prior Council Review:** 2007 - 2008 Budget

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
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<td>$50</td>
<td>$50</td>
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### Revenue ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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<tbody>
<tr>
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<td>$0</td>
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**Project Duration**

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<tbody>
<tr>
<td><strong>Labor Hours:</strong></td>
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<td><strong>Public Involvement:</strong> As Needed</td>
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</tbody>
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Sanitary Sewer System Telemetry

Project Manager: T. Smith  Proposed ID: TJS01  Total Exp (thousands): $450

Project Description: Replace and upgrade equipment and software that provides monitoring and control of the sanitary sewer pump stations.

Business Need: An effective telemetry system is necessary for efficient sewer pumping without impacting public health or water quality.

Existing Conditions: The telemetry system for sewage pump stations is outdated, deteriorating, and does not meet minimum reliability requirements.


<table>
<thead>
<tr>
<th>Expenditure</th>
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<tbody>
<tr>
<td>Description</td>
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<tr>
<td>2008</td>
</tr>
<tr>
<td>Utilities - Sewer</td>
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</table>

Project Duration
Staff Responsible: Terry Smith  Start Date: 01/02/2009  End Date: 12/31/2010
Labor Hours: 50  Public Involvement: Not Applicable
Sewer Lake Line Replacement Construction

Project Manager: A. Tonella-Howe  Proposed ID: ATH01  Total Exp (thousands): 25,344

Project Description: Replace sections of Sewer Lake Line located just off the shoreline in Reach 3 (SE 32nd Street to Roanoke Way) and replace Pump Station 4.

Business Need: The existing lake line is critical to maintaining reliable sewer system service to upland residents.

Existing Conditions: This section of sewer line was constructed in the mid-1950's in Lake Washington along the near-shore area at the north end of the Island. The pipe is deteriorating and is subject to leaks and breaks.


Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<tbody>
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<td>$23,682</td>
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<td>$0</td>
<td>$0</td>
<td>$25,344</td>
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Revenue ($1,000's)

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<th>2011</th>
<th>2012</th>
<th>2013</th>
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<td>$0</td>
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Project Duration

Staff Responsible: A. Tonella-Howe  Start Date: 06/02/2008  End Date: 12/30/2010

Labor Hours: 1,600  Public Involvement: Combination
Sewer System Generator Replacement

Project Manager: T. Smith  Proposed ID: ATH02  Total Exp (thousands): $360

Project Description: Continue the annual replacement of sewer pump station generators that provide emergency power.

Business Need: An effective sewer system is necessary for continuing reliable and cost-effective sewer system operations.

Existing Conditions: The generators are outdated and past the end of their useful life. They do not meet minimum reliability requirements.


<table>
<thead>
<tr>
<th>Expenditure ($1,000's)</th>
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<th>2009</th>
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<td>$70</td>
<td>$0</td>
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<td>$0</td>
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Revenue ($1,000's)

<table>
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<th>2010</th>
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<tr>
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<td>$0</td>
<td>$70</td>
<td>$0</td>
<td>$140</td>
<td>$0</td>
<td>$150</td>
<td>$360</td>
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Project Duration

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<tr>
<td>Labor Hours:</td>
<td>50</td>
<td>Public Involvement:</td>
<td>As Needed</td>
</tr>
</tbody>
</table>

AB 4327  Exhibit 4  Page 80
Sewer System Pump Station Repairs


Project Description: Ongoing capital repairs to sewer pump stations

Business Need: This project is necessary for continuing reliable and cost-effective sewer system operation.

Existing Conditions: The aging pump stations are in need of capital repair that can no longer be deferred.


<table>
<thead>
<tr>
<th>Expenditure</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tbody>
<tr>
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<td>$55</td>
<td>$55</td>
<td>$60</td>
<td>$60</td>
<td>$330</td>
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Revenue ($1,000's)

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<th>2011</th>
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<th>2013</th>
<th>2014</th>
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<tbody>
<tr>
<td>Utilities - Sewer</td>
<td>$0</td>
<td>$50</td>
<td>$50</td>
<td>$55</td>
<td>$55</td>
<td>$60</td>
<td>$60</td>
<td>$330</td>
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Project Duration

Staff Responsible: Sewer Team  Start Date: 01/05/2009  End Date: 12/30/2010

Labor Hours: 50  Public Involvement: As Needed
Neighborhood Drainage Improvements

<table>
<thead>
<tr>
<th>Project Manager:</th>
<th>C. Morris</th>
<th>Proposed ID:</th>
<th>PY09-04</th>
<th>Total Exp (thousands):</th>
<th>$420</th>
</tr>
</thead>
</table>

**Project Description:**
This annual program makes improvements to the public stormwater system that correct neighborhood drainage problems and complement future street projects.

**Expenditure** ($1,000's)

<table>
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<th>Description</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
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<td>$70</td>
<td>$70</td>
<td>$80</td>
<td>$80</td>
<td>$420</td>
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**Revenue** ($1,000's)

<table>
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<tr>
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<th>2010</th>
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<td>$80</td>
<td>$420</td>
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**Project Duration**

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<th>Start Date:</th>
<th>01/01/2009</th>
<th>End Date:</th>
<th>12/31/2010</th>
</tr>
</thead>
</table>

**Labor Hours:** 485

**Public Involvement:** Combination

**Business Need:**
An effective stormwater system is essential to prevent property and infrastructure damage and protect water quality in Lake Washington.

**Existing Conditions:**
Deficiencies develop in the public stormwater system due to a variety of factors, including increased demand on the system and failure of older components of the system.

**Prior Council Review:** Comp. Basin Review; 2007 - 2008 Budget
Sub-Basin 26 Phase 2

Project Manager: F. Gu
Proposed ID: FG01
Total Exp (thousands): $1,320

Project Description: Channel and bank stabilization in the Sub-Basin 26 ravine between West Mercer Way and Island Crest Way. Phase one was completed in 2005 west of West Mercer Way.

Business Need: Protecting Lake Washington from siltation and other water quality issues and safely conveying stormwater to the Lake is a primary responsibility of the Storm and Surface Water Utility.

Existing Conditions: Moderate to severe channel downcutting and streambank erosion is occurring in the section of Sub-Basin 26 between West Mercer Way and Island Crest Way.


Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tbody>
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Revenue ($1,000's)

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<th>2010</th>
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<th>2012</th>
<th>2013</th>
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<tbody>
<tr>
<td>Utilities - Storm Drainage</td>
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<td>$0</td>
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</table>

Project Duration

Staff Responsible: Fred Gu
Start Date: 09/01/2008
End Date: 09/30/2010
Labor Hours: 1,830
Public Involvement: As Needed
Storm Water System Replacements

Project Manager: F. Gu  Proposed ID: PY09-03  Total Exp (thousands): $1,089

Project Description: Replacement of aging small to medium size conveyance systems and small basin improvements. Projects for 2009-2010 include: Watercourse/conveyance system condition assessments; Mercer Way culvert replacement; Pipe replacement btw 8010 and 8020 SE 65th St. (D29.2); Culvert replacement near 7625 WMW (D32a.2) Calkin's landing pipe replacement; and miscellaneous small improvements.

Business Need: Protecting Lake Washington from siltation and other water quality problems, and safely conveying stormwater to the Lake is a primary responsibility of the City's Storm and Surface Water Utility.

Existing Conditions: Many of the Island's basins have watercourses causing downcutting/erosion in various locations, and conveyance systems that are aging and in need of replacement.


<table>
<thead>
<tr>
<th>Expenditure ($1,000's)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
</tr>
<tr>
<td>Construction</td>
</tr>
<tr>
<td>Design Services</td>
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<table>
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<tr>
<th>Revenue ($1,000's)</th>
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</thead>
<tbody>
<tr>
<td>Description</td>
</tr>
<tr>
<td>Utilities - Storm Drainage</td>
</tr>
</tbody>
</table>

Project Duration

Staff Responsible: Fred Gu  Start Date: 01/01/2009  End Date: 12/31/2010

Labor Hours: 1,660  Public Involvement: Combination
Conveyance System Improvements (2011-2014)

Project Manager: P. Yamashita  Proposed ID: PY09-06  Total Exp (thousands): $757

Project Description: Replacement of aging and poorly functioning medium to large size conveyance systems.

Business Need: Maintaining proper operation of the drainage system and protecting Lake Washington from siltation and other water quality issues and safely conveying stormwater to the Lake are primary responsibilities of the Storm Water Utility.

Existing Conditions: Several of the Storm and Surface Water Utilities drainage systems are aging and in need of replacement.


<table>
<thead>
<tr>
<th>Expenditure ($1,000's)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
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<th>Revenue ($1,000's)</th>
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<th>2011</th>
<th>2012</th>
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<td>$0</td>
<td>$45</td>
<td>$442</td>
<td>$270</td>
<td>$757</td>
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</table>

Project Duration
Staff Responsible: P. Yamashita  Start Date: 01/01/2012  End Date: 12/31/2014
Labor Hours: 0  Public Involvement: As Needed
Storm Water Basin Improvements (2011-2014)

| Project Manager: | P. Yamashita | Proposed ID: | PY09-04 | Total Exp (thousands): | $2,211 |

Project Description: Stabilization and protection of eroded ravine watercourses. Projects include: Sub-Basin 6.3; Sub-Basin 23a.2; Sub-Basin 49b.4; Sub-Basin 46a.3 Phase 2; Sub Basin 42.1

Business Need: Protecting Lake Washington from siltation and other water quality issues and safely conveying stormwater to the Lake is a primary responsibility of the Storm Water Utility.

Existing Conditions: Many of the Island's basins have high flowing watercourses causing downcutting/erosion in various locations.


Expenditure ($1,000's)

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</thead>
<tbody>
<tr>
<td>Construction</td>
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<td>$0</td>
<td>$160</td>
<td>$1,254</td>
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<td>$160</td>
<td>$1,254</td>
<td>$228</td>
<td>$569</td>
<td>$2,211</td>
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Revenue ($1,000's)

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<th>Description</th>
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<th>2010</th>
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<th>Total</th>
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<tbody>
<tr>
<td>Utilities - Storm Drainage</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$160</td>
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<td>$228</td>
<td>$569</td>
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Project Duration

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</tr>
<tr>
<td>Public Involvement:</td>
<td>As Needed</td>
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</table>
Low Impact Development Demonstration Project

Project Manager: P. Yamashita
Proposed ID: PY09-05
Total Exp (thousands): $800

Project Description: Redesign of City Hall landscapes and parking areas to demonstrate low impact development techniques that can be used by residents to treat and manage their stormwater runoff in an environmentally friendly manner. The project will demonstrate that improving environmental quality goes hand in hand with creating liveable spaces.

Business Need: The City Council supports sustainable efforts to meet the needs of the present while preserving the ability of future generations to meet their own needs. Sustainable efforts in stormwater management will reduce adverse impacts on water quality in streams and Lake Washington.

Existing Conditions: Many of the Island's basins have watercourses experiencing downcutting/erosion in various locations, and problems with water quality from stormwater runoff.

Prior Council Review: None

<table>
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<tr>
<th>Expenditure</th>
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<tbody>
<tr>
<td>Description</td>
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<td>Project Management</td>
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<tr>
<td>Total</td>
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<table>
<thead>
<tr>
<th>Revenue  ($1,000's)</th>
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</thead>
<tbody>
<tr>
<td>Description</td>
</tr>
<tr>
<td>Grant</td>
</tr>
<tr>
<td>Utilities - Storm Drainage</td>
</tr>
</tbody>
</table>

Project Duration
Staff Responsible: P. Yamashita
Start Date: 01/01/2009
End Date: 10/31/2010
Public Involvement: Other Outreach

Labor Hours: 1,100
Water Model Updates / Fire Flow Analysis

Project Manager: R. Lin
Proposed ID: RLIN06
Total Exp (thousands): $65

Project Description: Update the computerized model of the water system every two years to incorporate improvements and changes to the water system through the completion of capital improvement projects, private development and maintenance activities.

Business Need: Maintaining current information in the water model is essential for water system planning and fire flow analysis.

Existing Conditions: The water model becomes out of date if not updated regularly as improvements and changes are made to the water system.


Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
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<th>2013</th>
<th>2014</th>
<th>Total</th>
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<tbody>
<tr>
<td>Design Services</td>
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<td>$0</td>
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<td>$4</td>
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Revenue ($1,000's)

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<th>2010</th>
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<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utilities - Water</td>
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<td>$0</td>
<td>$25</td>
<td>$0</td>
<td>$15</td>
<td>$0</td>
<td>$25</td>
<td>$65</td>
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Project Duration

<table>
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<th>Rona Lin</th>
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<tbody>
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<td>Start Date:</td>
<td>01/01/2010</td>
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<tr>
<td>End Date:</td>
<td>12/31/2014</td>
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</tbody>
</table>

Labor Hours: 50
Public Involvement: Not Applicable
Hydrants and Other Water System Components

Project Manager: R. Lin  Proposed ID: RLIN04  Total Exp (thousands): $360

Project Description: Components of the water system including hydrants, air-vacuum release valves, blow-offs, in-line valves, and pressure reducing valves are to be replaced or installed under this annual program.

Business Need: A systematic, annual improvement program is necessary to ensure all components of the water system are functioning properly and effectively.

Existing Conditions: Undersized hydrants, valves and blow-offs are in need of replacement. All components of the distribution system will eventually fail if not replaced.


Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
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<td>$50</td>
<td>$55</td>
<td>$55</td>
<td>$60</td>
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<td>$5</td>
<td>$5</td>
<td>$5</td>
<td>$30</td>
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<tr>
<td><strong>Total</strong></td>
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<td>$55</td>
<td>$55</td>
<td>$60</td>
<td>$60</td>
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Revenue ($1,000's)

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<th>Description</th>
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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utilities - Water</td>
<td>$73</td>
<td>$55</td>
<td>$55</td>
<td>$60</td>
<td>$60</td>
<td>$65</td>
<td>$65</td>
<td>$360</td>
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Project Duration

Staff Responsible: R. Lin  Start Date: 01/01/2009  End Date: 12/31/2014

Labor Hours: 0  Public Involvement: As Needed
Water System Plan Update

Project Manager: R. Lin  Proposed ID: RLIN07  Total Exp (thousands): $160

Project Description: Update of the Water System Plan in 2014. Tasks include re-examining policies, criteria, and water use data since the last Plan update in 2008. Provide plans and strategies to prepare the water system to handle the Island's future water demands.

Business Need: Update the Water System Plan in accordance with WAC-246-490.

Existing Conditions: The current plan will expire in December 2014. An updated plan must be submitted to the Washington Dept of Health by December 2014 for review and approval.


Expenditure  ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Design Services</td>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
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<td>$0</td>
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Revenue  ($1,000's)

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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<tbody>
<tr>
<td>Utilities - Water</td>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$160</td>
<td>$160</td>
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Project Duration

<table>
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<tr>
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<tbody>
<tr>
<td>Start Date</td>
<td>01/06/2014</td>
</tr>
<tr>
<td>End Date</td>
<td>12/31/2014</td>
</tr>
</tbody>
</table>

Labor Hours: 0  Public Involvement: As Needed
First Hill Water System Improvements

Project Manager: R. Lin  Proposed ID: RLIN08  Total Exp (thousands): $2,003

Project Description: Re-configure the First Hill pressure zone by upsizing the 4-inch water mains and making connection changes with the water mains served by the reservoir pressure zone.

Business Need: Providing sufficient fire flow and upgrading undersized water mains are two of the highest priorities of the Water Utility’s ongoing replacement program. Investment in these improvements will ensure a safe and cost effective water distribution system.

Existing Conditions: Water mains and undersized and flows are insufficient.


Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
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Revenue ($1,000's)

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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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<tbody>
<tr>
<td>Utilities - Water</td>
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<td>$756</td>
<td>$947</td>
<td>$0</td>
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<td>$2,003</td>
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Project Duration

Staff Responsible: Rona Lin  Start Date: 09/14/2009  End Date: 06/30/2012

Labor Hours: 500  Public Involvement: As Needed
First Hill Booster Pump Station Upgrade

| Project Manager: | R. Lin | Proposed ID: | RLIN01 | Total Exp (thousands): | $275 |

Project Description: Replace existing pumps with a set of pumps that can be operated in various combinations to accommodate a range of flows.

Business Need: Upgrade the existing pump station to ensure efficient water delivery and fire protection for the First Hill neighborhood after water main improvements are made in 2010 and 2011.

Existing Conditions: Existing pumps need to be replaced to better accommodate the range of flows required to serve the First Hill neighborhood. An increase in pump capacity will be needed in conjunction with the water main improvements scheduled for 2010 and 2011.


### Expenditure ($1,000's)

<table>
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<tbody>
<tr>
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<td>$245</td>
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### Revenue ($1,000's)

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<th>2013</th>
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### Project Duration

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 Compound Meter Replacement

Project Manager: R. Lin  Proposed ID: RLIN02  Total Exp (thousands): $150

Project Description: Replace outdated and malfunctioning compound water meters systematically throughout the Island within next 6 years.

Business Need: A systematic, annual replacement program is necessary to ensure accuracy and accountability of water usage for compound meter customers.

Existing Conditions: Existing meters are outdated and malfunctioning, contributing to high, unaccountable water loss and lost revenue.

Prior Council Review: None

<table>
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<tr>
<th>Expenditure  ($)</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
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Project Duration
Staff Responsible: Rona Lin  Start Date: 01/01/2009  End Date: 12/31/2014
Labor Hours: 60  Public Involvement: As Needed
Reservoir Master Meter Replacement

Project Manager: R. Lin
Proposed ID: RLIN03
Total Exp (thousands): $50

Project Description: Replace the five master meters at the City's Reservoir.

Business Need: The five master meters at the reservoir are aging and due for replacement.

Existing Conditions: Existing meters are outdated and malfunctioning, contributing to high, unaccountable water loss and lost revenue.

Prior Council Review: None

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Project Duration
Staff Responsible: Rona Lin
Start Date: 01/01/2009
End Date: 12/31/2009
Labor Hours: 30
Public Involvement: Not Applicable
88th Ave. SE Water System Improvements

Project Manager: R. Lin  Proposed ID: RLIN11  Total Exp (thousands):  $271

Project Description: Replace the 2-inch PVC water main with an 8-inch ductile iron (DI) water main including fire hydrants, valves and water services.

Business Need: Improving the water system is necessary to ensure cost-effective distribution of drinking water and adequate fire protection for the neighborhood.

Existing Conditions: This existing 2-inch line, currently functioning as a water main, is undersized and inadequate to provide water service and fire protection to the eleven homes connected to it.


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Project Duration
Staff Responsible: R Lin  Start Date: 01/01/2013  End Date: 12/31/2013
Labor Hours: 0  Public Involvement: As Needed

City of Mercer Island 2009 - 2010 Biennium Budget

95
Sandy Cove Water System Improvements

Project Manager: R. Lin  Proposed ID: RLIN13  Total Exp (thousands): $344

Project Description:
Replace the 2-inch and 4-inch steel water mains with an 8-inch ductile iron (DI) water mains including fire hydrants, valves and water services.

Business Need:
Investment in these improvements will provide a safe and cost effective water distribution system.

Existing Conditions:
These undersized water mains have experienced numerous breaks in recent years.

Prior Council Review:
2008 Draft Water System Plan (AB 4281)

Expenditure ($1,000's)

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Revenue ($1,000's)

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Project Duration

Staff Responsible: R Lin  Start Date: 01/01/2014  End Date: 12/31/2014

Labor Hours: 0  Public Involvement: As Needed
72nd Ave. SE Water System Improvements

**Project Manager:** R. Lin  
**Proposed ID:** RLIN05  
**Total Exp (thousands):** $835

**Project Description:** The existing 6-inch cast iron water main will be replaced with an 8-inch ductile iron water main. Fire hydrants and water services will be replaced as well.

**Business Need:** Improving the water system is necessary to ensure cost-effective distribution of the domestic water supply.

**Existing Conditions:** The existing main has experienced numerous breaks in recent years and is undersized to provide adequate service to the First Hill neighborhood.

**Prior Council Review:** None

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### Expenditure ($1,000's)

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### Project Duration

**Staff Responsible:** Rona Lin  
**Start Date:** 01/05/2009  
**End Date:** 05/29/2009  
**Labor Hours:** 350  
**Public Involvement:** As Needed
Island Crest Way Water System Improvements

**Project Manager:** R. Lin  
**Proposed ID:** RLIN10  
**Total Exp (thousands):** $805

**Project Description:** Replace the 6-inch asbestos cement (AC) water main with an 8-inch ductile iron (DI) water main including fire hydrants, valves and water services.

**Business Need:** Replacing AC water mains is among one of the top priorities of the Water Utility. It is cost effective to coordinate this improvement with the upcoming street paving project.

**Existing Conditions:** Replace aging pipe before the overlay of Island Crest Way is completed.

**Prior Council Review:** 2008 Draft Water System Plan

### Expenditure ($1,000's)

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City of Mercer Island 2009 - 2010 Biennium Budget
Pressure Reducing Valve Stations on E. Mercer Way

**Project Manager:** R. Lin

**Proposed ID:** RLIN12

**Total Exp (thousands):** $576

**Project Description:** Install pressure reducing valve (PRV) stations at three individual locations on East Mercer Way to provide adequate water pressure.

**Business Need:** Pressure Reducing Valve's will help prevent high water pressures and prevent damage to service lines and other water system components. Investment in these improvements will ensure a safe and cost effective water distribution system.

**Existing Conditions:** Currently there are no PRV's protecting these East Mercer Way neighborhoods from high water pressures.

**Prior Council Review:** None

### Expenditure ($1,000's)

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### Project Duration

- **Staff Responsible:** R Lin
- **Start Date:** 01/01/2014
- **End Date:** 12/31/2014
- **Labor Hours:** 0
- **Public Involvement:** As Needed
Mercerwood Dr./E. Mercer Way Looped Water Main

Project Manager: R. Lin  Proposed ID: RLIN14  Total Exp (thousands): $225

Project Description: Install a new 8-inch water main in replacing a segment of 4-inch water main which was abandoned during the construction of the Water System Improvements project in 2005.

Business Need: Improving the water system is necessary to ensure cost-effective distribution of domestic water supply.

Existing Conditions: This 4 inch Asbestos Cement (AC) main is aging and has experienced a few breaks in the past.


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### Open Space/Park Property Acquisitions

**Project Manager:** P. West  
**Proposed ID:** pdw02  
**Total Exp (thousands):** $600

**Project Description:** Evaluate and acquire new park and open space properties.

**Business Need:** Properties that meet current acquisition criteria may be secured through various means (City funds, grants, donations, loans, partnerships). Funding is needed to pursue potential acquisition options.

**Existing Conditions:** No funds are currently earmarked for potential property acquisition opportunities.

**Prior Council Review:** AB 3505 (6/19/00); 2007-2008 Budget

### Expenditure ($1,000's)

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### Project Duration

**Staff Responsible:** P. West  
**Start Date:** 01/01/2009  
**End Date:** 12/31/2014

**Labor Hours:** 60  
**Public Involvement:** As Needed
Luther Burbank Minor Park Improvements

Project Description: Repairs and minor improvements to Luther Burbank Park infrastructure, equipment and amenities consistent with the 2003 Luther Burbank Park Maintenance and Operations Levy.

Business Need: On a recurring basis equipment, facilities and amenities must be repaired or replaced as they reach the end of their useful lifecycle.

Existing Conditions: Roads, sports courts, turf areas, restrooms, off-leash area, facilities, parking lots, trails and shoreline have suffered from extended deferred maintenance. These areas need ongoing minor repairs.

Prior Council Review: AB 3796 (9/2/03); 2007-2008 Budget

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<th>2014</th>
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<tbody>
<tr>
<td>Staff Responsible</td>
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</table>
Luther Burbank Shoreline Restoration

**Project Manager:** M. Elde  
**Proposed ID:** CB07  
**Total Exp (thousands):** $150

**Project Description:** Remove non-native plant species, replant native vegetation, create access beaches for people and dogs, develop habitat areas and maintain trail opportunities. Stabilize the "soft" banks.

**Business Need:** Prevent further shoreline erosion, increase ecological value for salmon and bulltrout, improve and protect existing wetland, and improve recreational access to Lake Washington.

**Existing Conditions:** Uncontrolled public (people and pets) access and recreational boat generated waves have combined to degrade the shoreline. Eroding shoreline banks and invasive plants are dominating the riparian area.

**Prior Council Review:** AB 4031 (12/5/05), AB 4066 (3/6/06), AB 4079 (4/3/06), AB 4082 (4/12/06)

**Expenditure ($1,000's)**

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<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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**Revenue ($1,000's)**

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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<tbody>
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**Project Duration**

<table>
<thead>
<tr>
<th>Staff Responsible: Mike Elde</th>
<th>Start Date: 01/01/2008</th>
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<tbody>
<tr>
<td><strong>Labor Hours:</strong> 280</td>
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**Public Involvement:** Focus Group
Luther Burbank Major Improvements (non Levy)

**Project Manager:** M. Elde  
**Proposed ID:** ME041113  
**Total Exp (thousands):** $265

**Project Description:** Implement some master plan projects that are not included in the levy package.

**Business Need:** Aged elements in the park are used heavily throughout the year and need to be replaced or renovated, including an aged restroom building, amphitheater, waterfront area. Improvements needed are identified in the Luther Master Plan.

**Existing Conditions:** Building roof leaks, amphitheater needs a facelift and other amenities need to be replaced before they reach their useful lifecycle.

**Prior Council Review:** Master Plan Process - 2005

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
<tbody>
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**Total** $265 $265

### Revenue ($1,000's)

<table>
<thead>
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<th>Description</th>
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**Project Duration**

**Staff Responsible:** M. Elde  
**Start Date:** 01/01/2014  
**End Date:** 12/31/2014  
**Public Involvement:** As Needed  
**Labor Hours:** 0
### Fire Fleet Update

**Project Manager:** C. Tubbs  
**Proposed ID:** WWM-2  
**Total Exp (thousands):** $1,056

**Project Description:** Replacement of one maxi pumper (2012) and one rescue truck (2013).

**Business Need:** Fire trucks are a fundamental part of the Fire Department operations.

**Existing Conditions:** Mercer Island's current fire trucks are 22 years old. They are beyond the normal or expected life for this kind of equipment. The equipment is increasingly difficult to maintain.

**Prior Council Review:** Council Planning Sessions 2006 / 2007-2008 Budget

### Expenditure  ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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<td>$0</td>
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### Revenue ($1,000's)

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<th>Description</th>
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<th>2010</th>
<th>2011</th>
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<tbody>
<tr>
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<td>$0</td>
<td>$630</td>
<td>$426</td>
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<td>$1,056</td>
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**Project Duration**

- **Staff Responsible:** C. Tubbs  
- **Start Date:** 01/01/2012  
- **End Date:** 12/31/2013

**Labor Hours:** 0  
**Public Involvement:** As Needed
**Small Technology/Equipment Items**

**Project Manager:** R. Conrad  
**Proposed ID:** RC1  
**Total Exp (thousands):** $300

**Project Description:** Set aside funds for purchase of small items of office equipment and technology.

**Business Need:** Ability to respond to unanticipated needs for new technology components and small office equipment items.

**Existing Conditions:** Planned replacement of technology items and office equipment is budgeted in the CRP and operating budgets. From time to time, new products become available to improve staff efficiency.

**Prior Council Review:** 2007 - 2008 Budget

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tbody>
<tr>
<td>Technology &amp; Equipment Acquisition</td>
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<td>$50</td>
<td>$50</td>
<td>$50</td>
<td>$50</td>
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### Revenue ($1,000's)

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<th>2010</th>
<th>2011</th>
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<th>2013</th>
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<tbody>
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**Project Duration**

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<tbody>
<tr>
<td><strong>Labor Hours:</strong></td>
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<tr>
<td><strong>Public Involvement:</strong></td>
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</table>
Emergency Management Radio Amplifier

Project Manager: L. Burns
Proposed ID: Radio Antenna
Total Exp (thousands): $74

Project Description: Install a new radio amplifier on the roof of City Hall.

Business Need: Improve radio reception/transmission throughout the city hall building, including the emergency operations center (EOC) to improve communications during emergency response.

Existing Conditions: Poor radio reception and transmission in the city hall building, to include the police department and EOC.

Prior Council Review: None

Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
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<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<tbody>
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<td>$0</td>
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Revenue ($1,000's)

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<th>Description</th>
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<th>2010</th>
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<tbody>
<tr>
<td>General Fund</td>
<td>$0</td>
<td>$74</td>
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Project Duration

Staff Responsible: L. Burns
Start Date: 01/01/2009
End Date: 12/31/2009
Labor Hours: 0
Public Involvement: Not Applicable
## Emergency Water Supply Well

**Project Manager:** R. Lin  
**Proposed ID:** RVL04  
**Total Exp (thousands):** $1,000

### Project Description:
Design and construction of an Emergency Water Supply production well and its associated facility.

### Business Need:
An emergency water supply is essential to provide Island residents with a water source should the City's water supply be cut off for an extensive period of time.

### Existing Conditions:
During times of high demand or damage to the water system, the Island's current storage and distribution system may not be adequate to meet the challenges of a major disaster.

### Prior Council Review:
Update on Emergency Water Supply - AB 4294 (4/21/08)

### Expenditure ($1,000's)

<table>
<thead>
<tr>
<th>Description</th>
<th>2008</th>
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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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### Revenue ($1,000's)

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<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
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### Project Duration

- **Staff Responsible:** Rona Lin  
- **Start Date:** 01/01/2007  
- **End Date:** 12/31/2008

**Labor Hours:** 1,200

**Public Involvement:** As Needed