

**ad hoc CLIMATE AND ENERGY ACTION PLAN
IMPLEMENTATION COMMITTEE**

Thursday, February 15, 2018 | 5:00 PM – 7:00 PM

Siskiyou Room, 51 Winburn Way

Meeting Objectives

- Understand CEAP Goals, Targets, Indicators, Baselines
- Review Draft Implementation Plan Update

Meeting Agenda

1. Call to order (Stef)
2. Council update (Stef)
3. CEAP Actions update (Stu)
 - a. Electric Vehicles
 - b. Renewable Energy / Efficiency
 - c. Zero Energy buildings
4. Policy Documents to review this meeting:
 - a. Goals, Targets, Indicators, Baselines – homework
 - b. Draft CEAP Implementation Plan 2018 Update
5. Review Public input

Charge and Scope of Work:

The Ad-Hoc Climate and Energy Action Plan Implementation Committee shall be charged with the following scope of work:

- Review, provide input and make recommendations as appropriate on the following:
 - Development of benchmarks and indicators for identified actions within the **Climate and Energy Action Plan**.
 - Phase I implementation plans presented to the committee by staff.
 - Co-benefits and equity considerations for all phase I action implementation.
 - Development of measurement and reporting protocols and systems.
 - Development of a public outreach and education plan for the Climate and Energy Action Plan and its implementation progress
 - Coordination and communication structure between Climate and Energy Action Plan ad-hoc and other existing City Advisory Commissions in Climate and Energy Action Plan implementation
 - Long term structure and format for citizen advisory role in Climate and Energy Action Plan implementation
- Review, analyze and address public input received by the committee.

CEAP Goal	Strategy	Action	Indicator	Target	2015 Baseline
Goal OA-1. Reduce Community GHG Emissions			Community GHG emissions (mtCO2e)	8% reduction per year	342480
Goal OA-2. Reduce City GHG Emissions			City GHG emissions (mtCO2e)	0 by 2030	10757
Goal OA-3a. Reduce City Fossil Fuel Consumption.			Fossil fuel consumption (MMBTU)	50% reduction by 2030;	Unknown
Goal OA-3b. Reduce City Fossil Fuel Consumption.			Fossil fuel consumption (MMBTU)	100% reduction by 2050	Unknown
Goal OA-4. Overall Adaptation goals TBD.			TBD	TBD	TBD
Goal BE-1. Reduce GHG emissions associated with Ashland's building energy use.			Building GHG emissions (mtCO2e)	8% reduction per year	82426
Goal BE-2. Increase energy and water efficiency in City and Private buildings.			Energy & water use per square foot (MMBTU/sf & CCF/sf)	TBD	Unknown
Goal BE-3. Protect Ashland's building stock and energy supply from climate impacts.			Proportion of buildings that use heat-resistant materials, passive heating/cooling, and/or white roofs (%) AND/OR Local renewable energy production (%)	TBD	Unknown
Goal ULT-1. Reduce transportation GHG emissions. ☐Employee vehicle miles traveled and☐greenhouse gas emissions.			Transportation GHG emissions (mtCO2e)	8% reduction per year	79000
Goal ULT-2. Reduce community & City employee vehicle miles travelled.			Vehicle miles traveled (miles)	TBD	Unknown
Goal ULT-3. Improve vehicle efficiency and expand low-carbon transport, including within the City's fleet.			Emissions per mile traveled (mtCO2e/mile) OR Transit ridership (passenger miles) and bicycling	TBD	Unknown
Goal ULT-4. Support local and regional☐sustainable growth.			Average city "Walk Score"	TBD	53[1]
Goal ULT-5. Protect transportation infrastructure from climate impacts.			TBD	TBD	TBD
Goal CM-1. Reduce solid waste and wastewater greenhouse gas emissions.☐			Solid waste & wastewater GHG emissions (mtCO2e)	8% reduction per year	6923
Goal CM-2. Increase waste diversion through waste prevention, recycling, and composting.			Waste diverted from landfill to recycling and composting (%)	TBD	Unknown
Goal CM-3. Reduce consumption of climateintensive food, products, and services.			Consumption-related emissions (mtCO2e)	8% reduction per year	166731
Goal CM-4. Support locally-produced products.			Community gardens (#) AND/OR Farmers markets (#)	TBD	4 gardens; 1 farmers market
Goal NS-1. Enhance ecosystem health and resilience.			Water quality (EPA score out of 100) OR Acres of forest maintained OR Acres of protected and restored habitat	TBD	Water quality = 60/100[2], Over 2,000 acres of forests maintained[3]
Goal NS-2. Ensure sustained access to clean air and drinking water.			Water consumption (avg MGD)	TBD	4.5 MGD[4]
Goal PHSW-1. Protect public health from air pollution and climate impacts.			Air quality (EPA score out of 100), Cooling center capacity (# people), Tree canopy cover (%)	TBD	Air quality = 70/100ii
Goal PHSW-2. Improve community capacity to understand, prepare for, and respond to climate change security risks.			# homes in the wildland urban interface (WUI)	TBD	1,400 homes[5]
Goal CC-1. Increase awareness of city climate goals and needs.			Public and staff knowledge and understanding of climate change issues and actions (e.g., # students engaged in AFR project)	TBD	(e.g., over 2,000 students[6])
Goal CC-2. Integrate climate change considerations into day-to-day City operations, planning, and decisionmaking.			Number of other City plans or activities that incorporate climate change considerations	TBD	2 (Water Master Plan Update; 2016 Ashland Forest Plan)

City of Ashland
Climate and Energy Action Plan
Phase I Implementation Update
2018

DRAFT

Contents

Purpose	3
Background	3
Vision.....	3
Goals and Targets.....	3
Focus Areas	3
Strategic Initiatives.....	4
Priority Actions.....	4
Implementation Timing	4
CEAP Actions Taken:	5
Ashland CEAP Year 1 Implementation Summary.....	5
CEAP Actions Planned: continuing Phase I Implementation (Y2-Y4)	6
Implementation Themes.....	6
Key Phase I actions.....	6
Energy Actions	6
Potential Energy Projects.....	6
Transportation Actions	6
Potential Transportation Projects.....	7
Outreach Actions	7
Potential Outreach Projects.....	7
Planning Actions.....	7
Potential Planning Projects	8
List of other actions in slated for 2018	8
CEAP Future Actions: Phase II Implementation (Y5+).....	9
CEAP Roadmap: A visual display of actions over time.....	9

Purpose

In March, 2017 Ashland City Council unanimously adopted a Climate and Energy Action Plan (CEAP). This purpose of this report is to provide an update on climate plan implementation. It is divided into the following sections:

- Background
- CEAP Actions Taken: Implementation to date (Y1)
- CEAP Actions Planned: continuing Phase I Implementation (Y2-Y4)
- CEAP Future Actions: Phase II Implementation (Y5+)
- CEAP Roadmap: A visual display of actions over time

Background

Vision

Ashland's Climate Vision for 2050 is to be a resilient community that has zero net greenhouse gas emissions, embraces equity, protects healthy ecosystems, and creates opportunities for future generations. Read more about City of Ashland's Climate and Energy Action Plan at www.ashland.or.us/climateplan

Goals and Targets

The CEAP lays out a foundation for the City of Ashland to reduce its emissions and improve its resilience to future impacts of climate change on its environment, infrastructure, and people.

The plan's overarching goals and targets focus on addressing climate change risks by reducing Ashland's emissions of climate pollution ("climate mitigation") and preparing the city for unavoidable impacts ("climate adaptation"):

1. Reduce Ashland's contribution to global carbon pollution by reducing greenhouse gas emissions associated with City, residential, commercial, and industrial activities.
 - For the Ashland community:
Reduce overall Ashland community greenhouse gas emissions by 8% on average every year to 2050.
 - For City of Ashland operations:
Attain carbon neutrality in City operations by 2030, and reduce fossil fuel consumption by 50% by 2030 and 100% by 2050.
2. Prepare the city's communities, systems, and resources to be more resilient to climate change impacts.

Focus Areas

The CEAP is primarily organized by focus areas. Each focus area contains associated goals, strategies, progress indicators, and identified actions. The CEAP identifies 6 focus areas for climate action:

- Buildings and Energy
- Urban Form, Land Use, and Transportation
- Consumption and Materials
- Natural Systems
- Public Health, Safety, and Wellbeing

- Cross-Cutting

Strategic Initiatives

The following overarching strategic initiatives were identified to guide the strategies and actions presented in this plan. While the strategies and actions in this plan are organized by focus areas such as Buildings and Energy, Transportation and Land Use, and Natural Systems, these initiatives cut across these focus areas to emphasize synergistic and integrated solutions for addressing climate in Ashland.

- Transition to clean energy.
- Maximize conservation of water and energy.
- Support climate-friendly land use and management.
- Reduce consumption of carbon-intensive goods and services.
- Inform and work with residents, organizations, and government.
- Lead by example.

Priority Actions

The CEAP identifies more than 60 priority actions. Each of these actions offer a meaningful path to emissions reduction and have been evaluated based on relative cost, efficacy, and co-benefits. Actions that result in direct emissions reduction are a primary focus for City Staff.

Implementation Timing

Each action is assigned to an implementation phase, either:

- Phase I: complete by 2020
- Phase II: complete by 2025

Phase I Actions are slated for near-term commencement and meet one or more of the following criteria:

- Easy, early wins
- Foundational steps
- Complex, but important initiatives
- Windows of opportunity

Phase II actions Include all actions identified in CEAP, that do not meet Phase I criteria above. Phase II actions may be initiated in Phase I, but not at the expense of completing Phase I actions. Priority actions not meeting these criteria are assigned to Phase II

CEAP Actions Taken:

The adopted CEAP included a bulleted implementation plan to help guide City Staff during the first implementation year (Y1). The majority of these steps have been completed and are detailed below. Staff expects that all steps will be complete by the end of Y1.

Ashland CEAP Year 1 Implementation Summary

- ✓ Formalize City's commitment
 - Council Adopted CEAP Plan (Approved March 2017)
 - Council Adopted CEAP Ordinance (Approved September 2017)
- ✓ Create and hire a full-time, permanent City CEAP staff position (Hired November 2017)
- ✓ Form and convene CEAP Implementation committee (Created Jan 2018)
- ✓ Create an internal City Climate Team (**planning**)
- ✓ Designate potential funding sources (**planning**)
- ✓ Establish CEAP progress indicators (in progress)
- ✓ Begin priority near term CEAP actions (in progress and ongoing)
 - ULT-3-3. Electric vehicle outreach tools on City website (in place December 2017, ongoing)
 - BE-4-1. Net metering resolution update: solar window shift / enable virtual (in place December 2017)
 - CC-1-3. City sponsored carbon offset program (software tool complete, public release March 2018)
 - BE-1-2. Public electric vehicle charger upgrades (Install by end of Feb 2018)

CEAP Actions Planned: continuing Phase I Implementation (Y2-Y4)

Implementation Focus Areas

- Energy - Energy Efficiency & Solar
- Transportation – EV & Alternative Modes
- Community Outreach
- Planning/Policy Development

The implementation focus areas are intended to provide a clear understanding of formal City initiated CEAP efforts in the next one to two years by the Climate and Conservation staff. These and other strategies and actions will undoubtedly be worked on by other City Departments and Commissions as connections with current and future Departmental work plans are identified. Longer term planning efforts will further integrate the work of Departments and Commissions on Phase I and II CEAP strategies and actions.

Because the CEAP is a community plan and not just a City plan, it is further recognized and expected that various community partners and groups will take on a variety of specific phase I and II actions to assist in CEAP action achievement.

Key Phase I Actions

Energy Actions

- **BE-1-3.** Facilitate and Encourage Solar Energy Production.
- **BE-1-4.** Enhance Production of on-site solar energy from City facilities.
- **BE-2-1.** Increase outreach efforts to expand participation in energy efficiency programs and promote climate-friendly building and construction.
- **BE-3-1.** Use results from City Facilities Energy Audit to prioritize City Facilities Capital Improvement Plans (CIPs) and maintenance improvements.

In Progress and Potential Energy Projects

- Utility scale solar planning and development
- Community Solar planning and development
- City Solar Rooftops
- Improve Facilities (Reeder, City buildings)
- City-wide efficiency opportunities (ESCO contract?)
- Improve housing inventory (Require EPS?)
- Advocate for high efficiency building code
- Innovate new programs and utility data access to add value to utility customers

Transportation Actions

- **BE-1-2.** Promote switching to lower-carbon fuels.
- **ULT-2-1.** Implement bicycle- and pedestrian-friendly actions in the City's Transportation System Plan and Downtown Parking Management Plan.
- **ULT-3-2.** Revise land use codes to require EV charging infrastructure at multifamily and commercial developments.

- **ULT-3-3.** Provide information about electric and hybrid vehicles and rebates on the City's website.

In Progress and Potential Transportation Projects

- EV Strategy
 - City Fleet conversion
 - Explore new EV incentives
 - Home / workplace charging
 - Group EV purchasing
 - Expand public EVSE
 - Update existing public - March 2018
 - Advocate / explore DCFC options

Outreach Actions

- **CC-1-1.** Create a formal public outreach and education plan to inform the community about climate actions and progress.
- **CC-1-2.** Support capacity of neighborhood and community groups to implement climate mitigation and adaptation initiatives.
- **CC-1-3.** Assess the feasibility of a City-sponsored carbon offset program.

Potential Outreach Projects

- City Web page
 - Climate & energy dashboard
 - Action level info
 - Citizen engagement opportunities (surveys, input channels, etc)
- Develop Community Engagement Plan (CEP)
 - Messaging
 - Communication plan
 - Events
 - Community partnering opportunities
- Climate Advocacy resources
 - Why advocacy matters
 - What to advocate for?
 - How and where to do it?

Planning/Policy Development Actions

- **CC-3-1.** Consider climate change in all City Council policy, budgetary, or legislative decisions and as part of the Council Communication document template.
- **CC-3-2.** Incorporate CEAP goals and actions in future updates of city plans.
- **CC-3-3** Include consideration and perpetuation of climate action goals within the scope of every appropriate City Advisory Commission.
- **CC-4-1.** Engage with other governments and organizations around regional, statewide, national, and international climate policy and action.
- **NS-1-1.** Manage forests to retain biodiversity, resilience, and ecosystem function and services in the face of climate change. Use best available science to inform fire

management and planning to manage ecosystem health, community safety, and carbon storage.

In Progress and Potential Planning/Policy Projects

Staff

- Internal Project tracking platform
- Plan upcoming GHG inventory (begins mid-2018)
- City interdepartmental coordination / planning

CEAP 2.0 Committee activities

- Recommendation on long term committee structure, role, charge
- Advise on implementation
- Support Phase I implementation
- Determine key progress indicators (KPIs)
 - Plan level (progress)
 - Focus area level (progress)
 - Action level (accountability, efficacy)

List of other actions in slated for 2018

- BE-1-1. Develop a comprehensive plan for the Municipal Electric Utility.
- ULT-1-2. Work with RVTD to implement climate-friendly transit.
- ULT-2-2. Explore opportunities to convert to shared streets where appropriate to provide multimodal connectivity.
- ULT-4-1. Regulate new development in the Wildfire Lands Overlay part of the urban growth boundary.
- CM-2-1. Partner with nonprofit organizations to promote the purchase of climate-friendly food and products.
- CM-2-2. Expand community gardening and urban agriculture opportunities
- NS-1-3. Undertake restoration efforts to retain and restore native fish and riparian species.
- NS-2-2. Explore water-efficient technologies on irrigation systems and consider requiring them during the permitting process.
- PHSW-2-1. Engage leading employers in a dialogue on climate action, for example, by organizing and facilitating roundtables.
- PHSW-3-1. Work with vulnerable populations to create specific adaptation strategies to address public health risks.

=====

CEAP Future Actions: Phase II Implementation (Y5+)

- GHG Inventory every 3 years, (last inventory completed 2016, for year 2015)
 - 2015 is baseline year. It includes some provisional data and may be adjusted at next inventory. Performance indicator baselines may need to be adjusted after the 2015 inventory is updated.
- CEAP plan update every 3 years (adopted 2017)
- Long term advisory committee format
- Ongoing Phase I, complete 2020
- Phase II, complete 2025
- Additional actions may be identified and incorporated during the three-year plan update process.

CEAP Roadmap: A visual display of actions over time

Coming soon