

City of Salem FY 2010-11 Environmental Action Plan City Operations

Category	Goals	Objectives	Actions
<p>Energy (Electricity and Natural Gas)</p> <p>Sponsoring Department(s): Information Technology and Facilities Services and Public Works</p>	<p>Reduce energy consumed by occupied building space in City facilities.</p>	<p>Reduce energy consumed by occupied building space in City facilities* by 15 percent by the end of FY 2011-12.</p> <p>* As measured by annual kWh or BTUs per square foot of heated space.</p>	<p>Finalize project development and begin implementation of heating efficiency projects for City Hall, Main Library, Liberty Parkade, Chemeketa Parkade, Building 2, and Building 14.</p> <ul style="list-style-type: none"> • HVAC commissioning at City Hall, Main Library, and Chemeketa Parkade, including installation of motors and fan controls at Chemeketa, have been completed. The City is currently proceeding with commissioning recommendations. The Liberty parkade, Building 2, and Building 14 projects will be reviewed as funding allows. All HVAC recommendations scheduled to be completed by summer 2012. • Installation of the new City Hall gas boiler began June 15, 2011, and is estimated for completion in mid Sept 2011. <p>Finalize project development and begin implementation of lighting efficiency projects for City Hall, Main Library, Liberty Parkade, Chemeketa Parkade, Building 2, and Building 14, with the addition of a large number of buildings at the shops complex.</p> <ul style="list-style-type: none"> • Completed City Hall and Main Library lighting projects using ARRA funding. Estimated combined annual kWh savings are approximately 687,678. Work on the West Salem Library and Shops Buildings 2, 14, and 30 began in the previous quarter and is schedule for completion by August 2011. <p>Use established baseline data to monitor energy use trends, and modify lights and HVAC systems on all levels of City Hall and the Main Public Library.</p> <ul style="list-style-type: none"> • Used established baseline and determined savings of 392,400 kWh for FY 2010-11 at City Hall and the Library. <p>Install energy monitoring equipment in other City facilities that are managed by the "Building Automated System" (BAS), to establish baseline data and adjust lights and HVAC systems to improve efficiencies.</p> <ul style="list-style-type: none"> • Completed for City Hall and Library. <p>Other Energy accomplishments:</p> <ul style="list-style-type: none"> • Housing Authority's Green Retrofit Grant was completed. \$750,000 in energy upgrades and indoor air quality ugrades were completed at the the 50-unit Englewood East Apartments that houses people 62 years of age and over. • An energy upgrade on door and window replacements at Meadowlark Villiage Apartments, a 30-unit complex, was completed.

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	Increase the use of renewable energy sources to power City facilities where possible.	Assess the potential for solar, wind, and geothermal energy sources for City buildings.	<p>Identify renewable energy opportunities, potential costs, and funding options.</p> <ul style="list-style-type: none"> The solar array on the Salem Conference Center became fully functional on March 18, 2011. Tours were offered to Department Heads and City Councilors. Project Completed. Real-time solar monitoring with updates every 15 minutes is now online and can be accessed at http://salemconferencecenter.org. The Deck Monitoring display shows current solar generation, kilowatt hours generated since March 18, 2011, and graphs indicating solar generation in various time intervals. As of July 7, 2011, the kilowatt hours generated totals 48,628.59. According to the website the total energy generated is equivalent to the use of 277 60-watt bulbs for one year while used for eight hours per day and a total of 34 tons of carbon dioxide (CO₂) saved.
Energy (Vehicle Fuel) Sponsoring Department(s): Administrative Services	Decrease fuel use in City operations.	Improve overall annual fleet miles per gallon and hours per gallon by 5 percent by year-end 2010 and by 10 percent by year-end 2013 from 2008 baseline.	<p>Continue to implement measures for reducing fuel consumed by municipal fleet equipment as outlined in the City's Fuel Conservation Policy. Implement anti-idling measures, driver education, and right-sizing vehicles to usage (reducing size and loads) of City equipment.</p> <ul style="list-style-type: none"> Ongoing. City driver idling survey drafted for presentation 1Q 2011/12. <p>Reduce engine idling requirements by replacing the remaining 80 vehicle emergency lighting/amber-warning beacons with low-wattage LED by year-end 2010.</p> <ul style="list-style-type: none"> Completed. <p>Change-out of emergency lighting on frontline emergency services vehicles to LED will be completed in 2011.</p> <ul style="list-style-type: none"> Completed on all but a handful of units as of October 2010. <p>Evaluate hybrid vehicles as possible fleet replacements in FY 2010-11, subject to lifecycle/cost/benefit analysis. The availability of OEM plug-in hybrids, as well as increased types of hybrid vehicles, will increase the efficiency of hybrids and broaden their applications in City service over the coming years.</p> <ul style="list-style-type: none"> Six hybrid sedans have been put in service and three more are on order for FY 2010-11. Order for four hybrids was cancelled by Toyota due to earthquake/tsunami damage. At least one hybrid is planned for purchase in FY 2011-12. <p>Evaluate electric vehicles (EV) as possible fleet replacements in FY 2010-11, subject to lifecycle/cost/benefit analysis.</p> <ul style="list-style-type: none"> EVs currently available are priced at levels not yet considered affordable for the City's applications. There are prospects that increased competition and less-expensive batteries will improve affordability over the next two-three years. <p>Participate with the State of Oregon and other jurisdictions in preparing the City of Salem for the introduction of electric vehicles to the fleet and to develop infrastructure, including charging stations, for charging electric vehicles at selected locations (ongoing). The first EVs will become available in the third quarter of 2010.</p> <ul style="list-style-type: none"> Currently, the City can purchase the Nissan Leaf with a charging station included. For the reasons cited above, EVs are not viable choices for the City's fleet at this time.

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			<p>Monitor the availability of compressed natural gas, liquefied gas, and propane-fueled equipment to use as alternatives to reduce the unit fuel use (ongoing).</p> <ul style="list-style-type: none"> Limited availability of gaseous fuels, as well as OEM gaseous-fueled vehicle offerings has made purchase of these vehicles problematic. While vehicle manufacturers are beginning to expand their CNG products, the high cost of local CNG compressors do not yet support purchasing these vehicles in Salem. Propane light vehicles of certain types are becoming more attractive, and the City has propane available at the City Shops fuel island. Propane vehicles will be considered for FY 2012-13 fleet replacements. <p>Focus on fleet replacements to replace existing equipment with smaller, lighter, more fuel-efficient units where operational effectiveness permits (ongoing).</p> <ul style="list-style-type: none"> Three full-size vans were replaced in FY 2010-11 with smaller vans and one full-size van was replaced with a small pickup. Two full-size pickups were replaced with mid-size pickups. One ten-yard dump truck, two street sweepers, and one sewer cleaner truck were replaced with low-emission, new technology diesel trucks.
	<p>Reduce carbon dioxide emissions from use of diesel- and gasoline-fueled vehicles.</p>	<p>Reduce annual carbon dioxide emissions by 5 percent by 2010 and by 10 percent by 2013.*</p> <p>*Metric will be based on total fuel consumed, using 2008 as a baseline.</p>	<p>Analyze the possibility to expand the use of biofuels (ongoing). Based on diesel and gasoline consumed, report annually on carbon dioxide produced by fleet operations. (Per the U.S. Energy Information Agency, combustion of one gallon of gasoline produces 19.42 pounds of carbon dioxide, and combustion of one gallon of diesel produces 22.38 pounds of carbon dioxide.)</p> <p>Relative to the 2008 base year, FY 2008-09 and FY 2009-10 showed reduced CO2 production as a function of total gallons of fuel purchased. FY 2010-11 fuel usage increased to the degree that gains from the previous two years have been reversed. CO2 produced by City fleet fuel combustion now slightly exceeds the level of base year 2008. Retention in service of equipment that has been replaced, as well as additions to the fleet contribute to this condition. Increased anti-idling measures, and efforts by managers to reduce equipment hours/miles are indicated to meet our emissions goal. Fleet Services is investigating possible investment in telematics/GPS technology to find savings in equipment operation. Community Development is proposing a pilot telematics project.</p> <ul style="list-style-type: none"> The \$1/gallon biodiesel blending credit funding has not been renewed by Congress. Volatility in both petroleum and agricultural commodity markets may present pricing opportunities to use higher blends of biodiesel and thereby improve emissions performance of the fleet. <p>Continue working with the City of Portland on equipping City diesel vehicles with diesel particulate reduction filters.</p> <ul style="list-style-type: none"> This project is nearing completion, with final instructions from Portland awaited. All eligible and suitable City trucks now have their installations completed.

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Drinking Water Sponsoring Department(s): Public Works	Increase internal water conservation.	Reduce water use by City Operations.	<p>Install meters necessary to establish a baseline for each facility.</p> <ul style="list-style-type: none"> Installed meter on City Hall/Lilibrary cooling tower in November that is being monitored by Building Automation System (BAS). Installing additional meter to isolate Building 14 from Building 2. <p>Categorize each facility by primary use (domestic, irrigation, or industrial) and establish baselines based on the categories where feasible.</p> <ul style="list-style-type: none"> Complete. This had orinally been done for the 2009 calendar year but has been updated to baseline each facility for FY 2009-10. <p>Continue internal water-reduction projects (such as low-flow fixture replacement).</p> <ul style="list-style-type: none"> Ongoing. <p>Incorporate water conservation designs into building rehabilitation and remodeling projects.</p> <ul style="list-style-type: none"> The airport terminal rehabilitation project is completed. This task continues as ongoing for project design and development for new and rehabilitation projects. <p>Initiate citywide water conservation educational activities.</p> <ul style="list-style-type: none"> The Environmental Action Team hosted a booth at the City's Wellness Fair on November 5, 2010, and April 2011. <p>Identify possible locations and develop cost estimates to create a water conservation demonstration feature (partnership between Water Services, Water Resources, and Parks).</p> <ul style="list-style-type: none"> Developing a phased proposal for reducing watering needs in landscaped sites at Civic Center beginngng spring 2011. There could be a fair amount of possible redevelopment of the Civic Center (i.e., west of the Pond and the Peace Plaza). Readjusted focus to lawn and ivy beds between the Library and the south parking garage. New estimates and designs. <p>Invetigate installing/using drought-tolerant landscapes that reduce over-watering, high maintenance costs, bare soil, and high plant turnover.</p> <ul style="list-style-type: none"> Incorporated into above item. <p>Initiate trial operation of variable irrigation reductions in parks and landscape areas.</p> <ul style="list-style-type: none"> Comparing 2011 irrigation consuption against 2010 usage to determine results. <p>Identify and evaluate peak water usages and reduce peaks where possible.</p> <ul style="list-style-type: none"> Reviewing data. No items identified so far. <p>Develop a water conservation project prioritization list (using the CIP method) for under \$50,000.</p> <ul style="list-style-type: none"> Completed.

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		<p>Reduce water loss in City transmission and distribution system targeting nationally accepted target of no more than 10 percent loss.</p>	<p>Purchase additional leak detection instruments to be used throughout the distribution system.</p> <ul style="list-style-type: none"> Equipment has been purchased and is being used by Public Works crews and the new leak detection logger has been used on Hawthorne Avenue NE from Pipe Bend Place NE to Center Street NE (7,612 feet) for an upcoming project. We are now in the process of going over South Commercial as post work, which will account for another 22,874 feet. This should be completed by the end of May. Then we will be doing North Hawthorne from Silverton Road NE to Hyacinth Street NE. <p>Replace 3,596 lineal feet of aged pipeline.</p> <ul style="list-style-type: none"> Crews replaced 6,476 feet of aged pipeline. <p>Improve internal systems that estimate unmetered water uses by Salem Fire and Public Works.</p> <ul style="list-style-type: none"> Met with Salem Fire and subsequently began receiving water consumption data related to hydrant flushing, training, and major fires. <p>Implement recommendations of Condition Assessment of Transmission Mains 1 and 2 to reduce leaks.</p> <ul style="list-style-type: none"> Repair of Line 1 is going through the CIP evaluation/scoring process. Line 2 repairs have been completed by City crews.
<p>Waterway and Stormwater Quality</p> <p>Sponsoring Department(s): Public Works</p>	<p>Improve surface water quality.</p>	<p>Meet regulatory requirements for state and local permits.</p>	<p>Maintain erosion control program compliance. Inspections has instituted an erosion control report tracking database to assure and document inspection on Citywide sites.</p> <ul style="list-style-type: none"> Five inspectors attended a three-day Oregon Department of Transportation inspector certification course. All attendees passed the written exam and now carry an ODOT certification in Environmental and Erosion Control. Inspections instituted an erosion control report tracking database to document and assure inspection on Citywide sites. Staff is working to scan reports into the City's AMANDA permit reporting system. Project site photos will also be incorporated into AMANDA. A contractor education outreach program to assist contractor compliance with the City Erosion Prevention and Sediment Control Plan Technical Guidance Handbook began. Work continues to finalize revise the Erosion Control and Grading Ordinance. <p>Maintain compliance with the wastewater National Pollutant Discharge Elimination System (NPDES) Permit.</p> <ul style="list-style-type: none"> No violations occurred between July 1, 2010, and October 2010, between December and February 2011. In November 2010, two of the three required ammonia samples were taken during the week of November 21, 2010, in addition to the online sampling. Staff sent a letter to DEQ regarding the missed sample. The one in March 2011 occurred due to a high <i>E. coli</i> number where the geometric mean for the day was not low enough at River Road. No violations occurred through the remainder of the fiscal year: April 2011 and June 2011.

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			<p>Additional accomplishments at the wastewater treatment facility:</p> <ul style="list-style-type: none"> Conducted two samplings for the 117 Oregon Priority Persistent Pollutants under SB 737. Provisional results show cholesterol and coprostanol were above the initiation level. All other constituents were under the initiation levels. DEQ made a ruling that they will not require a pollution prevention plan for cholesterol or coprostanol; therefore, Salem does not have to develop a pollution prevention plan for SB 737. <p>Maintain compliance with the existing NPDES MS4 Permit, and obtain a new stormwater NPDES MS4 Permit.</p> <ul style="list-style-type: none"> A new NPDES MS4 permit was received in December 2010. MS4 project teams were developed and kick-off meetings were conducted with project teams to address required NPDES MS4 permit deliverables and maintain permit compliance. A revised Stormwater Management Plan (SWMP) and Surface Water and Stormwater Monitoring Plan was submitted to DEQ by the respective April and May 1, 2011, deadlines. Stormwater Services has begun to collect and organize the data and information needed for the upcoming NPDES Annual Report. This report will be completed this September 2011 and sent out for a 30-day public comment period prior to DEQ submittal. <p>Reduce sanitary sewer system infiltration and inflow (I&I) by replacing 7,000 lineal feet of aged pipeline by July 2011.</p> <ul style="list-style-type: none"> Completed sewer projects: <ul style="list-style-type: none"> * 3,212 lineal feet of 36-inch gravity sewer was replaced on Macleay Road SE. * 1,833 lineal feet on Ridge Drive NE Phase I. * Roughly 1,000 lineal feet of sewer pipe was replaced in the Greenbriar project. One additional project was bid out in Q4: 1,400 lineal feet for Ridge Drive Phase II. The total annual pipe replacement from CIP projects is 6,045 lineal feet. <p>Additional sanitary sewer maintenance:</p> <ul style="list-style-type: none"> Total annual inspected pipe for I&I: 890,440 lineal feet. Total annual pipe grouting: 14,045 lineal feet. Total annual manhole inspections for I&I: 1,337. Total annual manhole adjustments or repairs of I&I: 643. Total annual manholes grouted for I&I: 52. Total annual manholes coated for I&I: 57. City crews repaired/replaced a total of 1,050 lineal feet of sewer pipe during this fiscal year using dig and replace and trenchless liner technologies. <p>Evaluate existing City infrastructure for opportunities in retrofitting stormwater treatment.</p> <ul style="list-style-type: none"> The NPDES MS4 retrofit project team has been formed to initiate efforts on the development of a MS4 permit-required retrofit plan and targeted bacteria-treatment project.

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		<p>Develop a stable funding base for the City's stormwater program.</p>	<ul style="list-style-type: none"> Stormwater Services worked closely with Public Works Engineering to incorporate a stormwater treatment planter into a pedestrian improvement project on Rosemont Avenue NW in West Salem as well as a detention/ rain garden into the next phase of the Kuebler Boulevard SE Project. Submit the proposed stormwater utility for City Council approval by November 2010 and implement the approved stormwater utility as proposed by Council. On December 6, 2010, the Salem City Council approved creation of a stormwater utility. The Council's decision will have the effect of decoupling funding for the City's stormwater program from wastewater fees and fund the program with separate stormwater fees. The new stormwater fees will be initially implemented no later than January 2013 and will be phased in over three years. During the implementation period, ratepayers will see adjustments that decrease their wastewater charges as new stormwater fees are incorporated into the billing statement, with final rates in place in January 2016. The City Council's approving vote was the culmination of over a year of collaborative efforts involving City staff, business organizations, and our customers. Led by staff from Public Works, the City made it a priority to go into the community to provide information and gather feedback. Over 50 meetings were conducted with property owners, neighborhood associations, business groups, nonprofit organizations, state and school district staff, and others. There were two Council work sessions and a public hearing on the proposal spanned two Council meetings.
		<p>Provide for the treatment and detention of stormwater.</p>	<p>Draft and submit for City Council approval of a new stormwater code by December 2010 regarding the protection of the storm and surface water systems.</p> <ul style="list-style-type: none"> The anticipated approval date, January 2014, has been adjusted to reflect the requirements of the City's municipal stormwater National Pollutant Discharge Elimination System (NPDES) permit. An internal draft stormwater code, which will become Salem Revised Code (SRC) 71, has been completed and is under internal review. External outreach is expected to begin in late 2011. The work program for developing a new stormwater code has been integrated with related efforts to incorporate requirements for grading into SRC 75 (Erosion Prevention and Sediment Control) and to complete major updates and revisions to the City's Engineering Design Standards. <p>Implement the revised Stormwater Management Design Standards by December 2010 to enhance stormwater treatment and detention in new development and redevelopment.</p> <ul style="list-style-type: none"> Staff continues to work on revisions to the Salem Revised Code to include a Stormwater-only Chapter (SRC 71), which will serve as the basis for adoption (by administrative rule) of the updated Design Standards. Adoption is scheduled for January 2014.

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			<ul style="list-style-type: none"> Work continues on the completion and implementation of the updated Stormwater Design Standards and SRC Chapter 71. Design Standards including those for stormwater are currently under review by the Legal Department. Adoption is anticipated by January 1, 2012. <p>Construct a permeable parking lot project.</p> <ul style="list-style-type: none"> The Hawthorne Avenue NE/Hyacinth Street NE Improvement project will be constructing a permeable parking lot in Northgate Park. The project is currently in the design phase (90 percent plans). Construction will occur in two phases starting in spring 2012 with completion in fall 2013.
<p>Solid Waste Reduction and Management</p> <p>Sponsoring Department(s): City Manager's Office</p>	<p>Reduce solid waste in City government operations.</p>	<p>Reduce the amount of recyclable materials entering the waste stream from City facilities by 25 percent.</p>	<p>Increase opportunities for recycling aluminum and plastic at City locations.</p> <ul style="list-style-type: none"> Departments now have access to mixed recycling bins at centralized office locations, enabling plastic and aluminum recycling. <p>Work with stakeholders and department groups to identify needed collection bins and suitable collection points.</p> <ul style="list-style-type: none"> Staff worked with stakeholders and departments to identify the collection bin locations to allow for plastic and aluminum recycling. <p>Establish personal e-waste interoffice mail program.</p> <ul style="list-style-type: none"> An interoffice e-waste program has been established, and a point of contact for each department has been assigned. We currently use GreenDisk, but are investigating using Garten Services, a local service provider. <p>Locate a central place where office supplies that are no longer needed can be stored and made available to other departments.</p> <ul style="list-style-type: none"> Task to be implemented in a future quarter. <p>Perform an end-of-year waste audit to determine decrease in recycled goods being diverted from waste stream.</p> <ul style="list-style-type: none"> Results from this year's audit of waste generated at City facilities indicates waste reduction efforts are making a significant impact. Less than 40 percent of the audited waste had potential for recovery; however, changes at service locations and the extent of the 2010 audit do not allow for an accurate comparison with baseline established in the previous year. <p>Eliminate printing of earning statements for employees receiving electronic deposits.</p> <ul style="list-style-type: none"> Staff met with Human Resources to determine feasibility. While it is a possibility, paper options will need to continue for those who do not have electronic deposit.
		<p>Determine reduction of waste and increase of recycling opportunities through Earthwise certification and other processes.</p>	<p>Complete Earthwise certification for all City facilities.</p> <ul style="list-style-type: none"> Staff has completed its application for Earthwise certification of the Civic Center and is working with Marion County to finalize the process. It is anticipated that certification will be received in the coming months following the City's demonstration of the use of third-party certified cleaners and the adoption of a sustainable business operations policy. The Library, IT facility, and Urban Development facility have been or will shortly be re-certified as EarthWise facilities. Remaining sites for Earthwise certification are Salmon Run, Shops Complex, and Geren Island.

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			<p>Determine feasibility of using Garten Services for "Zero Waste" City events.</p> <ul style="list-style-type: none"> Staff has contacted Garten Services to inquire about the cost of the event and is looking for a grant as a potential funding mechanism. <hr/> <p>Increase education of City staff on waste reduction and recycling opportunities and responsibilities.</p> <p>Create more training and informational aspects to the sustainability pages on the intranet.</p> <ul style="list-style-type: none"> Information about styrofoam recycling will be added to the Intranet. IT has an account at Fresh Start Market 3020 Center St NE. for the snapping white styrofoam. IT department staff is continuing to explore how to effectively accomplish this objective. <p>Launch "Cover Your Backside" duplex printing campaign.</p> <ul style="list-style-type: none"> Duplex printing ability was rolled out prior to the campaign. Action is no longer relevant. <p>Encourage the use of the intranet and make meetings as paperless as possible by decreasing the number of meeting handouts.</p> <ul style="list-style-type: none"> This practice is being encouraged by many departments and was exemplified at a recent meeting for department managers. <hr/> <p>Additional accomplishments:</p> <ul style="list-style-type: none"> Library reduced the amount of paper used for card registrations beginning in January 2011 by offering online registration and online or verbal account updates and card renewals. Printed documents used for these activities have been reduced by approximately one-fourth, representing approximately 500 pounds of paper or \$650.
<p>Parks and Open Spaces</p> <p>Sponsoring Department(s) Public Works and Community Development</p>	<p>Preserve and enhance natural resources and landscapes on City-owned property.</p>	<p>Develop baseline data for City-owned properties.</p>	<p>Inventory all City-owned properties and determine their designation (park, open space, misc.).</p> <ul style="list-style-type: none"> GIS staff received taxlot information for all City properties, which totals 852, from the Marion and Polk County Assessors. A GIS map was created for all City of Salem properties. City parcel GIS map is available to all employees with ArcGIS or ArcReader. Staff is reviewing all properties to determine location and status (developed or undeveloped park, or developed or undeveloped parcel) in conjunction with assessing the natural resources as defined in the task below. <p>Develop assessment criteria/scorecard for natural resources values and maintenance practices that include but are not limited to:</p> <ol style="list-style-type: none"> Riparian shade analysis. Tree canopy analysis. Review of operation and maintenance procedures including current management, sensitive area plan, and Integrated Pest Management. <ul style="list-style-type: none"> A natural resources scorecard was created and reviewed by staff from Parks, Community Development, Stormwater Services, and Water Resources for use in the assessment of natural resource assets and maintenance practices. Amendments to the scorecard were made based on comments and field application. Completed.

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			<p>Assess natural resources assets and maintenance practices on all City-owned properties.</p> <ul style="list-style-type: none"> All West Salem sites have been assessed and scored. Assessment will continue through FY 2011/12. <p>Apply criteria/scorecard to identify project opportunities and subsequent project prioritization list.</p> <ul style="list-style-type: none"> Scheduled for FY 2011/12. <p>Determine natural resources designation for undesignated properties.</p> <ul style="list-style-type: none"> Scheduled for FY 2011/12.

Community Component

Category	Goals	Objectives	Actions
Community Energy Strategy Sponsoring Department(s): Urban Development	Improve energy efficiency in buildings communitywide.	Provide financial incentives and tools to improve energy efficiency.	<ul style="list-style-type: none"> Develop and capitalize a loan program that provides up front financing for energy efficiency upgrades in existing residential and commercial buildings.* <p>Designed the program in partnership with PGE, Salem Electric, Energy Trust of Oregon, and West Coast Bank; established legal framework for program; developed and implemented a marketing strategy; issued press releases to the media to promote program; hosted workshops with local contractors to raise awareness; supported direct mail advertising to area businesses.</p>
	Create and support a viable and diverse transportation network that focuses on moving people.	Support a communitywide plan for locating electric vehicle charging infrastructure.	<ul style="list-style-type: none"> Develop a communitywide plan that encourages electric vehicle charging infrastructure. <p>Identified City-owned sites for publically available charging stations, in coordination with City staff, EcoTality, PGE, and Salem Electric; obtained approval from City Council in April to accept gift agreement from Salem Electric to fund West Salem and downtown sites; identified 14 publically available charging sites; executed agreements with Salem Electric and ECOTality; begin site prep for installations.</p>
		Implement recommendations identified in the Willamette River Crossing Alternative Modes Study to improve access to bicycle, pedestrian, and transit connections.	<ul style="list-style-type: none"> Design and implement bike route signage, lane markings (sharrows), and install bike lockers at key locations.** <p>Public Works is obtaining feedback on an update to the bicycle and pedestrian element of the Transportation System Plan.</p> <ul style="list-style-type: none"> Public Works staff held discussions with representatives of the ODOT Rail Division, Salem Area Transit, the Parks Department, Parking Services, Urban Development, and the Vision 20/20 Bike/Ped Working Group to finalize the locations for bike lockers and shelters. Site visits were conducted. Locations have been identified that optimize intermodal connections. Current activities include preparation of Intergovernmental Agreements, preparing site plans, and obtaining necessary permits to install the bike parking facilities. Public Works Staff prepared a draft signage plan for the Winter Street Bike Path and met with the Vision 20/20 Bike/Ped Working Group to obtain input. Current activities include plan refinement.

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	<p>Complete a public participation program that fosters a sense of commitment and awareness of the benefits of energy savings and greenhouse gas reduction communitywide.</p>	<p>Develop marketing and educational outreach plan and materials to promote programs and projects.</p>	<ul style="list-style-type: none"> • Develop a marketing plan and materials to promote energy savings programs; develop a website to serve as clearinghouse of information; conduct ongoing outreach activities; complete final Energy Strategy report; and conduct outreach to raise awareness. Complete an energy website by August 2010 and conduct Community Energy Forum by December 2010. • Presentations regarding the City's sustainability efforts, including Willamette University Continuing Education Net Impact, Willamette University Environmental Science class, and ODOT new hires and interns. • The Salem Sustainability Network, a collaboration of City, Willamette University, State of Oregon, and host of local businesses and non-profits, hosted monthly meeting to share information about Salem-based incentives. • City collaboration with other mid-Valley cities, the State of Oregon, and others to share information regarding electric vehicles, funding, and needed infrastructure to support them. • Hosted annual Salem-Keizer Sustainability Center with workshops and speakers related to energy efficiency, local food, renewable energy, alternative fuels, and vehicles. Over 150 residents and businesses attended. Began planning for 2012 event.

* \$150,000 in EECBG funding is allocated for this activity; recommended \$100,000 will be redirected in next quarter to City lighting project.

** \$85,000 of the DOE/EECBG funds have been allotted for the bicycle-pedestrian related capital expenses.