

# *Appendix 1*

## **COMPILED PRIORITY ACTION ITEMS**

**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

High Priority Action Areas	Relative GHG Reduction	Fossil Fuel Reduction	Adaptation Value*	Cost	Savings	Leader (L) / Partners (x)																Timing				
						City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012	2013	Future			
<b>Buildings &amp; Energy Use</b>																										
<b>Objective 1: Reduce total green house gas emissions from existing buildings by 25 percent by 2030.</b>																										
1.1	Identify the most cost-effective opportunities for increasing efficiency in existing buildings.	H	H	CC/FF	\$		x	L	x					x	x	x	x	x								x
1.2	Expand assistance programs for retrofits that increase energy efficiency and reduce the carbon footprint of existing buildings.	H	H	CC/FF	\$\$\$	\$\$	x	L										x							x	
1.3	Establish a project fund to expand financing mechanisms for residential energy efficiency and/ or renewable energy system installations.	M/L	M/L	CC/FF	\$\$\$		x	L										x							x	
1.4	Target occupant behavior in order to reduce energy use in all types of buildings.	M	M	CC/FF	\$\$	\$\$	x	L	x	x				x	x	x	x	x			x				x	
1.5	Adopt an energy performance score program or similar tools, to disclose total energy use including natural gas and electricity in existing and new buildings, for use by builders, realtors, owners, and renters.	L	L	N	\$		L	x	x									x							x	
<b>Objective 2: Reduce greenhouse gas emissions from new construction 50percent by 2030.</b>																										
2.1	Lobby for adoption, and actively participate in development, of building code amendments that meet the Architecture 2030 standards for energy efficiency.	L	L	CC/FF	\$		L	x	x	x				x											x	
2.2	Increase incentives for highly energy-efficient new buildings, aiming toward zero net energy and carbon neutral buildings.	L/M	L/M	CC/FF	\$\$/\$\$\$	\$	L	x	x									x							x	
2.2a	Revise or expand incentives to encourage smaller homes that use less energy to operate and fewer building materials to construct.	L	L	CC/FF	\$	\$\$	L	x										x							x	x

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<b>Objective 3: Expand use of Renewable and District Energy Systems.</b>																									
<b>3.1</b> Increase the use of on-site renewable energy systems, such as solar hot water, photovoltaic, and ground-source heat pumps, by removing barriers to such systems.	L/M	L/M	CC/FF	\$\$\$		x	L	x	x				x	x	x	x	x								
<b>3.1a</b> Invest in EWEB's downtown network to facilitate net metering, a program which would allow connection to photovoltaic systems on downtown buildings.	L	L	CC/FF	\$\$\$		x	L	x					x		x	x									
<b>3.1b</b> Address the financial barriers to onsite renewable energy by expanding financing options such as long-term loans and property-assessed clean energy bonds.	L	L	CC/FF	\$\$\$	\$\$	x	L										x								
<b>3.1c</b> Assess and reduce barriers to solar energy use and balance priorities for solar access.	n/a	n/a	FF	\$		L	x	x	x	x	x	x	x	x	x	x									x
<b>3.2</b> Develop at least one community scale renewable energy pilot by 2015.	L	L	CC/FF	\$\$\$		x	L	x	x				x	x		x									
<b>3.3</b> Develop district energy systems in Eugene.	L	L	CC/FF	\$\$\$		x	L	x	x				x	x		x									
<b>3.3a</b> Develop at least one clean district energy, or shared energy, system pilot project by 2015 by working with property owners and EWEB.	M	M	FF	\$\$\$	\$\$	x	L	x	x	x	x	x	x	x											
<b>Objective 4: Increase the implementation of climate change preparation strategies for the built environment.</b>																									
<b>4.1</b> Encourage the use of passive systems in buildings for heating, cooling, ventilation, water delivery, and incorporate climate change preparation strategies into building design and construction.	M	M	CC/FF	\$	\$\$	L										x									

**Buildings and Energy Use**

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4.1a Lobby for state building code amendments.	L	L	CC	\$		L	x		x						x		x		x				
4.1b Develop incentives to encourage the use of passive heating and cooling systems and other strategies that reduce energy demand and better adapt buildings for a changing climate.	L	L	CC/FF	\$\$	\$\$	L	x													x			
4.2 Provide education, assistance and incentives to reduce potable water use in new and existing buildings and landscaping.	L	L	CC	\$\$	\$\$	x	L	x			x		x	x	x		x		x				

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<b>Food and Agriculture</b>																									
<b>Objective 5: Reduce consumption of carbon-intensive foods.</b>																									
Food and Agriculture	5.1	Begin a community campaign to educate the public about food choice as part of a climate-friendly lifestyle.	M	M	n	\$	\$	x		x	x	x	x	x	x	x	x	L	OSU	x	x				
	5.1a	Specifically encourage reduced consumption of carbon intensive foods including red meat and dairy.	M	M	n	\$	\$	x		x	x		x	x	x	x	L	OSU		x					
	5.2	Implement a "Buy climate-friendly first" food purchasing policy for public institutions - schools, hospitals, city and county governments.	M	M	n	\$	\$\$\$	x	x	x			x	x	x	x	L				x				
	<b>Objective 6: Reduce the greenhouse gas emissions associated with agriculture and food waste.</b>																								
	6.1	Transition to agriculture methods that reduce greenhouse gas emissions.	M	L	FF	\$\$\$\$								x		FBMP	L	Oregon Tilth	OSU, ODA		x				
	6.2	Conduct a pilot project for co-digestion of food waste and biosolids. See Consumption and Waste section.	M	M	CC/FF	\$\$\$	\$	L	x	x			x		x						x	x	x		
	<b>Objective 7: Preserve the productive capacity of the local and regional foodshed.</b>																								
	7.1	Strengthen current farmland protections, particularly around high-value agriculture soils.	n/a	n/a	CC/FF	\$		x			x			L			x	Land Watch	OSU		x				
	7.1a	Strengthen City and County land use protections to prevent urban growth onto prime farmlands.	n/a	n/a	CC/FF	\$		L			x			x							x				
	7.2	Strengthen current farmland protections at state levels.	n/a	n/a	CC/FF	\$		x			x			x		L	x				x				
7.2a	Lobby state agencies to strengthen protections for high-value farmlands.	n/a	n/a	CC/FF	\$		x		x	x			L		x	x				x					

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<b>Objective 8: Prepare our food systems for the uncertainties created by climate change and rising energy prices.</b>																														
<b>8.1</b> Implement the following recommendations from Eugene's Food Security Scoping and Resource Plan:	L	L	CC/FF																											
<b>8.1a</b> Identify City of Eugene liaison for food system related programming.	L	L	CC/FF	\$		L																								
<b>8.1b</b> Develop a comprehensive Community Food Security Assessment.	n/a	n/a	CC/FF	\$		x	x						x	x			L	OSU												
<b>8.2</b> Develop an updated a regional emergency food distribution plan that accounts for climate and energy based disruptions.	n/a	n/a	CC/FF	\$		L		x					x	x			x													
<b>8.3</b> Increase the diversity and drought resistance of food crops grown in the upper Willamette Valley.	n/a	n/a	CC/FF	\$\$				L									x	OSU												
<b>8.4</b> Support the efforts of non-profits, food growers, and state agencies to increase the diversity and drought resistance of food crops.	n/a	n/a	CC	\$		x	x	x	x				x	x	x	x	x	(L) OSU												
<b>8.4a</b> Prioritize development of vegetable protein crops such as beans and grains.	L	n/a	CC/FF	\$				L									x													
<b>8.5</b> Remove barriers to using greywater in agriculture. Work with state lawmakers to find solutions for greywater re-use.	L	L	CC/FF	\$				x					x		x	L	x	OSU												
<b>Objective 9: Increase availability of home-grown, and locally sourced food in Eugene.</b>																														
<b>9.1</b> Expand Community gardens on public, private, and community lands including City land, school campuses, and church properties.	L	L	CC/FF	\$	\$	x	x	x					x	x	x	x		L	Churches											
<b>9.1a</b> Assess opportunities for community garden locations within the city.	n/a	n/a		\$		L							x																	

Food and Agriculture

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<p><b>9.2</b> Encourage planting of non-invasive food-bearing trees and shrubs on public and private lands. Support urban tree food programs of such advocates as Tree by Tree, and the Eugene Tree Foundation.</p>	L	L	CC/FF	\$	\$	L	x	x	L	x	x	x	x	x			L	x							
<p><b>9.3</b> Reevaluate limitations on numbers and types of animals permitted under Eugene's code to allow, where appropriate, an increase in the number and variety of food-producing animals that can be kept by urban residents.</p>	L	L	CC/FF	\$	\$	L		x	x				x				x		x						

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<b>Land Use and Transportation</b>																											
<b>Objective 10: Create 20-minute neighborhoods, where 90 percent of Eugene residents can safely walk or bicycle to meet most basic daily, non-work needs, and also have safe pedestrian and bicycle routes that connect to mass transit.</b>																											
<b>Land Use and Transportation</b>	<b>10.1</b>	Make the creation of 20-minute neighborhoods a core component of the Eugene Plan and the Eugene Bicycle Pedestrian Master Plan.	H	H	FF	\$	L								x				x	LCOG	x						
	<b>10.2</b>	By 2013, complete and implement a 20-minute neighborhoods plan	H	H	FF	\$\$	L															x	x	x			
	<b>10.2a</b>	Estimate cost and identify funding for planning	n/a	n/a	n/a	\$	L																x				
	<b>10.2b</b>	Identify key components for 20 minute neighborhoods (i.e. schools, parks, grocery store, retail services)	n/a	n/a	n/a	\$	L																	x			
	<b>10.2c</b>	Conduct a network gap analysis to determine needs (coordinated with Opportunity Siting)	n/a	n/a	n/a	\$	L																		x	x	
	<b>Objective 11: Increase density around the urban core and along transit corridors.</b>																										
	<b>11.1</b>	Zone future commercial and high residential densities in and around the urban core, and along EMX and other high-capacity transit corridors to accommodate future urban growth.	H	H	CC/FF	\$\$	\$\$	L	x	x	x	x	x						x			x	x				
<b>Objective 12: Consider the potential for climate refuges when conducting land use planning activities.</b>																											

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12.1	Closely monitor the community's population growth rate to gauge whether population projections are accurate.	n/a	n/a	CC	\$	L																				

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	<b>Objective 13: Continue to expand and improve Eugene's bicycle and pedestrian infrastructure and connectivity to increase the percentage of trips made by bike and on foot.</b>																							
	13.1	Create a pedestrian and bicycle master plan	n/a	n/a	FF	\$\$	L		x	x	x	x	x	x	x	x	x							
	13.1a	Identify mobility gaps in the bicycle and pedestrian transportation system.	n/a	n/a			L		x	x	x	x				x	x	BPAC						
	13.1b	Recommend needed improvements to bicycle and pedestrian infrastructure.	n/a	n/a			L		x	x	x	x				x	x							
	13.1c	Create an implementation plan.	n/a	n/a			L																	
	13.1d	Identify funding sources for implementation.	n/a	n/a			L								x	x	x							
	13.2	Increase the connectivity of bicycle boulevards and shared-use paths to encourage bicyclists of varying abilities to travel by bike.	M	M	FF	\$\$\$	L																	
	13.3	Create a complete streets policy that requires all subsequent transportation projects and rehabilitation projects to accommodate bicycles, pedestrians, and transit service.	L	L	FF	\$	L																	
	<b>Objective 14: Increase the supply of integrated, convenient, efficient, and cost effective public transit.</b>																							
	14.1	Diversify funding sources for Lane Transit District (LTD) to increase the long-term reliability of mass transit service while maintaining cost effective and fuel efficient transit service.	M	H	FF	\$	\$			x														
	14.2	Align City of Eugene Transportation System Plan and LTD long-range transit plan to integrate bus routes into the broader alternative transportation system.	M	M	FF	\$	\$\$\$	x																

Land Use and Transportation

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<b>14.2a</b> Create special setbacks along future Bus Rapid Transit (BRT) or other mass transit corridors to accommodate future right-of-way expansion.	n/a	n/a	FF	\$	\$\$\$	L																						
<b>14.2b</b> Determine the role of mass transit in accomplishing greenhouse gas emission reduction goals by working with LTD in developing the Long Range Transit Plan.	n/a	n/a	FF	\$		L										x												
<b>14.3</b> Invest in transit infrastructure that meets future access and mobility needs while consuming less fossil fuel.	M	M	FF	\$-\$\$\$	\$\$	x		x	x							x	x											
<b>14.3a</b> Electrification of transit system	M	M	FF	\$\$\$		x	x	x	x							x	L											x
<b>14.3b</b> Increase use of hybrid vehicles, including buses and other heavy vehicles				\$\$	\$																							

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	<b>Objective 15: Expand outreach, marketing and education regarding climate-friendly transportation alternatives.</b>																							
	15.1	Increase promotion of bicycling, walking, transit, car-pooling, telecommuting, high occupancy vehicles, and emergency ride home as attractive alternatives to driving in order to increase the mode share alternatives to the single occupancy vehicle.	H	H	FF	\$\$	\$\$	x		x	x	x	x	x	x	x	x	x	x	(L) Point	x			
	15.2	Increase promotion of fuel-efficient driving techniques.	M	M	FF	\$\$	\$\$	x		x	x	x	x	x	x	x	x	x	(L) Point	x				
	<b>Objective 16: Ensure maximum efficiency in current and future freight systems.</b>																							
Land Use and Transportation	16.1	Plan for efficient freight transportation that minimizes greenhouse gas emissions and fossil fuel consumption, and:	M	M	FF	\$\$	\$	L		x						x					x	x		
	16.1a	Connects multiple modes (train, truck, van, car, bicycle); Accommodates regional (upper Willamette Valley) commercial, industrial and agricultural freight needs; and facilitates efficient local deliveries.						L																
	<b>Objective 17: Increase the use of low-carbon vehicles and fuels to improve overall fuel efficiency and reduce vulnerability to fluctuating oil prices.</b>																							
	17.1	Accelerate the transition to plug in hybrids and electric vehicles	M	M	FF	\$\$	\$	x	L	x	x	x	x	x	x	x					x			
	17.1a	Support the installation of a network of electric car charging stations.	n/a	n/a	FF	\$\$	\$	L	L					x								x	x	
	17.1b	Require installation of conduit to support electric car charging stations in new multifamily housing	n/a	n/a	FF	\$	\$\$	L	x	x	x													

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17.2 Conduct research to understand what role biofuels can play in decreasing Eugene's vulnerability to energy markets. Use outcomes of research to inform the next CEAP and appropriately promote local use and production of biofuels.	n/a	n/a	FF	\$		x		x								L	x			x	x	x	

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<b>Consumption and Waste</b>																								
<b>Objective 18: Reduce greenhouse gas emissions by addressing purchasing habits.</b>																								
<b>18.1</b>	Educate businesses and residents about the role of consumption in GHG emissions.	H	n/a	N	\$\$	x		x	x	x	x	x	x	x	x									
<b>18.1a</b>	Encourage businesses and residents to: purchase durable, repairable and reusable goods; reduce the amount of materials that go to waste, including food; Reduce consumption of carbon-intensive consumer goods and services.	H	L	N	\$	x		x	x	x			x	x			L							
<b>18.2</b>	Lobby at state level for better product labeling that includes information about greenhouse gas emissions associated with products.	n/a	n/a	N	\$	L		x	x															
<b>18.3</b>	Provide information for the public on when to replace high energy-use appliances. Where/ If this information is already available, increase the distribution and accessibility.	M	L	Y	\$	x	L	x							x		x				x			
<b>18.4</b>	Participate actively in the process to develop local, state, and federal product stewardship legislation.	n/a	n/a	N	\$	L		x	x						x		x				x			
<b>Objective 19: Increase waste recovery rate by improving recycling and composting.</b>																								
<b>19.1</b>	Target expanded recycling outreach and services to commercial and multi-family residential buildings, including local businesses, apartment buildings, student and cooperative housing.	L	L	N	\$	L		x	x	x			x	x	x		x							
<b>19.2</b>	Enact a local ordinance to increase waste recovery rates from commercial and multi-family buildings.	L	L	N	\$	L			x														x	x
<b>19.3</b>	Assist businesses in improving paper, metal and glass recycling with a goal of supporting 5 percent of businesses each year.	M	M	N	\$\$	x							x		x	x					(L) BRING	x		

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19.4 Enact an ordinance that requires all construction and demolition waste materials to be sorted for reusable or recyclable materials.	M	M	N	\$\$		L								x						x	x					
<b>Objective 20: Increase the waste diversion rate for organic wastes.</b>																										
20.1 Establish a permitted facility within Eugene/Springfield area that can accept and compost all organic materials (including food wastes).	M	L	FF	\$	\$	L	x	x	x																	
20.1a Develop a collection program and rate structure to support food waste collection.	n/a	n/a	FF	\$		L																				
20.2 Conduct a pilot project at the River Avenue Waste Water Treatment Plant to determine the system ability for co-digestion of food waste and biosolids.	M	M	CC/FF	\$\$\$	\$\$	L	x	x	x																	

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

High Priority Action Areas		Relative GHG Reduction	Fossil Fuel Reduction	Adaptation Value*	Cost	Savings	Leader (L) / Partners (x)													Timing							
							City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012	2013	Future			
<b>Objective 21: Conduct research to determine next steps.</b>																											
Consumption and Waste	21.1	Follow research being conducted by the EPA's West Coast Forum on Climate Change, Waste Prevention, Recovery and Disposal, to determine highest priority and most cost effective measures to address GHG production in the waste management sector.	n/a	n/a	N	\$		L																		x	
	21.2	Determine the greenhouse gas emissions profile from the current solid waste collection system and provide recommendations on how to reduce carbon emissions.	n/a	n/a	N	\$	L								x												
<b>Objective 22: Reduce GHGs in municipal operations by improving purchasing practice and reducing waste.</b>																											
	22.1	Increase the effectiveness of current City of Eugene purchasing policies that prioritize: 1) Reuse of products and materials, 2) purchasing durable goods, and 3)avoiding disposable goods whenever possible. Implement the following steps:	L	L	N	\$	\$	L	x						x	x	x	x	x								x
	22.1a	Set targets for procurement policies	L	L	N	\$		L	x						x	x	x	x	x								x
	22.1b	Identify measurements to monitor the impacts of procurement policies			N	\$		L	x						x	x	x	x	x								x
	22.1c	Increase efforts to implement these purchasing policies throughout the organization.			N	\$		L	x						x	x	x	x	x								x
	22.2	Encourage other local public agencies to prioritize: Reuse of products and materials, purchasing durable goods, and avoiding disposable goods whenever possible.			N	0		x	x	x	L				x	x	x	x	x	x							x
	22.3	Reduce public agency purchase of GHG-intensive goods by 2014	M	M	FF	\$		L																			
	22.3a	Identify city-purchased goods with the highest associated GHG emissions by 2012	n/a	n/a		\$		L																			
	22.3b	Create a plan to reduce the purchase of the 5 most GHG intensive goods (through substitutions, efficiencies, etc.)	M	M	FF	\$		L																			

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						City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012	2013	Future								
<b>22.3c</b> Annually report the quantity of these goods (from step b) being purchased.	n/a	n/a	N	\$		L																									
<b>22.4</b> Implement the steps in the City waste reduction plan to reduce waste at City buildings, events, and ongoing operations	L	L	N	\$\$		L																				x					

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High Priority Action Areas		Relative GHG Reduction	Fossil Fuel Reduction	Adaptation Value*	Cost	Savings	Leader (L) / Partners (x)													Timing						
							City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012	2013	Future		
<b>Health and Social Services</b>																										
<b>Objective 23: Prepare community systems for longer-term climate and energy challenges including fuel shortages, increased summer drought and increased storm intensity.</b>																										
Health and Social Services	23.1	Conduct a climate and energy vulnerability assessment that identifies the mid- term, and longer-term climate and energy vulnerabilities of the community – specifically regarding: energy, water, food, health, housing, and sanitation.	n/a	n/a	CC/FF	\$\$	L	x	x	x	x	x	x	x	x	x	x								x	
	23.1a	Build on existing emergency management efforts.	n/a	n/a																						x
	23.1b	Estimate costs of mitigating the identified vulnerabilities.	n/a	n/a		\$	L	x	x			x	x	x	x	x	x									x
	23.1c	Estimate capacity needs and costs for implementing preparation and adaptation strategies.	n/a	n/a																						x
	23.1d	Continue to monitor emerging data on climate change related health risks and revise adaption plans when necessary.	n/a	n/a		\$																				x
	23.2	Strengthen current hunger relief systems to handle increased short-term and long-term demand.	n/a	n/a	CC/FF	\$\$			x	x		x	x					x								x
	23.2a	Conduct analysis to project future demand for hunger relief services;- this could be conducted as part of the vulnerability assessment (above).	n/a	n/a	CC/FF	\$																				
	23.2b	If analysis (a) suggests need, develop plans to prepare for increased food demand from a higher percentage of the population.	n/a	n/a	CC/FF	\$		x										(L)/FFLC								
	23.2c	Identify and remove barriers to, and encourage, development of home-grown food sources such as backyard and community gardens, urban food orchards, etc. This action item is also identified in Food and Agriculture section.	n/a	n/a	CC/FF	\$	\$	x		x	L		x	x		x		x								x

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## APPENDIX 1: COMPILED PRIORITY ACTION ITEMS

High Priority Action Areas				Cost	Savings	Leader (L) / Partners (x)													Timing							
	Relative GHG Reduction	Fossil Fuel Reduction	Adaptation Value*			City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012	2013	Future			
<b>23.3</b> Increase financial assistance for low income populations to support energy efficiency retrofits so that low income populations can see reduced costs for utility service and avoid interruptions in utility service.	M	M	CC/FF	\$\$	\$\$	L	x	x								x	x									
<b>23.3a</b> Target rental properties/landlords.	n/a	n/a	FF	\$\$	\$\$																					
<b>23.4</b> Conduct a food security assessment, as outlined in the Food and Agriculture section, and take action to increase the security of the community's food supply.	n/a	n/a	CC/FF	\$		x	x					x	x			L	OSU									

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	High Priority Action Areas			Cost	Savings	Leader (L) / Partners (x)												Timing							
	Relative GHG Reduction	Fossil Fuel Reduction	Adaptation Value*			City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012	2013	Future		
	<b>Objective 24: Reduce the exposure of human populations to climate related disasters.</b>																								
	24.1	Reduce risk of home fires due to wildfires in and around the urban area.	n/a	n/a	CC	\$	\$	x	x		L	x	x	x	x										
	24.1a	Increase efforts to educate homeowners about creating defensible space around their homes	n/a	n/a	CC	\$		L	x	x	x	x	x	x	x										
Health and Social Services	24.2	Ensure no essential services are located within the 100 year flood zone.	n/a	n/a	CC	\$	\$\$\$	L	x	x				x											
	24.2a	Identify essential emergency and non-emergency services	n/a	n/a	CC	\$		L																	
	24.2b	Create a plan to move essential services out of the flood zone over time.	n/a	n/a	CC	\$		L	x	x					x										
		<b>Objective 25: Increase the capacity of Eugene's health and social services sectors, and the community at large, to meet the health-related challenges of climate change and peak oil by fostering greater public health involvement in climate change and energy planning.</b>																							
	25.1	Educating the public and health professionals about the health risks posed by climate change.	n/a	n/a	CC	\$		x		x	x	x	x	L	x	x	x								
	25.1a	Prioritize local public health resources to emphasize educating the public, staff, and administration about climate change, energy price volatility and the related system impacts and health risks.	n/a	n/a	CC/FF	\$		x						x	L										
	25.1b	Pursue funding for development of a climate change preparation strategy for the public health system.	n/a	n/a	CC	\$		x						x	L										

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

High Priority Action Areas	Relative GHG Reduction	Fossil Fuel Reduction	Adaptation Value*	Cost	Savings	Leader (L) / Partners (x)												Timing			
						City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012
<b>Urban Natural Resources</b>																					
<b>Objective 26: Protect sensitive urban natural areas including riparian areas, wetlands, and floodplains for multiple benefits including improved water and air quality, reduced water and air temperatures, and reduced flooding.</b>																					
26.1	n/a	n/a	CC	\$\$\$-\$		L	x						x	x	x	x	x		x		
26.2	n/a	n/a	CC	\$		L	x	x	x	x	x	x	x	x	x	x				x	
26.3	L	n/a	CC	\$		L	x					x							x		
<b>Objective 27: Manage and update urban natural resource information to reflect current knowledge. Make data available to public and policy-makers.</b>																					
27.1	n/a	n/a	Y	\$		L	x	x				x	x	x	x	x	x			LCOG	
<b>Objective 28: Update vegetation management plans to prepare for changes in climate.</b>																					
28.1	n/a	n/a	CC	\$	\$\$\$	L	x	x	x	x	x									x	
<b>Objective 29: Educate community about the importance of urban natural resources.</b>																					
29.1	n/a	n/a	CC	\$		x	x													x	

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	High Priority Action Areas			Cost	Savings	Leader (L) / Partners (x)													Timing						
	Relative GHG Reduction	Fossil Fuel Reduction	Adaptation Value*			City of Eugene	Utilities	Business Sector	Residents	Neighborhoods	School Districts	Lane County	U of O	Lane CC	State of Oregon	Lane Transit Dist	Non-Profits	Other	Ongoing	2011	2012	2013	Future		
	<b>Objective 30: Manage rainfall (stormwater) to reduce flooding, recharge groundwater, and improve water quality.</b>																								
	30.1	Manage stormwater and riparian areas to meet multiple goals: improved water quality, lowered stream temperatures, increased infiltration, increased capacity, and improved plant and wildlife habitat.	n/a	n/a	CC	\$		L	x	x	x	x	x	x	x	x	x	x	x						
	30.2	Develop a program to encourage onsite treatment of stormwater from existing buildings and facilities.	n/a	n/a	CC	\$		L		x	x	x	x			x	x			Planning	x	x			
Urban Natural Resources	<b>Objective 31: Expand public and private programs to manage, and invest in, trees to cool buildings, pavement, and waterways.</b>																								
	31.1	Increase planting, preservation, and maintenance of trees and shrubs.	L	L	CC	\$\$		L	x	x	x	x	x			x	x	x		x					
	31.2	Control invasive species on public lands including City and County parks in order to maintain the health of existing urban area habitats.	L	L	CC	\$\$	\$\$		L	x	x	x	x	x		x	x	x		x					
	31.3	Create incentives to encourage residents and businesses to plant trees.	L	L	CC	\$	\$		x	x	x	x	x	x			L			x					
	<b>Objective 32: Encourage ongoing water conservation.</b>																								
	32.1	Increase existing water conservation education and water quality initiatives as outlined in the Buildings and Energy section.	L	L	CC	\$\$	\$\$		x	L	x	x	x	x		x			x						
	<b>Objective 33: Strengthen protections of drinking water sources.</b>																								
	33.1	Strengthen and expand water quality protections to protect surface water quality and prevent the contamination of shallow wells.	n/a	n/a	CC	\$\$	\$\$		x	L	x	x	x		x				x						

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## APPENDIX 1: COMPILED PRIORITY ACTION ITEMS

Suggested Measures	Suggested Targets	Adaptation Explanation
Natural gas use and electricity use total and per capita; greenhouse gas intensity of electricity.	<b>Target set:</b> Reduce community wide fossil fuel use 50 percent by 2030	
	Reduce greenhouse gas emissions from existing buildings by 25 percent by 2030	
EWEB completes conservation potential assessment (CPA) - analysis of efficiency opportunities.	Complete by summer 2010	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Dollars spent annually by EWEB and City of Eugene on efficiency grants and incentives; Number of residents/ businesses/ customers participating; percent of residents/ businesses/ customers participating.	Increase participation 5 percent annually	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Fund created; dollars available annually.	Establish fund by 2013	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Number of customers reached; estimated GHG reductions for targeted occupants.		(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Energy Performance Score adopted or available for use.	Create Energy Performance Score system by 2015	
	Reduce greenhouse gas emissions from new construction by 50 percent by 2030	
Adoption of Architecture 2030 standards as state building code.	Adoption of standards by 2018	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Incentives offered by City of Eugene and EWEB	Revise and expand incentives by 2012	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Incentives offered by City of Eugene and EWEB	Revise and expand incentives by 2012	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Identification and reduction of barriers; annual use of on-site renewables.		(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Downtown net metering available.	Net metering available by 2016	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Financing options available.		
Code updated	Update code by 2013	(FF)Aids in investment in onsite renewables reducing reliance on natural gas to generate electricity.
Number of projects completed.	At least one project complete by 2015	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Number of projects developed.	At least one developed by 2015	(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Incentives or other encouragement available		Improves livability of homes during extreme weather events. Reduces cost of home operation when fossil fuel prices rise.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

<b>Suggested Measures</b>	<b>Suggested Targets</b>	<b>Adaptation Explanation</b>
Adopted COE legislative policies include climate change/building code elements.		
		(FF)Reduces reliance on natural gas to generate electricity. (CC)Increased efficiency can reduce energy demand (and cost) during extreme summertime heat events.
Dollars spent for water conservation education. Numbers of customers reached. Water use per capita.		reduces demand on freshwater resources, that are expected to decline during summer drought under climate change conditions.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
	Develop official target and measurement by December 2011.	
Number of consumers aware of campaign.	Create and begin campaign in 2011.	Increased demand for foods that require fewer fossil fuels is likely to dampen inflationary affect on food of rising fuel prices
"Climate Friendly" defined; number of institutions with "buy climate friendly first" purchasing policy.	Create policy for City of Eugene by December 2011.	Increased demand for foods that require fewer fossil fuels is likely to dampen inflationary affect on food of rising fuel prices
	Develop official target and measurement by December 2011.	
		Likely to reduce dependence on fossil fuels in agricultural systems
Progress toward, or implementation of, pilot project (public or private).	Create pilot project by 2015.	If implemented long term, additional energy supply will help reduce dependence on fossil fuel and hydro power for electricity generation
		Retaining prime farmland will help increase resilience of local food systems
Assessment of existing land use code protections; strategies for increased protections.		Retaining prime farmland will help increase resilience of local food systems
		Retaining prime farmland will help increase resilience of local food systems
Adopted COE legislative policies include farmland protections.		Retaining prime farmland will help increase resilience of local food systems

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
This action was completed in Spring 2010; liaison has been identified and retained.		Helps to increase home-based food production and resilience
Progress toward, or completion of, assessment.	Complete assessment by 2013.	Identifies the next steps needed to increase resilience in local food systems.
Progress toward, or completion of, updated plan.	By August 2011, coordinate with City of Eugene Risk Services to set formal target date for this action.	
New drought tolerant crops planted ; seed available to local growers.	Ongoing	Increases the odds that some crops will survive extreme weather events and adds to the available food should a food shortage take place.
Methods of support and support provided		
		Likely to increase resilience in local food systems.
Barriers identified and reduced. Strategies for working with state.		Reduces use of freshwater, a resource likely to be diminished with climate change.
Barriers identified & reduced; acreage of community gardens reported through self-reporting residents, non-profit activities, and City programs		Done at a large scale, this could reduce reliance on imported food crops and provide inexpensive food reserves.
Completion of assessment.		

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

<b>Suggested Measures</b>	<b>Suggested Targets</b>	<b>Adaptation Explanation</b>
Numbers of new food-bearing trees planted on public and private land through self-reporting residents and non-profit activities and City programs.		Done at a large scale, this could reduce reliance on imported food crops and provide inexpensive food reserves.
Code review completion; recommendations and revisions complete.	Initial work session with Eugene City Council: 9/8/10.	Done at a large scale, this could reduce reliance on imported food crops and provide inexpensive food reserves.

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<b>Suggested Measures</b>	<b>Suggested Targets</b>	<b>Adaptation Explanation</b>
Gasoline and Diesel fuel consumed total and per capita.	Target set: Reduce community wide fossil fuel use 50 percent by 2030.	
Concept incorporation into plans.	Incorporate into plans during planning processes in 2010 and 2011.	20 minute neighborhoods would reduce reliance on fossil fuels - increasing community resilience when fuel prices rise.
Completion of plan.	Complete by 2013.	20 minute neighborhoods would reduce reliance on fossil fuels - increasing community resilience when fuel prices rise.
Funding identified.	Complete by 2013.	20 minute neighborhoods would reduce reliance on fossil fuels - increasing community resilience when fuel prices rise.
Key components listed.	Complete by 2013.	20 minute neighborhoods would reduce reliance on fossil fuels - increasing community resilience when fuel prices rise.
Gap analysis completion.	Complete by 2013.	20 minute neighborhoods would reduce reliance on fossil fuels - increasing community resilience when fuel prices rise.
To be identified in Envision Eugene process.	Create regular benchmarks through the Envision Eugene process that will determine if density goals are being met.	Aids in adapting to high fuel prices by reducing dependance on fossil fuel for transportation. Reducing sprawl also appears to reduce extreme heat events.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

<b>Suggested Measures</b>	<b>Suggested Targets</b>	<b>Adaptation Explanation</b>
Targets are set and annual monitoring is in place.	Targets set by December 2011.	Aids in anticipating community changes and needs due to climate refugees.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Plan underway summer 2010; completion of plan.	Complete by June 2011.	Aids in adapting to high fuel prices by reducing dependance on fossil fuel for transportation. Reducing sprawl also appears to reduce extreme heat events.
Included in plan.	Complete by June 2011.	
Included in plan.	Complete by June 2011.	
Included in plan.	Complete by June 2011.	
Included in plan.	Complete by June 2011.	
Miles of bike boulevards and shared-use paths; number of intersections in system of shared use paths and bike boulevards.	Improve connectivity as detailed in the 2011 Pedestrian and Bicycle Master Plan.	Reduces dependance on fossil fuel for transportation.
Transportation System Plan contains complete streets policy.	Incorporate into Transportation System Plan during update beginning 2010.	Reduces dependance on fossil fuel for transportation.
	Increase number of choice riders by 2 percent per year (from The LTD road map).	
Sources of funding; percent of operating costs covered by payroll tax; stability of operational funding.	By 2012 set an official target to shift the percentage of operating funds away from payroll taxes by x amount by x year. Coordinate target development with LTD.	Reduces dependance on fossil fuel for transportation
	Align during Transportation System Plan update beginning 2010, and LTD planning, when it takes place.	Reduces dependance on fossil fuel for transportation

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<b>Suggested Measures</b>	<b>Suggested Targets</b>	<b>Adaptation Explanation</b>
Locations identified; setbacks created; incorporation into Transportation System Plan.	Incorporate in Transportation System Plan update beginning Summer, 2010.	Reduces dependence on fossil fuel for transportation
GHG reduction potential determined	Determine GHG reductions possible by 2012.	Reduces dependence on fossil fuel for transportation
		Reduces dependence on fossil fuel for transportation.
	By August 2011. partner with LTD to set a formal target and measures.	Reduces dependence on fossil fuel for transportation.
Percent of City of Eugene and LTD fleets propelled by internal combustion, hybrid, electricity, or other alternative.	Reduce the number vehicles propelled strictly by internal combustion 20 percent by 2020.	Reduces dependence on fossil fuel for transportation.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Percent of trips taken using each mode; number of residents or businesses reached; VMT avoided; dollars spent on Transportation Demand Management.	Increase rideshare in community by 3 percent per year (from LTD roadmap).	Reduces dependance on fossil fuel for transportation.
Dollars spent to promote fuel-efficient driving; number of residents of businesses reached.		Reduces amount of fossil fuel needed transportation.
Incorporation of freight efficiency into transportation planning efforts.	Incorporate during relevant planning efforts including the Transportation System Plan update beginning in 2010.	
Connectivity of freight routes; efficiency measures included.	Incorporate during relevant planning efforts including the Transportation System Plan update beginning in 2010.	
Number of electric vehicles purchased for municipal fleets.		
Number of public charging stations installed in homes and in public spaces.	As part of USDOE grant, complete first round of installations in Eugene and Springfield by March, 2011.	
Requirement adopted.		

\$ = \$0 - \$99,000  
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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Research conducted.	Complete research by 2013.	

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## APPENDIX 1: COMPILED PRIORITY ACTION ITEMS

Suggested Measures	Suggested Targets	Adaptation Explanation
DEQ Material Recovery and Waste Generation Survey	By 2020, reduce per capita solid waste generated by 25 percent from 2008 level of 2,709 lbs. per person.	
Number of residents reached with campaign; tons of solid waste produced per capita (a surrogate for consumption rate).	By August, 2011, set a target for numbers of homes to reach each year.	
Number of residents reached with campaign; tons of solid waste produced per capita (a surrogate for consumption rate); numbers of self-reporting organizations who have changed practices.	By August, 2011, set a target for numbers of homes to reach each year.	
Adopted COE legislative policies include product labeling elements.	Include in legislative priorities as soon as there is a potential for legislative success.	
Locations where information is available; numbers of residents reached.		Reduced electricity use reduces demand on hydroelectric generation.
Adopted COE legislative policies include product stewardship elements.	Include in legislative priorities as soon as there is a potential for legislative success.	
DEQ Material Recovery and Waste Generation Survey.	<b>Target set:</b> By 2020, recover 75 percent of all solid waste generated.	
Number of residents and businesses reached.		
Ordinance in place; waste recovery rate from commercial and multi-family buildings.	By 2020, recover 75 percent of all solid waste generated.	
Number of businesses being assisted	Five percent of businesses each year.	

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Ordinance enacted	Create a formal completion target by December 2010.	
Tons of organic material disposed in landfill from waste composition study.	Decrease total amount of organic material being disposed in landfill by 50 percent by 2020	
Collection program developed		
Pilot project conducted	Conduct pilot by 2020.	Provides a locally sourced, clean burning renewable energy supply - reducing vulnerability to volatile fuel prices

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Identified priority measures		
Completion of study	Complete study by 2013.	
Identify measures as part of this action (b, below)	Set targets as part of this action (a, below).	
Quantity purchased (directly or through contracts) of goods identified in step b.	Show annual decrease in purchase of identified goods by 2014.	The price of high-GHG materials such as asphalt, concrete, and steel fluxuate with the price of oil. Reducing the demand for these items reduces budgetary impacts of rising fuel prices.
		The price of high-GHG materials such as asphalt, concrete, and steel fluxuate with the price of oil. Reducing the demand for these items reduces budgetary impacts of rising fuel prices.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Tons of City waste avoided; tons of waste diverted from the landfill.	<b>Target set:</b> increase volume of waste diverted from landfill from internal operations to 75 percent by 2014 and 90 percent by 2020.	

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Completion of assessment	Conduct assessment by the end of 2012.	Aids in understanding vulnerabilities to climate change and increasing fuel prices so vulnerabilities can be addressed.
Completion of cost estimate/analysis		
Completion of needs assesment		
Records of plan revisions		
Capacity, extent of network, and funding of local hunger relief systems.		Increases resilience to food shortages due to climate- or energy-related disruptions to food supply.
Development of plan.		
Plans reviewed; revisions made		

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

<b>Suggested Measures</b>	<b>Suggested Targets</b>	<b>Adaptation Explanation</b>
Incentives or funding available; incentives or funding provided		Reduces exposure of low income populations to spikes in natural gas prices.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
		Reduces risk of structural fires when climate change produces increased risk of wildland fires.
Dollars or other resources spent locally to educate homeowners about creating defensible space; numbers of residents reached.		
Number of essential service facilities removed from 100 year flood zone.		Helps maintain essential emergency, health, and social services during flooding events that are expected to increase with climate change.
Services identified	By 2012	
Plan completion	Ongoing	
		Increases community awareness of risks allowing residents to be better prepared.
		Helps health systems to be better prepared for changes due to climate and rising fuel prices.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Dollars or other resources used to purchase land or otherwise protect water resources		Increases resilience of urban natural systems by reducing flooding, improving water quality, and increasing or improving wildlife habitat
Municipal urban forestry management plans updated and accomodating new elements.		Increases the resilience of urban trees by proactively planning for the more broadly defined urban forest.
Barriers to LID identified and removed		Increases resilience of urban vegetation by protecting soils and protecting natural site hydrology. Reduces urban local flooding.
Completion of inventory and accessibility of information.		Provides tools for quicker response and informed decision making to increase adaptability of natural systems and resource management programs
Vegetation management plans updated.		Reduces risks presented by forest fires - a risk expected to increase with climate change
Dollars and other resources spent to provide educational resources to students, teachers, residents, and businesses.		Increases community value of natural resources that important to community resilience.

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**APPENDIX 1: COMPILED PRIORITY ACTION ITEMS**

Suggested Measures	Suggested Targets	Adaptation Explanation
Water quality measures collected by Oregon Department of Environmental Quality and the City of Eugene.	Avoid degradation of water quality across the urban area.	Managing for this broad variety of objectives increases the resiliency of natural systems by cleaning stormwater, reducing local flooding, and improving wildlife habitat
Complete when a program is established and operational resources are identified.	Develop and begin program by 2015.	Reduces peak stream flows and localized flooding -which are expected to increase with climate change
Dollars spent by municipalities and non-profits on tree preservation and maintenance. Number of trees planted annually by municipalities and non-profits.		New and existing trees cool the urban area (streets, waterways, buildings) - reducing urban summertime peak temperatures. Trees reduce local flooding during rain events by intercepting rainfall. Trees sequester carbon from the atmosphere.
Dollars spent on invasive weed control; acres treated.		Existing trees cool the urban area (streets, waterways, buildings) - reducing urban summertime peak temperatures. Trees reduce local flooding during rain events by intercepting rainfall. Trees sequester carbon from the atmosphere.
Incentives to plant trees available to residents, businesses, and others	Identify and implement incentives by 2013	New trees cool the urban area (streets, waterways, buildings) - reducing urban summertime peak temperatures. Trees reduce local flooding during rain events by intercepting rainfall. Trees sequester carbon from the atmosphere.
See buildings and energy section		Reduces demand for fresh water, the availability of which is expected to decrease with climate change
		Protects fresh water supply - the availability of which is expected to decrease with climate change

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