

350 Eugene's Action Priorities for City of Eugene Climate Action Plan



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Introduction:

This report comprises Action Priorities for Eugene’s Climate Action Plan 2.0 (CAP) identified from a community perspective. It was compiled by a citizens’ work group, in conjunction with 350 Eugene’s Drawdown campaign. Our intention is to provide input to the City of Eugene (COE) CAP development process.

Our goal was to prioritize actions that would make substantial contributions to greenhouse gas emission (GHGE) reductions in Eugene. The Priority Actions are stated in measurable terms, as Objectives. Good Company could do the computations to determine whether this mix of Objectives would deliver the emission reductions needed to meet the CRO goals.

ACTION PRIORITIES (see Objectives below)

- 1. Increase energy conservation & efficiency**
- 2. Increase EWEB’s solar/wind supply and storage capacity**
- 3. Increase non-utility-owned renewable energy production**
- 4. Decrease natural gas use to zero**
- 5. Decrease emissions from large industries**
- 6. Achieve net-zero energy construction of all new buildings**
- 7. Plan for compact development**
- 8. Increase use of active transportation and transit; decrease the use of personal automobiles**
- 9. Increase use of electric vehicles**
- 10. Reduce Food and Beverages-related emissions**
- 11. Reduce Services, Healthcare and Clothing-related emissions**
- 12. Reduce emissions from business and industry supply chain**
- 13. Reduce waste sent to landfill**
- 14. Involve all sectors of the community in implementing the CAP Objectives**
- 15. Collaborate with Lane County, Springfield for emissions reductions in interconnected systems**

A work group of eight with a core of four writers drafted the Priorities. The group reviewed CAPs developed by other cities.¹ We consulted guidance documents from Rocky Mountain Institute , C40 Cities, UN Habitat, the State of California, and the NAACP, among others.² We researched the Action Priorities and included recommendations that other agencies have made to Eugene.³

Many ideas for Action Steps to achieve the Objectives were also captured. We recognize these lists are not comprehensive. We did not systematically solicit Action Steps from outside our small work group. The Action Steps are intentionally left in a “raw” state, the way they were received, to provide the City with insight into how community members are thinking about the implementation steps that will be necessary to meet the CAP objectives.

We envision this to be a “living document”. How it might be used by 350 Eugene, the community at large and COE can be determined at a future time.

1 Other CAPs reviewed include Portland, Corvallis, Bend, Ashland, Berkeley, Emeryville, Baltimore, Detroit, and others

2. Guidance documents consulted include RMI *Carbon-Free Cities Handbook*, C40 Cities *Focused Acceleration* document, UN Habitat *Guiding Principles for City Climate Action Planning*, California Governor’s *Climate Change Pillars for 2030*, and NAACP *Oregon Energy Justice Snapshot*.

3. ODEQ: *Community Climate Action - Materials Management Planning: A How-To Guide for Communities based on Eugene, Oregon’s Experience*; Eugene’s Transportation System Plan; Envision Eugene Plan

SECTION I: ENERGY, BUILDINGS and MATERIALS, AND LAND USE

Action Priorities with OBJECTIVES

Energy

Increase energy conservation & efficiency

Objective 1: By January 2030, emissions from buildings will be decreased by 30%, using conservation and efficiency interventions

Objective 2: By January 2021, develop a program of ongoing energy performance assessment for residences and businesses in Eugene, and implementation of conservation and efficiency strategies to lower GHGE

Increase EWEB's solar/wind supply and storage capacity

Objective 3: By January 2030, 40% of EWEB's electricity supply will be obtained from non-fossil-fuel, non-nuclear, non-hydro renewable sources (e.g. solar, wind), with backup for intermittency from storage or other non-fossil fuel source

Increase non-utility-owned renewable energy production

Objective 4: By January 2021, Eugene will complete a *Plan for Distributed Energy Options for Residents and Businesses*, to be implemented 2021-2030.

Decrease natural gas use

Objective 5: By January 2030, emissions from natural gas use (including Residential, and Commercial and Industrial) will be reduced to zero.

Decrease emissions from large industries

Objective 6: The City and County will develop a plan to cap carbon emissions for the largest industrial emitters, and Council will pass the necessary regulations in 2020-2021.

Building and Materials

Achieve net-zero energy construction of all new buildings

Objective 7: By January 2030, all new commercial, retail and residential buildings in Eugene will achieve net-zero energy parameters, as established by new COE codes

Land Use

Plan for compact development

Objective 8: By January 2030, prioritize compact development to align with Envision Eugene's Plan for mixed-use neighborhoods in the downtown and along Eugene's six corridors for multifamily housing and new commercial development. This plan should include reduction in car-centric means of transportation within COE.

Action Items, by Objective

Increase energy conservation & efficiency

Objective 1: By January 2030, decrease GHGE from buildings by 30% from conservation and efficiency efforts

Objective 2: By January 2021, develop a program of ongoing energy performance assessment for residences and businesses in Eugene, and implementation of conservation and efficiency strategies to lower GHGE

1. Businesses

- a. Implement mandatory energy performance tracking and annual reporting program for commercial buildings
- b. Require larger (50+) businesses to be audited and make energy improvements to determined energy code requirements by 2023.
- c. Support energy efficiency improvements to small commercial buildings, especially in under-served communities.

- d. Water conservation esp hot water (embodied energy)
2. Residences
 - a. Energy Audit/ efficiency audits/home energy scores for houses and multi-unit buildings, with Improvement targets
 - b. Create a timeline for participation: Prioritization? Homes at time of sale first; phase in for other residences
 - c. Reduce clothes dryer use (use drying racks)
 - d. Reduce dishwasher use (wash by hand)
 - e. Lower home heating temp
 3. Develop program for rentals, customized Energy Efficiency Reports
 4. Content
 - a. Insulation
 - b. LED lighting, (provide for rentals and low income housing)
 - c. Windows
 - d. Green roofs
 - e. Solar possibilities
 - f. Funding for upgrades
 5. Begin implementation by 2021
 6. Regular reassessments
 7. Recommend changes to building codes/track and fully implement code changes coming from the State. Implement our own if State delays.
 8. Work with EWEB to offer incentives for purchasing electric heat pumps, electric water heaters, electric stoves

Increase EWEB’s solar/wind supply and storage capacity

Objective 3: By January 2030, 40% of EWEB’s electricity supply will be obtained from non-nuclear, non-hydro renewable sources (e.g. solar, wind)

1. COE will coordinate with EWEB as they make new contracts for their supply by 2028.
2. Plan needs to include how to have emergency expansion from hydro to other renewable sources when drought years reduce the energy potential of today’s hydro sources.

Increase non-utility owned renewable energy production

Objective 4: By January 2021, Eugene will complete a *Plan for Distributed Energy Options for Residents and Businesses*, to be implemented 2021-2030.

3. Research and prioritize options for expanding disseminated non-utility-owned renewable energy production
 - a. Local solar enterprises, prioritizing minority-owned enterprises (MBE)
 - i. Incentives for local installers and in-state manufactured content
 - ii. Quota for government-assisted construction project employers to hire a percentage of workers locally
 - iii. Bidding preferences for companies that hire a percentage of their employees in-state for government-assisted projects
 - iv. Provide training opportunities for local workers
 - v. Notify MBE of solar contract and related business opportunities with COE
 - b. Offer funding options
 - c. Work with Energy Trust of Oregon to tap into their resources (why are only Portland General Electric or Pacific Power customers eligible for help with solar?)

- d. If Energy Trust funds cannot subsidize Lane County utilities due to coop nature, than COE needs to consider finding tax solutions (large business, utility bills, prop tax) to fund incentives for local solar development as is done in Portland.
- 4. Create Portfolio of options for residents and businesses
 - a. Promote solar installations on big buildings
 - b. Promote solar investment: businesses and residents
 - c. Wind turbines
 - d. Community-owned off-site solar and wind farms

Decrease natural gas use

Objective 5: By January 2030, emissions from natural gas use (including Residential, and Commercial and Industrial) will be reduced to zero

- 9. No new gas customers/expansion in Eugene starting ASAP
- 10. Incentivize switching from natural gas to all electric – EWEB and City
 - a. Promote incentives EWEB has now (heat pump and more), increase publicity
 - b. Increase financial incentives to electrify
- 11. No expansion into transportation sector
- 12. Regulation by City via Franchise Agreement or in other ways
- 13. Business workgroup to figure this out for Commercial and Industrial customers.
- 14. BIG community awareness and education piece

Decrease emissions from large industries

Objective 6: The City and County will develop a plan to cap carbon emissions for the largest industrial emitters, and Council will pass the necessary regulations by January 2021.

- 15. Emitters must formulate internal GHG reduction plans
- 16. Income from carbon fee would be used by COE for other GHG reduction programs

Achieve net-zero energy construction of all new buildings

Objective 7: By January 2030, all new commercial, retail and residential buildings in Eugene will achieve net-zero energy parameters, as established by new COE codes

NOTE:a.-h are recommendations from DEQ/COE report from 2017

- a. Request environmental product disclosures (EPD) from concrete vendors to inform selection of concrete mix design
- b. Substitute supplementary cementitious materials (SCM) for Portland cement
- c. Substitute reclaimed asphalt pavement (RAP) and shingles (RAS) for virgin materials
- d. Substitute warm-mix asphalt for hot-mix asphalt
- e. Define infrastructure needs for additional reused building material extended life and recovery and compete for ODEQ grants as appropriate
- f. Encourage whole building reuse, as appropriate
- g. Require that all construction and demolition waste materials to be sorted for reusable or recyclable materials
- h. Increase community deconstruction activity

Plan for compact development

Objective 8: By January 2030, prioritize compact development to align with Envision Eugene’s Plan for mixed-use neighborhoods in the downtown and along Eugene’s six corridors for multifamily housing and new commercial development.

21. Incorporate recommendations for Local Hiring from NAACP’s Oregon Energy Justice Snapshot, May 2017

- A. Quota for government-assisted construction project employers to hire a percentage of workers locally
 - B. Bidding preferences for companies that hire a percentage of their employees in-state for public works projects and service contracts

22. Incorporate recommendations regarding Minority Business Enterprises (MBE) from NAACP’s Oregon Energy Justice Snapshot, May 2017

- a. Provide training opportunities
- b. Notify MBE of local contract and related business opportunities
- c. Set aside funds for MBE

SECTION II: TRANSPORTATION

Action Priorities with OBJECTIVES

Increase use of active transportation and transit; decrease the use of personal automobiles

Objective 9: By the year 2035 triple the percentage of trips made on foot, by bicycle, and by transit from 2014 levels (Goal 5, Eugene 2035 Transportation System Plan: revise to align with CRO’s 2030 goals)

Objective 10: By June 2020, businesses with over 50 employees will develop a GHG reduction/ travel/commute policy and budget for their organizations

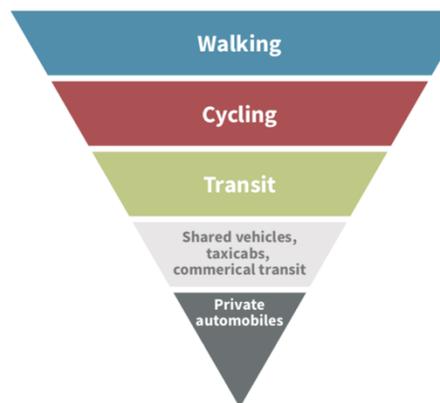
Increase use of Electric Vehicles

Objective 11: Electric vehicles will displace 25% of all miles driven by 2030, and 100% by 2050

Transportation hierarchy for people movement

The City will implement a hierarchy of modes for people movement by making transportation system decisions according to the following prioritization:

1. Walking
2. Cycling
3. Transit
4. Taxi, commercial transit, shared vehicles
5. Other private vehicles



Portland Climate Action Plan

Action Items

Increase use of active transportation and transit; decrease the use of personal automobiles

Objective 9: By the year 2035 triple the percentage of trips made on foot, by bicycle, and by transit from 2014 levels (Goal 5, Eugene 2035 Transportation System Plan; revise to align with CRO's 2030 goals)

1. Provide funding to implement and complete the actions in MoveEug Active Transportation Strategy, and the Eugene Transportation System Plan
2. Explore funding for a fareless bus system (e.g. Corvallis Transit System). In its first year of fareless operation, CTS ridership increased by 37.9%
3. Promote using PeaceHealth Rides (bike share) by paying for periodic free days, or make free altogether
4. Encourage citizens by making badges to be worn in the form of ankle and arm bands for using non-fossil fuel modes of transportation
5. Use websites such as drivelessconnect.com (already used in a statewide campaign) to log miles and keep track of personal metrics. There would be no financial cost to implementing logging miles since the website is already in place.
6. Examples of messages: Biking the Change, Walking the Change, Skating the Change, Public Transit for Change Or Be The Change: Bicycling, Be The Change: Walking...
7. Incentives for businesses to provide bus passes and bike share passes to employees

Objective 10: By June 2020, businesses with over 50 employees will develop a GHG reduction/travel/commute policy and budget for their organizations. A travel policy might include actions such as

1. No flying under 400 miles
2. Use teleconferencing for meetings especially in lieu of flying.
3. Provide technologies for, and a plan to implement, virtual meetings.
4. Decrease your company's fuel consumption by x% a year through the use of bicycles and bicycle messengers, hybrids and electric vehicles and virtual meetings.
5. Increase by x% a year the number of employees who commute to work by walking, biking, bus, carpool (include remote work-from-home employees)
6. Reward the use of active transportation (bicycling, walking, etc.) and public transportation to get to work.
7. Use positive peer pressure. Symbolize department and team unity for positive actions in the style of WWII Rosie the Riveter.
8. Require employees to log their work-time travel (including air travel) and use this data to encourage and reward moving away from fossil fuel usage.
9. Friendly competitions between work-teams or businesses to increase the use of alternative forms of transportation.

Increase use of Electric Vehicles

Objective 11: Electric vehicles (EV) will displace 25% of all miles driven by 2030, and 100% by 2050

1. Electric vehicle (passenger car) adoption must be equitable at all income levels.
2. Develop COE EV Action Plan (COE to work with EWEB, others?)
 - a. Infrastructure
 - b. Incentives
 - c. Public outreach and education
 - d. School buses and LTD buses
 - e. Large Lever Shareholders – need to sync with COE goals
3. Develop EV parking and charging infrastructure requirements in new and existing (public and private) parking facilities.

4. City should establish a priority order location for permitting EV charging stations.
5. LTD and City should determine how to fund and replace fossil fuel buses with Battery Electric Buses (BEBs)
6. Electric fire trucks and garbage trucks
7. Electrification of shared-use vehicles (e.g. Uber, Lyft), bikes and buses
8. High-density developments should require EV charging in their permitting
9. Free EV car share programs in multi-family buildings
10. Prioritize locations with fewer existing public charging stations
11. Prioritize locations with limited access to frequent transit and bike routes
12. Higher proportions of multifamily housing and garage-free homes
13. Large businesses with employees commuting long distances
14. Residents with higher average vehicle miles traveled
15. Destinations (recreation sites, event venues, etc.) people tend to travel longer distances to access
16. EV-Ready and Retrofits for Parking Facilities
17. Taxing gasoline vehicle registrations and putting funds towards incentives for low-income families to move to electric vehicles

Section III: CONSUMPTION AND WASTE MANAGEMENT

Action Priorities with OBJECTIVES

Reduce Food-Related Emissions

Objective 12: By January 2030, decrease emissions for Food and Beverages in Consumption-based inventory by 50%. (DEQ/COE: Shift calories from high carbon to low carbon food types, as appropriate for dietary requirements)

Reduce service, healthcare and clothing-related emissions

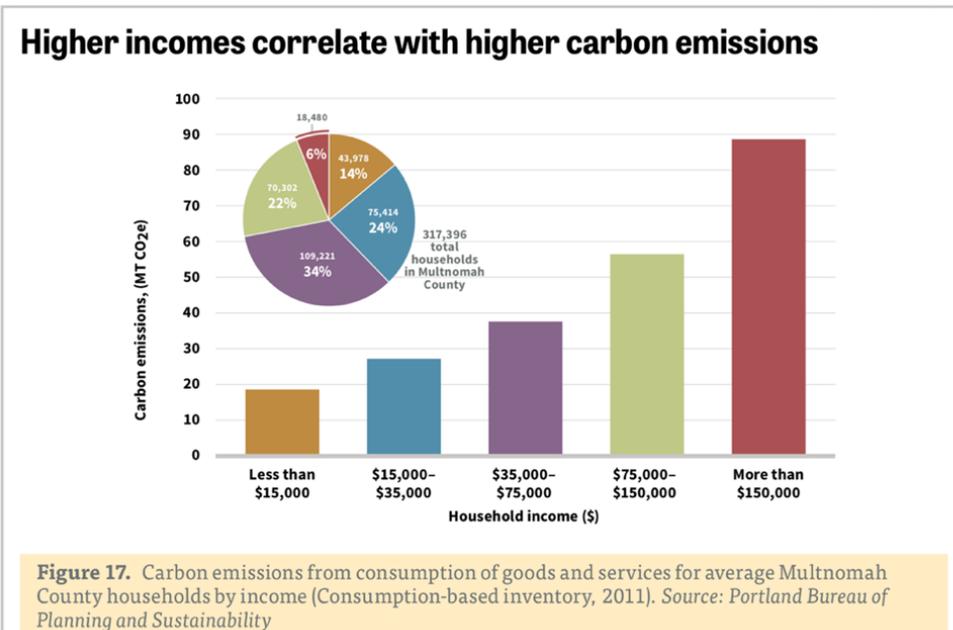
Objective 13: By January 2030, decrease emissions for Services, Healthcare, and Clothing in Consumption-based inventory by 50%.

Reduce Emissions Related to Business and Industry Supply Chain

Objective 14: By January 2030, decrease emissions from businesses’ consumption of goods and materials by 50%.

Reduce Waste Sent to Landfill

Objective 15: By January 2030, reduce waste sent to county facilities by 90%.



Food choice is a key factor in carbon emissions

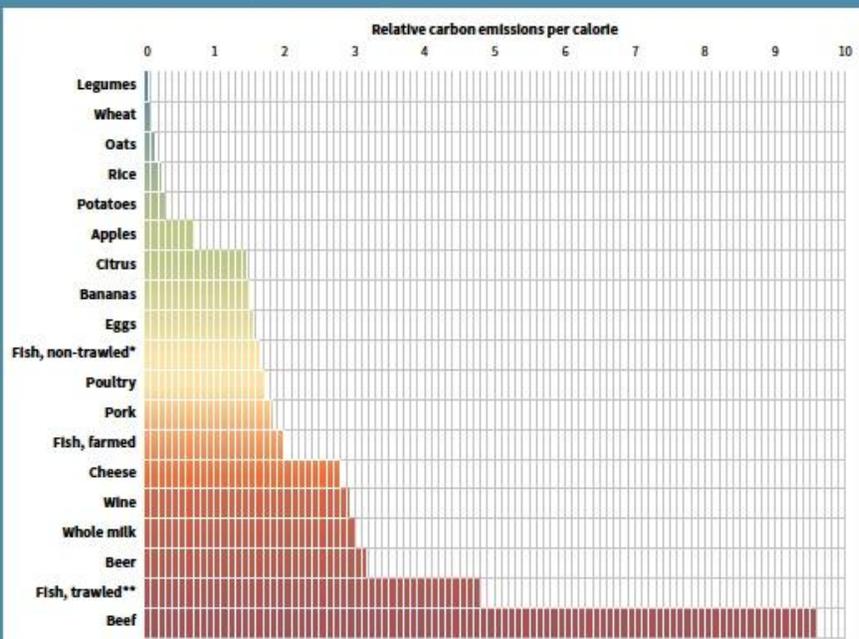


Figure 39. Carbon emissions from food choice, by calorie. Prepared by: Accuardi, Zachary (2016, forthcoming), see References for primary sources. *e.g., wild salmon **e.g., red snapper

Action Items

Reduce Food-Related Emissions

Objective 12: By January 2030, emissions for Food and Beverages in Consumption-based inventory will decrease by 50%. (DEQ/COE: Shift calories from high carbon to low carbon food types, as appropriate for dietary requirements)

1. For guidance: Obtain quantitative itemization of factors that contributed to this “bucket” in the 2017 Inventory from DEQ
2. Choose less carbon-intense food (Less red meat, dairy, beer and wine)
3. Color-coding system for making visible miles traveled for each food product
4. Education- eat everything you buy and prepare; compost as necessary; workshop/speaker on minimalism; eat locally grown & produced food
5. Request/demand bulk options at stores
6. Distribute bulk buying kits or DIY instructions for making a kit
7. Move food retail outlets to stop offering single use plastic beverage bottles
8. Community funding for educational programs
9. Educate children in schools about new eating choices
10. Curriculum for children about new eating choices/no waste
11. “No waste” hall of fame at local schools! Weigh lunch waste every day at school and track on visible poster in cafeteria
12. Compare carbon emissions for eating in restaurants to shopping and eating at home
13. Request that grocery stores work with suppliers: analyze packaging and freight to decrease carbon
14. Implement a "Buy climate-friendly first" food purchasing policy for public institutions - schools, hospitals, city and county governments.

15. Implement the following recommendations from Eugene’s Food Security Scoping and Resource Plan:
 - a. Identify City of Eugene liaison for food system related programming.
 - b. Start a Buy Local Food campaign – advertise everywhere! Make the most of new City Hall with new farmers market in its front yard at 8th/Oak!
 - c. Develop a comprehensive Community Food Security Assessment.
 - d. Develop an updated regional emergency food distribution plan that accounts for climate and energy based disruptions.
 - e. Increase the diversity and drought resistance of food crops grown in the upper Willamette Valley.
 - f. Support the efforts of non-profits, food growers, and state agencies to increase the diversity and drought resistance of food crops.
 - g. Prioritize development of vegetable protein crops such as beans and grains.
16. Expand community gardens on public, private, and community lands including City land, school campuses, and church properties.
17. 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.
18. Support local farms, farmers’ markets, neighborhood food buying clubs and food producers through incentives, consumer programs and marketing/promo.
19. Support local meat producers who use silvopasture (<https://www.drawdown.org/solutions/food/silvopasture>) practices through incentives, consumer programs and marketing/promo.

Reduce service, healthcare and clothing-related emissions

Objective 13: By January 2030, emissions for Services, Healthcare, and Clothing in Consumption-based inventory with decrease by 50%.

1. Pass the proposed ban on single-use containers, utensils and straws
2. Healthcare
 - a. Assess supply chain for places to save GHG
 - b. Get local hospitals on board with renewable energy mandate and much less hazardous waste
3. Clothing
 - a. Encourage donating and buying used clothing (and other items)
 - b. Encourage hemp production state-wide and local clothing production from hemp
 - c. Consider FreeCycle program city-wide, or FreeCycle Fairs
4. Services
 - a. Sports events - reduce waste and move to zero plastic!
 - b. For guidance: Obtain quantitative itemization of factors that contributed to this “bucket” in 2017 GHG Inventory from DEQ
 - c. Reduce plane travel

Reduce Emissions Related to Business and Industry Supply Chain

Objective 14: By January 2030, emissions from businesses' consumption of goods and materials will decrease by 50%.

1. By 2021, COE will develop an outreach, education and self-assessment process for all Eugene businesses.
2. Supply chain - reduce miles for sourced goods
3. Encourage B Corporation certification
4. Shipping - Mandate local businesses to use low carbon solutions for shipping
5. Motivate local businesses to LEAD in demonstrating low carbon business practices; encourage competition

Reduce Waste Sent to Landfill

Objective 15: By January 2030, reduce waste sent to county facilities by 90%.

1. Reduce, through education, marketing/promo, incentives and mandates
 - d. Decrease consumption: Buy less stuff, throw away less stuff
 - e. Less energy-intensive packaging
 - f. Zero plastic packaging mandate to all local stores
 - g. Buy bulk with personal containers
 - a. Circular economy models (end Take-Make-Discard model) - popularize this
 - b. Choose products with no/less packaging (especially plastic);
 - c. Put a limit on the amount of waste residents can send to the dump via garbage services; increase charges for excess waste.
2. Reuse
 - a. DEQ/COE: City and County to implement, locally appropriate education and outreach programs to support reuse, repair, and lifespan extension to support the requirements of SB 263 – community-at-large and in-school
 - b. DEQ/COE: Expand City-sponsored Fix-It Fairs to provide community access and education on local repair services and vendors
 - c. DEQ/COE: Support ToolBox Project, and similar innovative community reuse solutions, to expand shared resources
 - d. DEQ/COE: Focus on textiles and clothing (data collection and foundational research, increase collection of reusable textiles, shift consumption to durables, support clothing repair business, develop consumer skills)
 - e. DEQ/COE: Focus on furniture (data collection and foundational understanding, increase salvage events, shift consumption to durables, support furniture repair, reuse, and remanufacturing businesses)
3. Recycle/ Waste Management
 - a. Curbside composting & return compost to community at low cost for incorporation into yards
 - b. Allow only certain plastic types, to make recycling easier
 - c. Fix our recycling system. Evaluate robotic waste stream sorting technology!
 - d. Coordinate garbage/recycling services so they aren't traveling the same rounds
 - e. Explore conversion of food waste/organic material into biochar/other energy
 - f. DEQ/COE: Engage with supply chain about manure management lagoon practices of beef, dairy, and pork suppliers. Support local silvopasture practices.
 - g. EPUD collection of landfill methane to fuel homes? Improvement possible?

COMMUNITY PROMOTION, EDUCATION AND INVOLVEMENT

Objective 16: By June 2021, an operating plan for community promotion, education and involvement will be developed by staff. The plan will be evaluated and updated throughout the 10 year implementation period.

Action Items

1. Schools: K-12 schools
 - a. Incentivize/reward those who take actions to reduce GHGE; promote healthy competition; arm bands “Be the Change: Eat Local”,
 - b. Educate children in schools about new eating choices, no food waste, eating local, live without plastic campaign (toys, gadgets, packaging)
 - c. Assist K-12 schools to add climate education, renewable energy education, hands on learning projects, community service
 - d. Challenge students to think critically about how to solve some of our biggest issues and the urgency of the need for solutions
 - e. Science projects to monitor annual rain/snow fall, temperatures, healthy forests, clean water, clean air, environmental literacy
2. Residents of Eugene:
 - a. Property tax incentives/penalties
 - b. Energy efficiency audits/home energy scores of businesses & households; include improvement targets
3. Community:
 - a. Expand teaching around climate awareness & action at LCC & UO
 - b. Regular climate radio programming, newspaper columns
 - c. Involve large groups: neighborhood assoc., churches, etc
 - d. Consumer product labelling- show mileage, GHG contributions to foster better choices
4. Develop outreach and awareness campaign for behavior change
 - a. Enlist established community groups to help
 - b. Materials with What You Can Do At Home
 - c. Citizen (or Neighbor) Delegations to grocery stores, retail stores: evaluate and implement ideas for GHG/waste reduction
 - d. Peer Influencer outreach program
 - i. Restaurants that have successfully made changes
 - ii. Grocery stores that have successfully made changes
 - e. Class series like Let’s Talk Solutions being developed by 350 work group
5. City of Eugene:
 - a. Update CAP website to be more like Portland’s- inspiring, informative, useful
 - b. Create CAP Community Advisory Board or Commission to give input throughout 10-year implementation process. Prioritize representation from groups most affected by climate change.
 - c. Climate Action Plan Implementation Progress display in public place- Atrium?
 - d. Focus on side benefits- clean air, improved traffic flow, better health, jobs creation,
 - e. General promotion: need for emergency action, action options, what is actually happening
 - f. Create a highly visible ways to show progress in GHG reduction (like a thermometer going down) and solutions being implemented
 - g. Highlight benefits: improved quality of life, resiliency, saving \$
 - h. Roll out strategic community-wide GHG-lowering actions quarterly/monthly

- i. Advertising campaign- radio, TV, movie theater, bus side
- j. Include in public presentations/advertising:
- k. Publicize annual rainfall, temperature, snow pack (Oregon & Lane County numbers)
- l. Workshops/Speakers on Minimalism
- m. Bus Advertising on CAP, Minimalism, Buy Local
- n. Tree Planting
- o. Billboards along roadways
- p. "Be the Change" campaign

Collaboration with Springfield and Lane County

No city can function as an island. Eugene needs to shift focus, for better local resource management in the future, to more interdependence with Springfield, Lane County and State of Oregon.

1. Agriculture

- a. What crops will the future require? Hemp, beans and grains, less monocrops/more biodiverse crops
- b. What crops should be reduced? Christmas trees, grass seed,
- c. Irrigation - the future will require more irrigation of crops, how will that be factored into water use/rights/priorities?
- D. Strengthen local "food sheds" for local supply to all Lane County, including urban centers

2. Forestry

- a. Forest management is still mostly at Federal & State level - should it remain this way? Should Lane County, Eugene, Springfield push for more local management of forest resources and local use of those resources?
- b. Timber Industry - needs to respond to City/County interests
- c. Reforestation of formerly cleared farm land, non-productive farm land
- d. Fire prevention - brush clearing, prescribed burns

3. Watersheds

- a. Watershed Restoration - Healthy riparian ecosystems provide clean water; reduce forestry pollution to zero in watersheds;
- b. Flood protection - many dams in Lane County need restoration/earthquake retrofit

4. Healthy Biodiversity & Ecosystems

- a. All residents, organizations, businesses, schools, communities need to step up their active awareness, involvement, participation in preserving biodiversity and ecosystems

5. Long Term Stewardship

- a. Caring for the 7th generation ahead of us - Native Americans considered this a sacred compact with their descendants
- b. American culture of self-interest - Long term thinking replaces concern for my life only
- c. Should become part of our children's education to be concerned for the broader world (all life), not just themselves and the human world
- d. Ecological Literacy - requirement at all education levels that even if your life purpose is not related to the natural world, we all need a basic understanding of our environment to keep it healthy/productive, not just for ourselves but for all life
- e. Seasonal Celebrations: Harvest Festivals, Forest re-plantings, giving our energy to all life