

CLIMATE ACTION PLAN 2.0 – LLS Meeting 2

Buildings and Energy



Mitigation heavy. Adaptation light.

What can be done to reduce the need for building energy (efficiency and weatherization), what can be done to source renewable and low carbon energy onsite or offsite, and what can be done that will keep people more comfortable and safe given future physical conditions?

Wednesday, November 14, 2018 – 10 a.m.-12 p.m.
Lane Community College Mary Spilde Downtown Center, Room 402
101 W 10th Ave, Eugene, Oregon 97401

1. Welcome, Introductions (15 minutes)
2. Mitigation Analysis: Process, Results, and Questions (45 minutes)
3. Break (5 minutes)
4. Chapter Specific Data, Q&A (20 minutes)
5. Equity Panel and Public Outreach (10 minutes)
 - a. Equity Panel and Outreach Plan
 - b. Are there questions you would like the equity panel to consider as they review this data? (See equity lens)
 - c. What would you like to learn from these outreach processes?
6. Closing Thoughts (10 minutes)





Eugene's Triple Bottom Line Vision

As we work to implement the City of Eugene's Climate Recovery Ordinance and to increase our community's resiliency towards climate change, we will be using the City Council's vision to guide our work. The vision describes the three legs of the Triple Bottom Line framework.

Social Equity

Value all people, encouraging respect and appreciation for diversity, equity, justice, and social well-being. We recognize and appreciate our differences and embrace our common humanity as the source of our strength.

Environmental Stewardship

Be responsible stewards of our physical assets and natural resources. We will sustain our clean air and water, beautiful parks and open spaces, and livable and safe neighborhoods; and foster a vibrant downtown, including a stable infrastructure.

Economic Prosperity

Encourage a strong, sustainable and vibrant economy, fully utilizing our educational and cultural assets, so that every person has an opportunity to achieve financial security.

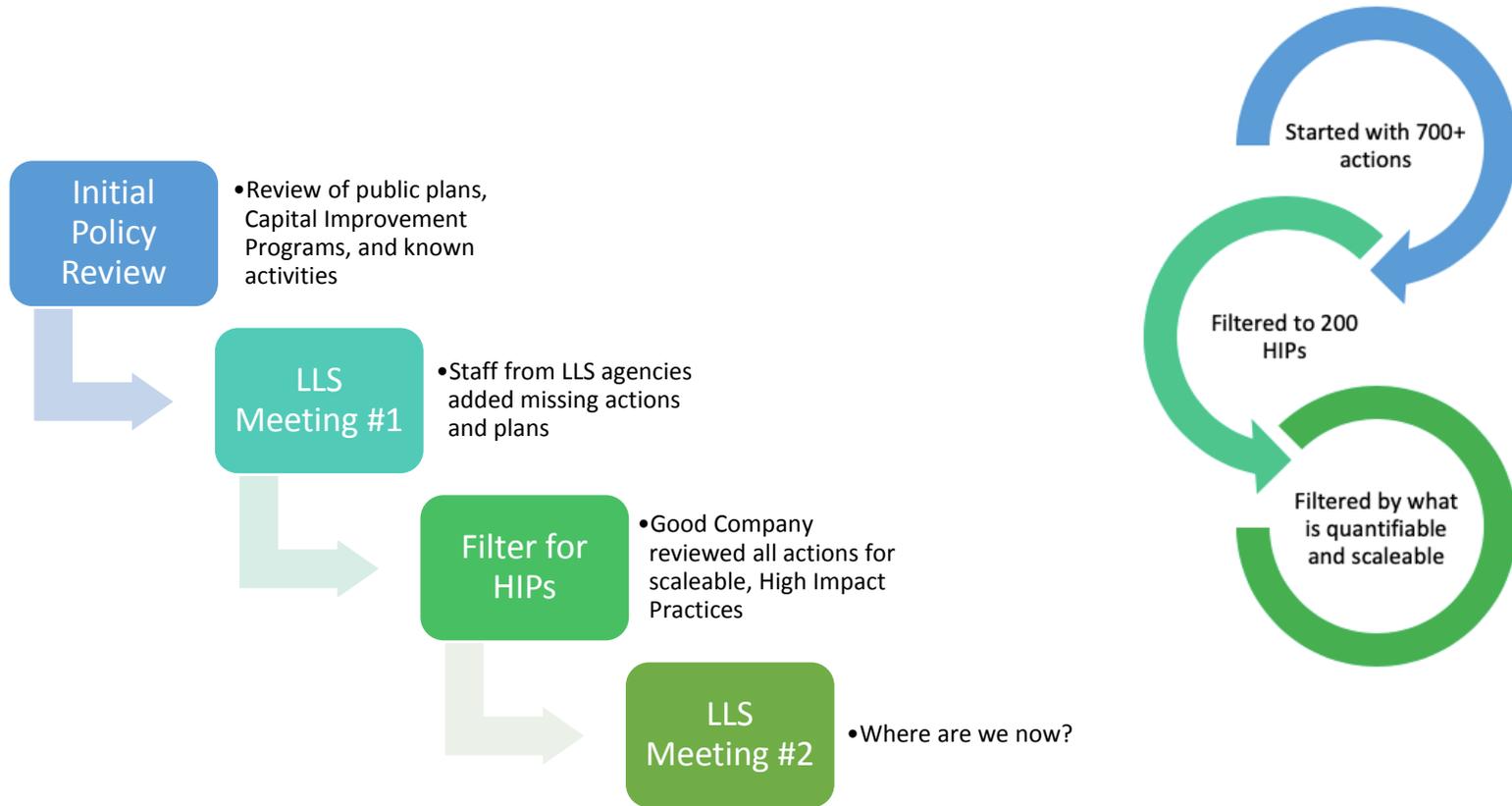
CAP Social Equity Lens

The project team has identified the need to pay special attention to social equity throughout the CAP2.0. The following guiding questions are meant to support the project work in deepening the integration of social equity principles through the process and outcomes of the work.

Guiding Questions:

1. Who are the most vulnerable and underserved communities impacted by this decision? How will our decision impact these communities?
2. Does the decision being made ignore or worsen existing disparities or produce other unintended consequences?
3. If there is an investment or resource allocation, how does that advance the social equity leg of the Triple Bottom Line?
4. What are the opportunities and barriers to more equitable outcomes? (e.g. mandated, political, emotional, financial, programmatic or managerial)
5. How have we intentionally involved stakeholders, impacted communities, technical experts, and other community members affected by this decision? Who else do we need to invite?
6. What's the mechanism for including more voices throughout the process?
7. How will we modify or enhance our strategies to ensure impacted and vulnerable communities' individual and cultural needs are met?
8. Do we have the data we need to understand which communities might be impacted? Can we effectively collect data on impacted or vulnerable communities for this decision or investment?

Agency Plan Review Process



Plans and Major Activities by Agency

These plans and major activities were reviewed in collaboration with LLS agencies. As additional information becomes available, the list will grow.

	Measured Mitigation High Impact Practices	Other reviewed plans <i>(not individually scalable, lower impact, or adaptation-only)</i>
	<ul style="list-style-type: none"> Eugene 2035 Transportation System Plan Food Materials Management City Operational Reductions Roads Materials Management 2,021 for 2021 Tree Planting and Urban Forest 	<ul style="list-style-type: none"> Envision Eugene and the 2012 Recommendation <i>Future item: Remaining Envision Eugene chapters*</i>
	<ul style="list-style-type: none"> Participation in Love Food Not Waste** Participation in Safe Routes to School** 	
	<ul style="list-style-type: none"> Participation in Love Food Not Waste** Participation in Safe Routes to School** 	<ul style="list-style-type: none"> Long-Range Facility Plan Update and Related Bond Measure Potential School Bus Replacements
	<ul style="list-style-type: none"> Electricity Generation and Future Resource/Energy Portfolio planning Future Energy Conservation Operational Facilities Climate Action Operational Fleet Climate Action 	<ul style="list-style-type: none"> 10-Year Capital Improvement Plans Integrated Electric Resource Plan & Updates Strategic Plan (2017-2020) Revisions to SD15, Board Climate Change Policy
	<ul style="list-style-type: none"> Climate Action Plan Goal (draft) 	<ul style="list-style-type: none"> <i>Future item: Updated Climate Action Plan (CAP)</i> <i>Future item: Updated Transportation System Plan*</i>
	<ul style="list-style-type: none"> Materials Management: Solid Waste Master Plan Recovery Goal 	
	<p><i>Mitigation impact is scaled as part of community transportation mode changes in TSP</i></p>	<ul style="list-style-type: none"> Fleets & Fuels (data not yet available) Route Efficiency (data not yet available) Community Investment Plan 2019-2028 Long-Range Transit Plan (LRTP)
	<ul style="list-style-type: none"> Wastewater Biogas to Fuels (with NWN) 	<ul style="list-style-type: none"> Regional Wastewater 5-Year Capital Programs <i>Future item: Resilience Plan*</i>
	<ul style="list-style-type: none"> Low Carbon Pathways Smart Energy Program (5% participation) Future Conservation Upstream Emissions Reductions Wastewater Biogas to Fuels (with MWMC) 	
	<ul style="list-style-type: none"> Participation in waste/food reduction practices** 	<ul style="list-style-type: none"> PeaceHealth Rides Disaster planning drills and training Variety of community services (see TBL practices)
	<ul style="list-style-type: none"> Executive Order 17-20: Oregon Net-Zero Building Code Executive Order 17-21: Electric Vehicles** 	<ul style="list-style-type: none"> HB 2017 Transportation Bill: Keep Oregon Moving and Additional Gas Tax Allocation**
		<ul style="list-style-type: none"> <i>Future item: Climate Action Plan (CAP)*</i>
		<p>Partnerships:</p> <ul style="list-style-type: none"> LTD/City of Eugene: MovingAhead Eugene-Springfield: Natural Hazards Mitigation Plan

*Plan is not yet completed or reviewed, but of interest.

**Mitigation impact is scaled in combination with other like items.

High Impact Practices

NOT ALL ITEMS WERE SCALED – SEVERAL ITEMS WERE SCALED IN COMBINATION WITH OTHER LIKE ITEMS.

Buildings, and Energy

City of Eugene

- Facilities (internal) – Fuel switching: Overall strategy to move from natural gas to electricity for water and space heating

Envision Eugene March 2012 Recommendations:

- Take full advantage of energy efficiency opportunities in retrofits and renovations to existing buildings as a form of energy efficient redevelopment.
- Future policy decisions should support the Pedestrian and Bicycle Master Plan and the Eugene Transportation System Plan, and facilitate collaboration with Lane Transit District (LTD) to complete the EmX bus rapid transit system, and efforts to encourage existing and new homes and businesses to be energy efficient.
- As redevelopment occurs, facilitate local generation of renewable energy and low-carbon transportation options.
- Plan for changes in electricity generation and distribution methods and the resulting effects on land use.

Eugene School District 4J

- Replace Camas Ridge Elementary School, Edison Elementary School, and North Eugene High School (pending bond measure)
- Renovate an older building for new educational uses (Renovate one of the existing elementary facilities that are currently in reserve in south central Eugene or in southwest Eugene) (pending bond measure)

Eugene Water & Electric Board

- Electricity Generation and Future Resource/Energy Portfolio planning
- Future Energy Conservation
- Operational Climate Action
- SD15, Board Climate Change Policy
- Greenpower program with carbon offset component
- Efficiency Incentives

Lane Community College

- Climate Action Plan Goal (draft): Decrease energy use by 2% percent per year

Northwest Natural Gas

- Future Conservation
- Upstream Emissions Reductions
- Low Carbon Pathway: 30% Carbon Savings by 2035 [from 2015 emissions associated with customers' gas use and company operations]
- Reduce and Offset Consumption: Energy Efficiency
- Reduce and Offset Consumption: Smart Energy (Voluntary Offsets)

State of Oregon

- Executive Order No. 17-20 Net-Zero Energy Buildings

University of Oregon

- Climate Action Plan Update (not yet available)

Triple Bottom Line Practices

These actions have social equity, health, economic and/or adaptation benefits, sometimes in addition to low or moderate mitigation impacts. Some actions may have been scaled in aggregate with related items from other agencies, and others were not scalable.

Buildings, and Energy

City of Eugene

- Clean technology and renewable energy. Support the development of an industry cluster in renewable energy and clean technology.

Eugene Water & Electric Board

- Business growth & smart growth: incentives for using electricity in place of fossil fuels
- Considering lower SDC for tiny homes
- AMI water meters & leak detection to decrease water loss
- Energy Education
- Low Impact program with low flow showerheads/energy audit
- Looking at summer energy supply (solar and battery)
- Smart Electrification initiatives throughout the EWEB service territory
- Work with Electrify America
- Working on increasing reach of zero interest energy conservation loans & low-income programs

Lane Community College

- Increase the use of satellite centers and offerings of online hybrid classes (access)
- Promote education and awareness on energy efficiency
- Campus Learning Laboratory: solar training lab
- Infusion of Sustainability Across the Curriculum
- Sustainability Education in Targeted Areas and Sustainability-Focused Courses