

CLIMATE RESILIENCY COMMITTEE AGENDA

AGENDA

JOINT CLIMATE RESILIENCY COMMITTEE MEETING

October 14, 2022

9:00 A.M.

CITY HALL

UPSTAIRS CONFERENCE ROOM

VIA ZOOM

Join Zoom Meeting

<https://us06web.zoom.us/j/84228773747?pwd=UG5IMUgramRLSWJ3M1dmalFzZ3lEQT09>

Meeting ID: 842 2877 3747

Passcode: 073704

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF MINUTES
 - A. Approval of September 9, 2022 Joint Climate Resiliency Committee Meeting
5. AUDIENCE PARTICIPATION/PRESENTATION
6. COMMITTEE REPORTS
 - A. Update inventory of climate resiliency activities within your organization
 - B. Reports on other community climate action plans Exhibit B
 - C. Discuss Bend Summary Exhibit C
7. DISCUSSION ITEMS
 - A. Guest Speaker Ideas
 - B. Discuss recommending/applying for a RARE Intern
 - C. Shared drive for the CRC
 - D. Sub Committee
 - E. November meeting is on a holiday/reschedule date or cancel meeting?
8. Next Meeting: November 11, 2022
9. ADJOURNMENT

This meeting conducted Via ZOOM

Prepared by/
Jean Corbin, Secretary

MISSION STATEMENT HERE

MINUTES

JOINT CLIMATE RESILIENCY COMMITTEE

September 9, 2022

9:00 a.m.

VIA ZOOM/IN PERSON

PRESIDING: Dan Richardson

MEMBERS PRESENT: Scott Randall, Lisa Gambee, Bruce Schwartz, Debi Ferrer, Ryan Bessette,

MEMBERS ABSENT: Paula Gendel, Brian Reel, Kurt Conger

STAFF PRESENT: Eric Hansen, Tyler Stone, Jean Corbin

GUESTS: Flora G. with Columbia Gorge News

CALL TO ORDER

The meeting was called to order by Chair Dan Richardson at 9:00 a.m.

ROLL CALL

Roll Call was conducted by Secretary Jean Corbin. Present 5 in person; 1 via Zoom.

APPROVAL OF AGENDA

It was moved by Gambee and seconded by Ferrer to approve the agenda as submitted. The motion carried 6 to 0; Richardson, Randall, Gambee, Schwartz, Ferrer, Bassette, voting in favor; none opposed.

APPROVAL OF MINUTES

There was consensus to approve the August 12, 2022 Climate Resiliency Committee Meeting Minutes

Climate Resiliency Committee

“To address the increasing impacts of climate change; we will recommend local, affordable, and achievable actions and strategies to the City of The Dalles and Wasco County”

AUDIENCE PARTICIPATION/PRESENTATION

NONE

COMMITTEE REPORTS

Inventory of Climate Resiliency Activities

Lisa Gambee updated the Climate Action Asset Map, which compiles local organizations and their climate mitigation/adaptation actions currently taking place, please continue to send information to Lisa and she will continue to update the map. **see attached exhibit A**

DISCUSSION ITEMS

- A. Reports on other Community Climate Action Plans **see attached exhibit B**
 1. Ferrer spoke about Eugene Climate Action Plan and how their DOT is focused on encouraging more walking and bicycle usage by community members, Ferrer suggests that the city look into improving and updating roads and paths to accommodate our town.
 2. Gambee discussed the three main areas that Port Townsend in Jefferson County is working on to help decrease their carbon footprint.
 - A. Building energy efficient building/update historic building
 - B. Electric Vehicles
 - C. Reduce and Recycle
 3. A Primer on Oregon Cities Climate Action Plans - the document prepared for the Bend CAP summarizing highlights for 25 western climate action plans **see attached exhibit C.**
 4. Richardson asked each committee member to read the Bend summary [3 pages - Exhibit C] and **bring thoughts to discuss at the October meeting.**
 5. Bruce Schwartz shared resources he felt the committee would like to explore **see attached exhibit D and E**

Climate Resiliency Committee

“To address the increasing impacts of climate change; we will recommend local, affordable, and achievable actions and strategies to the City of The Dalles and Wasco County”

B. Review Brainstorming list

The committee discussed and voted on the items from the Brainstorming list that were of priority and are achievable that will remain on the list to further discuss.

Updated Focus Area from Brainstorm List:

- Incentive programs/education (homeowners building or remodeling, wildfire prevention)
- Buildings and Land Use Programs
 - Power supply/renewable energy
 - Charging Station
- Heat Islands/Trees
- Vehicle/Fleet
- Energy Audit

Items removed from Brainstorming List

- Water supply-very important but the city is already looking at this in depth.
- Water quality-already being worked on in the existing city system
- Wildfires/defensible space-state forestry agency and others are already emphasizing the area of work, it's well funded and work is underway

Due to time constraints, discussion items B-D were not discussed. These items will be added to the October agenda.

Next Meeting: October 14, 2022

ADJOURNMENT

Being no further business, the meeting adjourned at 10:35 a.m.

Submitted by/
Jean Corbin, Secretary

SIGNED:

Dan Richardson, Chair

ATTEST:

Jean Corbin, Secretary

Climate Resiliency Committee

“To address the increasing impacts of climate change; we will recommend local, affordable, and achievable actions and strategies to the City of The Dalles and Wasco County”

Climate Action Asset Map (as of 9/9/2022)

The table below compiles organizations and the climate mitigation/adaptation actions they are already doing.

Organization	Climate Impact Actions
CONSUMPTION AND WASTE	
Tri-County Hazardous Waste & Recycling https://tricityrecycle.com/ 541-506-2632	<ul style="list-style-type: none"> ● Household Hazardous Waste collection events ● Recycling ● Composting and other waste reduction information
The Dalles Disposal https://www.thedallesdisposal.com 541-298-5149	<ul style="list-style-type: none"> ● Residential Collection of yard waste, Commingled Recycling and Glass ● Commercial collection of cardboard, organics, recycling, construction and demolition debris
Dirt Hugger Landscape Supply https://www.dirthugger.com/ 541-946-3478	<ul style="list-style-type: none"> ● Produce organic compost using locally available feedstocks such as fruit, wood and beer yeast. By composting, organics don't go to the landfill where they create methane, a greenhouse gas 23 times more harmful than CO2.
BUILDINGS AND ENERGY	
Mid-Columbia Community Action Council https://www.mccac.com/energy-and-utility-assistance 541-298-5131	<ul style="list-style-type: none"> ● Provide weatherization services to reduce home energy usage ● Energy Education classes ● Transitional Housing & Shelter Services (shelter for homeless)
Northern Wasco County People's Utility District	
https://www.nwascopud.org/ (541) 296-2226 <ul style="list-style-type: none"> ● Climate Impact Resources: Educational programs and project funding to support terrestrial and aquatic improvements https://www.nwascopud.org/about/kids/ https://www.nwascopud.org/programs-and-services/mcnary-fisheries-compensation-committee/ https://www.mcnary.fish/what-we-do ● Sources of Electrical Energy: Hydroelectric power, renewable energy options, and the history of power resources in the District https://www.nwascopud.org/about/power-sources/ 	

Organization	Climate Impact Actions
	<p>https://www.nwascopud.org/programs-and-services/pure-power-program/ https://www.nwascopud.org/local-power-supply/</p> <ul style="list-style-type: none"> ● Electric Vehicles: Information about the technology, GHG reduction potential, incentives, and features https://www.nwascopud.org/programs-and-services/electric-vehicles/ ● Energy Efficiency Upgrade Programs: Rebates for weatherization, appliances, heat pumps, and commercial buildings https://www.nwascopud.org/programs-and-services/energy-efficiency-and-rebate-programs/ ● Net Metering for Renewable Energy: Customers service policies for Net Metering available to Residential and Commercial customers https://www.nwascopud.org/wp-content/uploads/Customer-Service-Policy-March-2022.pdf Policy 41 at page 24 https://www.nwascopud.org/residential/residential-rates/ https://www.nwascopud.org/commercial/commercial-rates/
<p>Wasco Electric Co-Op https://www.wascoelectric.com 541-296-2740</p>	<ul style="list-style-type: none"> ● Offers weatherization audits ● Offers rebates on energy efficient items like windows and doors, insulation, washer/dryer, smart thermostat, heat pumps, etc.
NATURAL RESOURCES / SYSTEMS / LAND USE	
<p>Columbia River Gorge Commission http://www.gorgecommission.org/ 509-493-3323</p>	<ul style="list-style-type: none"> ● Draft Climate Change Action Plan for the Columbia River Gorge National Scenic Area
<p>City of The Dalles Beautification Committee Tree Project</p>	<ul style="list-style-type: none"> ● The Beautification Committee is working with the City to pursue a Tree Project. The mayor and the city council are in support of this and have given the Beatification Committee \$20K this budget cycle to start the Tree Project. Some of the things being considered right now are a tree inventory, a canopy cover inventory, hiring an arborist to help figure out why the downtown trees aren't surviving and what we need to do differently (probably it will involve larger wells and reliable irrigation). We are also considering the scope of the project. Right now, the group wants to target the downtown area to create shade, lower summertime temps, and improve the appearance of the downtown area. Trees sequester and store CO², a greenhouse gas, and certain trees remove significant particulate pollutants from the environment.

Organization	Climate Impact Actions
<p>Oregon Department of Forestry https://www.oregon.gov/odf/Pages/index.aspx 503-945-7410</p>	<ul style="list-style-type: none"> • <i>Climate Change and Carbon Plan</i> - excerpt from <i>Principles section</i>: Climate change is a serious threat. We have less than a decade to alter behaviors if we want to avoid catastrophic impacts. We must be innovative, creative, and proactive in working toward solutions, not simply react to the results of climate change. • Climate Change page: https://www.oregon.gov/odf/forestbenefits/pages/climate-change.aspx • <i>Landscape Resiliency Program</i> - The Landscape Resiliency Program was established through Senate Bill 762, Section 18 (2021) to improve forest restoration and resiliency. This grant program will fund landscape-scale projects that reduce wildfire risk on public and private forestlands and rangelands, and in communities near homes and critical infrastructure through restoration of landscape resiliency and reduction of hazardous fuels. • <i>Firewise USA residential fire protection program by the National Fire Protection Association</i> - Every year, devastating wildfires burn across the United States. At the same time, a growing number of people are living where wildfires are a real risk. While these fires will continue to happen, there are things you can do to protect your home and neighborhood as well as your family's safety. The Firewise USA® program is here to help you get started.
<p>USDA Natural Resources Conservation Service and Wasco County Soil & Water Conservation District</p>	
<p>http://wascoswcd.org/ 541-296-6178</p> <ul style="list-style-type: none"> • <i>Conservation Reserve Program (CRP)</i> - Conservation cover is a permanent vegetative cover usually located on past grain cropland. Plants that produce high volumes of organic matter are recommended when this practice is applied to increase carbon sequestration, build soil health, improve water quality and strengthen benefits to wildlife or pollinator habitat. • <i>Residue and Tillage Management (No-Till / Direct Seeding)</i> - No-till limits soil disturbance to manage the amount, orientation and distribution of crop and plant residue on the soil surface. No-till may increase soil carbon sequestration while reducing emissions from the field and delivering the co-benefits of reducing fossil fuel use, increasing plant-available moisture, and improving water quality. No-till reduces the amount of soil carbon released into the atmosphere when compared to soil disturbance practices, while also reducing emissions and sequestering carbon. 	

Organization	Climate Impact Actions
	<ul style="list-style-type: none"> ● <i>Prescribed Grazing</i> - Prescribed grazing is managing the harvest of vegetation with grazing or browsing animals to achieve specific ecological, economic and management goals. Prescribed grazing may sequester carbon in perennial biomass and soils while delivering the co-benefits of enhancing or maintaining desired plant species for forage, improving water quality, increasing stocking rates and livestock vigor, and building soil health. ● <i>Riparian Forest Buffer (CREP)</i> - A riparian forest buffer is an area covered by trees or shrubs that is located along a body of waterbody (i.e. stream). Riparian forest buffers may generate carbon sequestration in perennial biomass and soils while generating the co-benefits of improving water quality, restoring diversity of riparian plant communities, providing wildlife habitat, and improving stream conditions for certain species. ● <i>Tree and Shrub Establishment</i> - This conservation practice establishes woody vegetation by planting seedlings or cuttings, direct seeding or through natural regeneration. Established trees or shrubs may increase carbon sequestration in perennial biomass and soils while delivering the co-benefits of maintaining or increasing plant diversity, establishing wildlife or pollinator habitat, reducing erosion, and improving water quality. ● <i>Upland Wildlife Habitat Management</i> - This practice supports land managers in establishing and maintaining upland habitats and connectivity within the landscape for wildlife. Examples include creating food plots and planting cool season grasses or legumes, forbs, trees, or other woody vegetation depending on the target wildlife species. Upland wildlife habitat may increase carbon sequestration in perennial biomass and soils while generating the co-benefits of improving wildlife and plant species diversity, increasing wildlife and pollinator habitat, and improving water quality. ● <i>Forest Stand Improvement</i> - The manipulation of species composition, stand structure, and stocking by cutting or killing selected trees and understory vegetation. Pre-commercial thinning is the removal of non-merchantable trees (either due to size, condition, or species) to maximize site's potential for remaining trees. <ul style="list-style-type: none"> Environmental Benefits Include: <ul style="list-style-type: none"> ○ Improve and sustain forest health and productivity. ○ Reduce damage from pests and moisture stress. ○ Initiate forest stand regeneration. ○ Reduce fire risk and hazard and facilitate prescribed burning. ○ Restore or maintain natural plant communities. ○ Improve wildlife and pollinator habitat. ○ Alter quantity, quality, and timing of water yield. ○ Increase or maintain carbon storage. ● <i>Provide Technical and Financial assistance to landowners in Wasco County.</i> Through cost share programs and financial payments through both NRCS and FSA by enrolling into programs that include the conservation practices above.
TRANSPORTATION	
<p>Mid-Columbia Economic Development District https://www.mcedd.org/</p>	<ul style="list-style-type: none"> ● Reduces carbon emissions by providing public transportation (The Link)

EXHIBIT A

Organization	Climate Impact Actions
541-296-2266	

Other Community Climate Action Plans

- Hood River Energy Plan - <https://www.mcedd.org/industry-development/special-projects/>
- Port Townsend / Jefferson Co, WA Climate Action Committee - <https://www.co.jefferson.wa.us/637/Climate-Action-Committee>
- City of Bend Climate Action Plan - <https://www.bendoregon.gov/city-projects/sustainability/community-climate-action-plan>
- Eugene Climate Action Plan 2.0 - <https://www.eugene-or.gov/4284/Climate-Action-Plan-20>
- CRGC Climate Action Plan (draft) - <http://www.gorgecommission.org/initiatives/climate-change>
- Oregon Climate Action Plan – EO 17-20
https://www.oregon.gov/gov/Documents/executive_orders/eo_17-20.pdf
 - Two Year Progress Report March 2022 - https://assets.nationbuilder.com/reneworegon/pages/1321/attachments/original/1647119874/Two_Year_OCAP_Progress_Report_2022.pdf?1647119874
- Ashland Climate Action Plan - <https://ashlandor.org/climate-energy/climate-plan/>
- Corvallis Climate Action Plan - <https://www.corvallisoregon.gov/community/page/corvallis-climate-action>
- Acton, MA CAP - <https://www.acton-ma.gov/DocumentCenter/View/7404/CAP-Blueprint>

EXHIBIT B

Climate Action Plan Examples

If you find other good examples for review, or if you want to "adopt" one of these to review, please email Debi to update this document (debifererer@gmail.com).

City/ County	Website	Reviewer
Hood River Energy Plan	http://www.mcedd.org/industry-development-projects/	Debi
Port Townsend/ Jefferson Co, WA	http://www.co.jefferson.wa.us/637/Climate-Action-Committee	Lisa
City of Bend	http://www.bendoregon.gov/city-projects/sustainability/community-climate-action-plan	
Eugene Climate Action Plan 2.0	https://www.eugene-or.gov/4284/Climate-Action-Plan-20	Debi
Columbia River Gorge Commission (Draft)	http://www.gorgecommission.org/initiatives/climate-change	Lisa, Debi
Oregon Climate Action Plan - EO 17-20	http://www.oregon.gov/govdocs/executive-orders/Leo_17-20.Qdf Two Year Progress Report March 2022 - http://assets.nationbuilder.com/reneworegon/page/s/1321/attachments/original/1647119874/Two Year OCAP Progress Report 2022.pdf?1647119874	
Ashland	http://ashlandor.org/climate-energy/climate-plan/	
Corvallis	http://www.corvallisoregon.gov/community/page/corvallis-climate-action	Dan
Acton, MA	https://www.acton-ma.gov/DocumentCenter/View/7404/CAP-Blueprint	Bruce

EXHIBIT C

**A Primer on Climate Action Plans:
What are Other Oregon and Western U.S. Cities Doing?**

-- Prepared by Russ Donnelly for the Bend Climate Ordinance Working Group --

As Bend considers passing a climate action ordinance, it is valuable to know what other municipalities in Oregon and the western U.S. have been doing in the same policy area.

Oregon Cities with Pending or Established Climate Action Plans

The Oregon cities below have pending or adopted climate action ordinances and/or climate action plans that includes specific GHG reduction targets to be met over a period of years (e.g. - 2030 and 2050). Some cities have used sustainability plans that includes GHG reduction targets. Other have used the GHG reduction targets as the lead element in their climate plans.

City	Population	Plan (Year of Implementation)	GHG Reduction Target 1	GHG Reduction Target 2
Ashland (a)	20,713	Climate and Energy Action Plan (2017)	RFP Released 12/15, targets TBD	RFP Released 12/15, targets TBD
Beaverton (b)	92,697	Sustainability Action Plan (2014)	N/A	80% by 2050
Corvallis (a)	55,008	Climate Action Plan (2017)	57% by 2030	83% by 2050
Eugene (b)	160,000	Climate Recovery Plan (2014)	50% by 2030	80% by 2050
Gresham (b)	109,397	Sustainability Initiative (2011)	100% renew/2030	80%/2050
McMinnville (b)	33,139	Sustainability Action Plan (2009)	10% by 2015	N/A
Milwaukie (b)	20,512	Sustainability Plan (2009)	10% by 2015	100% renewable by 2029
Portland (b)	610,000	Climate Action Plan (rev. 2015)	40% by 2030	80% by 2050

(a) Cities with Pending Climate Action Plans or Environmental Action Plans:

(b) Cities with adopted Climate Action Plans

EXHIBIT C

Cities in Other Western States with Climate Action Plans

Other Western/ South west Cities:	Population	Plan (Year of Implementation)	GHG Reduction Target 1	GHG Reduction Target 2
Albuquerque, NM	556,495	Climate Action Plan (2009)	30% by 2020	80% by 2050
Boulder, CO*	103,166	Climate Action Plan Commitment 2015, w/ Climate Commission	20%/2020	44% by 2030 81% by 2050
Fort Collins, CO	152,061	Updated Climate Action Plan (2015)	20% by 2020	80% by 2030 Neutral by 2050
Sacramento, CA	479,686	Climate Action Plan (2005)	38% by 2030	80% by 2050**
San Diego, CA	1,356,000	Climate Action Plan (2015)	40% by 2030	80% by 2050**
San Francisco, CA	837,442	GHG Reduction Ord. (2008)	40% by 2025	80% by 2050
Seattle, WA	652,405	Climate Action Plan (2013)	40% by 2030	Net Zero GHG emissions by 2050

* - Boulder has had a CAP Tax since 2006. It was extended in 2015.

** - Legally binding (research on entire list not complete)

Sample of Common Categories and Strategies for Action Plans

In researching more than 25 cities' current, pending and implemented climate/sustainability action plans, there were five consistent categories of greenhouse gas emissions and associated reduction strategies. The categories, with examples of strategies, are:

- Buildings and Energy
 - Move toward 100% renewable energy sources
 - Net zero energy codes
 - Energy-efficient retrofits
 - Create a public free-energy capturing system and related incentives (for city and community)
 - More urban density/ mix-use neighborhoods
 - Incentives for developers: E.g. - give developers options to reduce GHGs with their projects. In return, they get points and after achieving certain thresholds, they are permitted to bypass certain parts of the environmental review process. [Santee, Ca.]

- Food and Agriculture
 - Buy/Eat local, vegetarian
 - Soil sequestration

EXHIBIT C

- o Expand community gardens
- Land Use and Transportation
 - o Encourage 20-minute neighborhoods
 - o Incentivizing Efficiencies
 - o Increase level of bikeability and walkability
 - o Build electric vehicle charging infrastructure
 - o Invest in broadband connectivity to promote telecommuting
- Urban Forests and Natural Resources/Systems
 - o Plant trees/Forest management
 - o Create wildfire defensible spaces
- Consumption and Waste
 - o Reduce consumption/expand composting
 - o Expand recycling
 - o Mayor's Climate/Carbon Challenge

Some cities have a three additional categories as a part of their key climate action plan categories: Education, Equity, and Climate Change Adaptation/Preparation. Equity means the just distribution of the benefits of climate protection and alleviation of unequal burdens created by climate change.

Ten Typical Renewal Energy/Carbon Emissions Reduction Goals:

- Create **Clean Tech Jobs** focusing on innovation
- Reduce Per Capita **Energy Use** by 50%
- Receive 100% of Our **Electrical Power** from Clean, Renewable Sources
- Build or Retrofit a targeted number of Square Feet of **Green Buildings**
- **Divert 100% of waste** from Landfill and **Convert Waste** to Energy
- Recycle or Beneficially Reuse 100% of **Wastewater**
- Adopt a General Plan with **Measurable Standards** for Sustainable Development
- Ensure that 100 Percent of city **Fleet Vehicles Run on Alternative Fuels**
- Plant **100,000 New Trees** and Replace 100 Percent of Streetlights with **Smart, Zero Emission Lighting**
- Create Miles of **Trails** connecting with miles of on-street **bikeways**

EXHIBIT D

Explore policies for Municipal Separate Storm Sewer System (MS4) permit

Explore eco-roof installations

Promote a culture of re-use with swap-shops at transfer stations

Conduct a waste audit

Provide resources and information to residents

Property Assessed clean energy program (PACE) <http://www.energy.gov/eere/slsc/commercial-property-assessed-clean-energy-pace-toolkit>
<https://www.energy.gov/eere/slsc/property-assessed-clean-energy-programs>

Solarize campaign - sort of a crowdsource program.

<https://www.solarcrowdsource.com/how-it-works-solarize/>

<https://eaith.org/data-visualization/agrophotovoltaics-the-benefits-of-solar-agriculture/>

Ecoroofs can generate renewable energy, manage stormwater, reduce heating loads in a building, and/or mitigate urban heat island effect, depending on the type of roof installed.

<https://www.portlandoregon.gov/bes/44422>

I-Tree <https://www.itreetools.org/>

EXHIBIT E

Laundry List Climate Adaptation/mitigation Measures

Transit plan to reduce city traffic

Bike lanes

Increase public transit

Promote micromobility (walking, e-scooters, e-bikes)

Promote electric vehicles

Electric car share programs

Accelerate EV infrastructure

Community-wide broadband

Address fugitive emissions from landfill

Compost biodegradable material

Recycling

Explore water re-usage

Develop a water conservation/drought management plan

Identify additional uses for water being discharged from Google

before being emptied into Columbia River

Identify need for upgrading or repairing city water treatment

Identify need for upgrading or repairing city water treatment

Increase urban tree canopy

Cooling/warming/ charging stations for unhoused individuals

City/county/Home/business insulation. Consider building code changes
or tax rebates for upgrades

Solar panel installation - home/business/city/county

Consider changes to City street lighting

Electric vehicles for upgrades to city/county vehicle fleet

Utility rebates (net-metering)

Study other sources for electrical generation (e.g. White River)

Promote sustainable organic farming

Identify where/how to get state or federal dollars with shovel ready

EXHIBIT E

Projects

New city buildings and all upgrades to require electric heat, AC,
and water heating

Electrify new schools and remodel older ones

Electrify school buses

Encourage (via tax rebates, e.g.) renewable energy for
homes/businesses whether new or old.

Incentives for solar panels

Consider zoning changes for more multifamily housing, smaller scale
units, and ADU's of various sizes

Zone changes to allow mixed use such as apartments over businesses