

CLIMATE RESILIENCY COMMITTEE AGENDA

AGENDA

JOINT CLIMATE RESILIENCY COMMITTEE MEETING

April 14, 2023

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 March 10, 2023 Joint Climate Resiliency Committee Meeting
5. AUDIENCE PARTICIPATION/PRESENTATION
6. COMMITTEE REPORTS
 - A. Review polished Climate Resilience Plan and the Climate Action Asset Guide
 - B. Review schedule for the presentation of the Climate Resilience Plan and Climate Action Asset Guide
7. DISCUSSION ITEMS
8. Next Meeting: May 12, 2023
9. ADJOURNMENT

This meeting conducted Via ZOOM

Prepared by/
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”

MINUTES

JOINT CLIMATE RESILIENCY COMMITTEE

March 10, 2023

9:00 a.m.

VIA ZOOM/IN PERSON

- PRESIDING:** Chairman Dan Richardson
- MEMBERS PRESENT:** Scott Randall, City Councilor; Paula Grendel, North Central Public Health District; Bruce Schwartz, Citizen; Debi Ferrer, Citizen; Ryan Bessette, Wasco County Soil and Water Conservation District; Eric Hansen, Assistant Public Works Director; Kelly Howsley-Glover, Wasco County Planning Director
- MEMBERS ABSENT:** Brian Reel, Oregon Dept. of Forestry; Lisa Gambée, Wasco County Clerk
- STAFF PRESENT:** Matthew Klebes, Jean Corbin,
- GUESTS:** Tonya Brumley, NorthWest Natural Gas
Mark Radabaugh, Community Member

CALL TO ORDER

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

ROLL CALL

Secretary Jean Corbin conducted Roll Call; Present 5 in person; 4 via Zoom.

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”

APPROVAL OF AGENDA

It was moved by Bessette and seconded by Schwartz to approve the March 10, 2023 agenda as submitted. The motion carried unanimously.

APPROVAL OF MINUTES

It was moved by Ferrer and seconded by Schwartz to approve the January 13, 2023 Climate Resiliency Committee meeting minutes as presented. The motion carried unanimously.

AUDIENCE PARTICIPATION/PRESENTATION

NONE

COMMITTEE REPORTS

Richardson gave a summary of the revised Climate Resilience Plan in Wasco County Version 2 Document and the Climate Action Asset Guide that the subcommittee has been working on.

See Attached EXHIBIT A and Attached EXHIBIT B

Richardson asked for comments from the committee round robin style. The majority of the committee is very pleased with the way the revised version turned out. Some still needed time to review the documents. And a few committee members had comments or suggestions with changes that they would like to see changed.

Richardson asked that the committee take the next week to review the revised Climate Resilience in Wasco County Version 2 document and the Climate Action Asset Guide. And any corrections or changes that need to be made to please email to him directly at drichardson@ci.the-dalles.or.us. He has asked that all suggestions be turned in no later than **Friday March 17, 2023**. Dan will work on the corrections and compile a list of suggestions and corrections, he will send an email to the Joint Climate Resiliency Committee to share the edits made.

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”

Richardson stated after the Climate Resilience Plan in Wasco County Version 2 Document and the Climate Action Asset Guide are edited the next step will be to present to the City Council. Ferrer offered to take the lead on presenting for the City Council, she will be reaching out to other committee members for help. Randall voiced his interest in helping presenting as well. See the Climate Committee Schedule for the presentation timeline. **See Attached EXHIBIT C**

DISCUSSION ITEMS

NONE

Next Meeting: April 14, 2023 at 9:00 a.m.

ADJOURNMENT

Being no further business, the meeting adjourned at 9:51 a.m.

Submitted by/
Jean Corbin, Secretary

SIGNED:

Dan Richardson, Chair

ATTEST:

Jean Corbin, Secretary

EXHIBIT A



Developing Climate Resilience in Wasco County

3/8/2023 | Version 2

Created by the Climate Resiliency Committee
A joint effort between City of The Dalles and Wasco County
Wasco County, Oregon




Summary

Climate change is bringing local effects to Wasco County and The Dalles: our community should take action to prepare and adapt to them. Among changes we are likely to see are less predictable seasons and more erratic weather variability (e.g. a freak snowstorm in April 2022, and 2021's Northwest-wide "heat dome"); warming average temperatures and hotter summers; less snowpack, and thus, less consistent surface water; and increased frequency and intensity of wildfires, threatening both houses and air quality.

The picture these climate effects paint is unsettling. We can expect stresses on both people and infrastructure. And, of course, we're not going to "fix" climate change. Indeed, this global problem is too much for any community or country to resolve. But at the same time, we cannot wait or hope for a solution from the state or federal government. No, responding to climate stresses and effects is also on us – to build the community we want in the face of these changes. To meet them head-on. It's bigger than us, but the effects will be felt here, and here is where we must act. Like the lack of attainable housing or homelessness, climate change is bigger than our community but it is imperative that local governments be mindful of it and, where possible, take action.

The City of The Dalles (COTD) and Wasco County (WC) governments can take actions to buffer our community against some of the expected effects of climate change. There are feasible, affordable, and local policies, programs, and leadership opportunities that could reduce our vulnerability to the extremes of erratic seasons and weather – and, also, improve our quality of life.



We believe that actions by COTD and WC (together, “local government”) could show leadership, with the purpose of benefiting our community by:

- Mitigating or buffering some of the expected impacts;
- Making some local government operations cleaner, more efficient, and/or more effective; and,
- Increasing our community’s quality of life.

We call this approach the “triple win”: actions we can feasibly take locally to benefit our climate, our local government, and our community.

This brief report lays out several paths we believe could help achieve the triple win in the face of climate change.

The Science

There have always been heat waves, droughts, floods, hurricanes, and forest fires, but as a result of the rapid rise in our earth’s temperature these extreme weather events are occurring with increasing frequency and severity. In February 2023, we saw half the country experiencing record cold temperatures while the other half was experiencing record highs.

In our area, glaciers are disappearing. More of our winter moisture is coming in the way of rain and less in the way of snow. With less snowpack, spring runoff happens sooner with higher flows, but later the rivers are warmer and there can be a shortage of irrigation. Also, because higher temperatures make it harder for humans to maintain their body temperature, heat strokes can result in deadly effects. Heat also affects where people can live or where they can work. Where a community gets its drinking water can be affected and our cities can become heat islands. Whole forests are dying from heat and lack of soil moisture, and forest fires cause loss of industries, property, and increased respiratory illness. Insect infestations are killing forests and causing crop failures.

Over the course of time there have been periods of gradual warming and cooling. With slow change plants and animals can adapt by evolving or moving to cooler elevations, but if the change is rapid they may be unable to adapt. The earth’s temperature has warmed an average of 2 degrees in less than 120 years – a direct result of mankind’s burning fossil fuels for the last 200 years – and without intensive corrective measures it is expected to rise another 4.6–10 degrees by the end of the century. Many people born today are expected to live that long, but if we are seeing this amount of change with only a few degrees of warming what impacts will we see with a rise of two to three times that? Yes, we are making changes but will they be enough? With technology humans may be able to adapt but what happens when entire plant and animal communities fail that are necessary for our own survival?

The Committee Process

The Dalles City Council and the Wasco County Board of Commissioners established the Joint Climate Resiliency Committee in June 2022. The committee's purpose was, by resolution, to "Provide recommendations to the City Council of the City of The Dalles and the Wasco County Board of Commissioners for possible regulations, programs, or policies regarding climate resiliency for the community." The committee was given a one year period.

Members of the committee include:


- Lisa Gambee, Wasco County, County Clerk;
- Tyler Stone, Wasco County, Administrative Officer; who was later replaced by Wasco County Planning Director Kelly Howsley-Glover;
- Scott Randall, City of The Dalles, City Councilor;
- Dan Richardson, City of The Dalles, City Councilor – elected as committee chairman;
- Eric Hansen, City of The Dalles, Assistant Public Works Director;
- Brian Reel, Oregon Department of Forestry, Stewardship Forester;
- Ryan Bessette, Wasco County Soil & Water Conservation District, District Technician
- Kurt Conger, Assistant General Manager, Northern Wasco County PUD
- Paula Grendel, North Central Public Health District
- Bruce Schwartz, Citizen
- Debi Ferrer, Citizen.

The committee met monthly, and later appointed a subcommittee to make additional working meetings on specific points. Committee members early on discussed how to approach such a potentially overwhelming topic as climate change. By consensus, after initial discussions, the committee agreed to a mission statement:

"The Mission of the Climate Resiliency Committee (CRC) is 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."

Local, affordable, and achievable – this became guiding principles of the group. We did not define those precisely, but rather used them as a "gut check" on whether a proposed area of work or topic of discussion was within our purview. National policies? No, not local and not something we were likely to make any achievable progress on. Local government vehicle fleets' electrification? Yes: local, and at least potentially affordable, certainly achievable. Whether a given policy or area of work is actually affordable is, of course, up to staff and especially elected leaders.

The question of how a community might address climate change is not a new question. Communities around the Northwest have been wrestling with this question for years. There are a number of reports and plans written in the past 10 years. Among these are, for



example, the Corvallis Climate Plan (CHECK TITLE; YEAR?) and the Hood River Energy Plan (CHECK TITLE; YEAR?). There is a large field of literature with regard to climate plans. Washington State published a plan for how local governments could create a climate plan.^[1] One useful short document – we recommend staff and elected leaders to review this – is Bend’s “A Primer on Climate Action Plans: What are Other Western and U.S. Cities Doing?”^[2] CRC members read several of these Northwest climate plans for ideas. There are a number of common themes or project ideas committee members harvested for consideration in The Dalles/Wasco County. The CRC also welcomed participation from several technically informed individuals, including representatives from Northern Wasco County PUD, public works departments, WyEast RC&D, and Haley Ellett, management analyst with the city of Hood River and formerly a key staff person in development of Hood River’s Energy Plan. Between these various sources, CRC members came up with nearly 100 potential projects or policies for COTD/Wasco County to explore. Over several discussions and iterations, the list was condensed into the current form. (See also APPENDIX X for the full list.)

There are two very significant climate impacts the Climate Resiliency Committee’s members decided not to investigate: Potential stresses to water supply, specifically to the city of The Dalles; and, increased frequency and intensity of wildland fires. These are arguably two of the most severe likely effects of global warming as felt in Wasco County. However, the City is already moving to markedly increase its water storage capacity via aquifer-recharge, and also study the larger issue via the ongoing “water system master plan study,” now underway. Likewise, there are statewide and local efforts to help residents reduce wildland fire hazards and adapt to more fire-prone conditions. The Committee felt it unnecessary to spend additional time emphasizing the need for these two areas of work.

The Committee’s resulting set of recommendations, below, are outlined as a series of value statements and areas of staff-work and policy considerations to begin addressing various other problems in a systematic fashion. These recommendations are a mix of ideas large and small. Some are already in discussion in local government, others have not yet been raised to our knowledge.

Committee members wish to emphasize that this report’s recommendations are not comprehensive. The CRC did not have the resources, expertise, or time to write a “climate plan.” This report is a set of policy ideas and initiatives to explore – one of which could be a more comprehensive, technically rich climate plan. This report is a first effort to direct policy considerations and, potentially, on-the-ground staff-work. We hope other local governments, non-for-profits, agencies, and citizens draw inspiration for joining this conversation about gaining the “triple wins” in the face of climate change. Our community needs it.

[1] See: <https://mrsc.org/stay-informed/mrsc-insight/october-2020/climate-change-what-can-local-governments-do>

[2] <https://www.bendoregon.gov/Home/ShowDocument?id=27470>

Call to Action, Next Steps

The Committee hopes the CoTD City Council and Wasco County Board of County Commissioners will adopt this report and its recommendations as an overarching policy of mitigating local impacts of climate change and seizing opportunities for community benefits that might be realized by taking action.

And then, having adopted this general policy framework, elected officials and staff at the city and county would take action on one or more of the ideas presented here. These recommendations are avenues for action, not merely advice.

A useful next step might be to instruct staff to poll the community for feedback on what residents and staff consider highest priorities among the recommendations.

Similarly, a technically informed consultant or staff lead might review recommendations with staff and partners, to find which are most immediately feasible, which might have potential sources of funding from recent and pending state and local legislation, and of course, suggest others.

This set of recommendations is not the final word on climate change and The Dalles and Wasco County. We hope, rather, that this is a start. Our encouragement to The Dalles and the greater community in Wasco County is to thoughtfully and meaningfully act on opportunities to mitigate climate impacts and realize benefits of efficiency, health, and quality of life.

Respectfully submitted for consideration,

The members of the Climate Resiliency Committee

IMPACTS AND RECOMMENDATIONS



Climate change will result in increasing temperatures, and erratic and extreme weather events.

We value public improvements that will lower urban heat island effects. Foremost among these is a robust tree canopy that can offset increased temperatures in land and water and increase livability.

- Analyze current city-wide tree canopy and develop an Urban Forest Management Plan to improve canopy cover, lower heat island effects, promote walkability, and address tree canopy benefits equitably.
- Re-orient staff (public projects, maintenance, transportation staff and engineers) to understand large shade trees as critical infrastructure.
- Budget and support public maintenance of streets and sidewalk impacted by large shade trees, to preserve those trees.
- Consider hiring permanent tree maintenance and tree-planting position.
- Consider mini-grants to assist homeowners in planting trees; and maintaining large-diameter, "heritage" trees.
- Explore potential for shade structures over parking lots, streets, etc., to reduce heat island effect (and potentially host rooftop solar panels).



We value empowering citizens to learn more about climate change.

- City/county host central contact point of contact for relevant climate info, carbon footprint reduction measures, incentives for solarization, electrification, and energy upgrades, etc. for residents, such as a web site.

We value support for community organizations reducing their carbon footprint and becoming more climate-resilient.

- Assess potential for a climate action revolving loan program (for nonprofits, education, et al.) to institute renewables and other climate practices in alignment with a formal climate action plan.

Greenhouse gas (GHG) emissions have far-reaching environmental and human health impacts.

We value reducing our GHG emissions, and taking control of our community's destiny.

- Develop a formal, technically informed, community-wide climate action plan.
 - Include interested local governments (city, port, school district, county, etc.)
 - Set GHG emissions target.
 - Incorporate emissions goals into capital improvement plans for City/County.
 - Include tree canopy, urban heat island, electrification/solar power, and other locally actionable elements in the plan.

We value efficient use of energy resources

- Conduct energy audits of City/County Facilities.
- Evaluate solar installation at local government buildings.
- Consider local incentive fund for residential/commercial solar installations, electrification, and other energy improvements.
- Host workshop to share ROI, lifecycle cost analysis, and incentives, for residents, businesses considering local solar installation; include information in a central point of contact.
- Engage with Public Sector Round Table for energy of NW Public Entities.

We value other opportunities for reducing GHG emissions.

- Partner with solid waste entities (Health Department, Waste Connections, DEQ) to study fugitive emissions from the landfill and ways to capture for potential reuse.



Fossil fuel use is a significant local contributor to greenhouse gas emissions

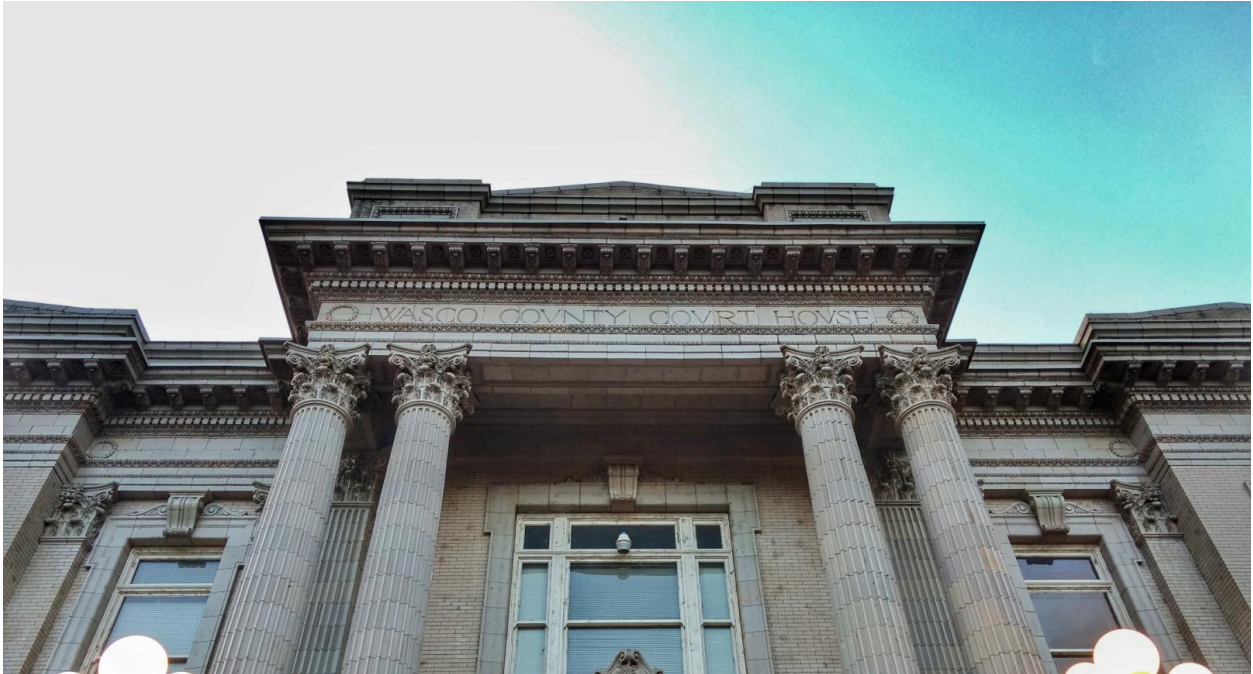
We value adopting non-fossil fuel sources that can support a thriving community.

- Right-size public fleets to electric vehicles where duty-cycle allows. Consider “clean diesel” or other fuel sources where electric is not available.
- Provide strategically placed recharging stations and priority parking for electric vehicles – for both the public, and public agency fleets.
- Assess and experimentally implement an EV car-share program like CRuSE.

Encouraging multi-modal transportation can reduce oil dependency and promote local air quality and health, and support a vibrant community.

- Prioritize multi-modal transportation and linkages to trails/paths.
- Create and budget for annual investment in walking (multiuse) trails and lanes, with emphasis on cross-community commuting, recreation, and safe routes to school.
- Support/build an expanded multi-use urban path system linking Riverfront Trail to both N-S and E-W paths, shopping, schools.

- Build several pedestrian/bike "nodes" or trailheads with appropriate safety, lighting, to access urban paths -- e.g., downtown plaza.
- Evaluate commercial district and arterial street designs (lanes, sizing, traffic calming) to encourage safe use of bikes and pedestrians.
- Encourage use of The Link public transit system.



The built environment can generate up to 40% of CO2 emissions.

We value a built environment that's resilient to extreme weather and minimizes GHG emissions.

- Assess government buildings for durability under extreme events (long "heat domes", dense wildfire smoke).
- Identify solutions for reducing built environment emissions starting with city/county facilities.
- Review local codes and design standards to appropriately support and incentivize solar panels, low-water landscaping, and gray water.
- Consider installing a demonstration lattice wall (aka green wall) on an appropriate government building.

FUNDING AND TECHNICAL ASSISTANCE OPPORTUNITIES FOR CLIMATE RESILIENCE

Oregon – General Categories

Oregon Department of Energy -

<https://www.oregon.gov/energy/Pages/index.aspx>

This is the first place to start when looking for technical assistance and funding for a variety of projects. Examples range from help to homeowners such as rebates for solar installations, to rebates for landlords to install energy efficient heat pumps, to energy audits for rural small businesses and agriculture, to grants to communities of up to \$1,000,000 for renewable energy or climate resiliency projects. Subscribe to selected updates from the ODOE here - <http://web.energy.oregon.gov/cn/a6n53/subscribe>

Oregon Health Authority (OHA) Climate Change and Public Health Program

<https://www.oregon.gov/oha/ph/HealthyEnvironments/climatechange/Pages/index.aspx>

The program offers a great deal of technical assistance related to the intersection of public health with climate adaptation and mitigation. There may also be some grants awarded through regional public health departments.

Oregon Global Warming Commission

<https://www.keeporegoncool.org/>

This commission, formed in 2007, has as its mission to recommend ways to coordinate state and local efforts to reduce Oregon's greenhouse gas emissions, and to help the state, local governments, business, and Oregonians prepare for the effects of climate change. Thus far, all effort toward achieving greenhouse gas emissions goals has been voluntary, and has fallen short of meeting its interim targets. SB 522, Modernization of the Global Warming Commission, would, if passed, expand the scope of the commission, increase staffing to better serve Oregonians, update state greenhouse gas emissions reductions goals, and require state agencies to report on progress toward achieving those goals. The OGWC will likely continue to be an important resource for information and technical assistance.

Federal Funds – General Categories

There are MANY opportunities for federal funding via recently passed federal legislation relating to infrastructure and climate action.

Guidebook to the Bipartisan Infrastructure Law for State, Local, Tribal, and Territorial Governments and Other Partners

<https://www.whitehouse.gov/wp-content/uploads/2022/05/BUILDING-A-BETTER-AMERICA-V2.pdf>

This is essentially 500 pages of funding opportunities for a variety of infrastructure projects, not all related to climate change, but a significant number could apply. For example, there is funding for electric vehicle charging stations to help build out a national network of 500,000 vehicle chargers. There is capital funding available for low or no-emissions public and school bus projects. There is funding for a variety of projects related to clean energy, improving the resilience of the grid, carbon sequestration, and much more.

Guidebook to the Inflation Reduction Act's Investments in Clean Energy and Climate Action

<https://www.whitehouse.gov/wp-content/uploads/2022/12/Inflation-Reduction-Act-Guidebook.pdf>

This is 180+ pages of funding opportunities, ALL of which are related to Climate Action.

Trees and Green Infrastructure

There is a growing number of funding opportunities for Green Space or Street Tree projects, particularly when those projects prioritize environmental equity within communities, and when communities have tree or green infrastructure plans in place.

The Arbor Day Foundation

The Arbor Day Foundation has long been promoting trees in communities. While they do provide many small trees to individuals for Arbor Day, they also have some corporate partners that help with large grants (\$20,000) to organizations in the form of community green space awards. <https://www.arborday.org/programs/BankofAmericaGrant/>

Oregon Community Trees

<https://www.oregoncommunitytrees.org/>

Mission is to promote healthy urban and community forests through leadership, education, awareness and advocacy. This organization will assist community groups, local governments, and schools with their expertise and limited resources. OTC offers small grants of up to \$500 to cities to boost their Arbor Month activities.

<https://www.oregoncommunitytrees.com/grants>

Oregon Department of Forestry Urban and Community Forest Program

<https://www.oregon.gov/odf/forestbenefits/pages/urbanforests.aspx>

This program offers expertise of urban forestry staff, tools for communities such as the [Urban Forestry Toolkit](#) and [TreePlotter Inventory](#) software, as well as [grants](#).

Potential Legislation – Green Infrastructure / TREES Act [HB 3016](#)

This bill, currently in the Oregon legislature, has received its first public hearing with overwhelming support. In fact, there is currently no opposition to it. If passed, the bill will provide grants to Oregon communities specifically to assist with improving their urban tree canopy. This is a well-drafted bill that incentivizes communities to hire local workforce for their green infrastructure projects, it addresses the well-documented disparity in tree canopies between affluent and less affluent neighborhoods, and it provides technical assistance communities will need (from the Oregon Department of Forestry) to plan and implement their projects successfully.


Education

Here are just a few of the many funding sources available in Oregon related to education about climate change.

- [Oregon Community Foundation](#)
- [Meyer Memorial Trust](#)
- [Gray Family Foundation](#)

Community Resilience And Climate Justice

NOAA Climate and Societal Interactions grants (from Bipartisan Infrastructure Law)



<https://cpo.noaa.gov/Funding-Opportunities/CPO-Climate-and-Societal-Interactions-CSI-Division-Bipartisan-Infrastructure-Law-BIL-Funding-Opportunity>

Supports collaborative research and community engagement projects that improve climate adaptation planning and action.

US Department of Housing and Urban Development Economic Resilience Programs

https://www.hud.gov/program_offices/economic_resilience

The Office of Economic Development (OED) offers a wide range of funding and other assistance in a variety of categories. Here are just a few: Financing High-performance infrastructure, Community Resilience, Multi-family Better Buildings Challenge, and the Renew300 Initiative, which aims to help federally assisted housing properties manage utility costs through the installation of onsite or community-based renewable energy technology.

US Climate Resilience Toolkit

<https://toolkit.climate.gov/content/funding-opportunities>

EPA Environmental Justice Funding and Technical Assistance

<https://www.epa.gov/environmentaljustice/environmental-justice-grants-funding-and-technical-assistance>

EPA Building Blocks for Sustainable Communities

<https://www.epa.gov/smartgrowth/building-blocks-sustainable-communities>

Transportation

Oregon Department of Transportation (ODOT)

There are a variety of funding opportunities available through ODOT. Here are a few:

- **Small Urban and Rural Carbon Emissions Reduction Projects -**

\$13 million is available in 2023 under an ODOT-managed competitive grant program. Eligible projects must reduce emissions from transportation and be in urban and rural areas of the state with populations fewer than 200,000. This is part of the federal [Carbon Reduction Program](#) that will bring \$82 million to Oregon over the next

five years. [Here is more information about this project](#). ODOT is hosting a webinar for potential applicants on March 15 at 2 pm. Someone from The Dalles and Wasco County really should attend to help our community apply for these funds. Here is the link to register.

- **Connect Oregon**

<https://www.oregon.gov/odot/Programs/Pages/ConnectOregon.aspx>

This state initiative specifically invests in “non-highway modes of transportation. Previously, this included bicycle/pedestrian and transit projects, though these will have different funding sources going forward. Future projects will include aviation, rail, and marine projects.

- **Oregon’s Five Year EV Charging Infrastructure Roadmap**

<https://www.oregon.gov/odot/climate/Pages/NEVI.aspx>

\$100 million has been committed by ODOT over the next five years to public EV charging stations. Local governments and businesses can express their [interest in hosting public charging stations here](#).

The Built Environment

Federal Homeowner Tax Credit FAQs

<https://www.irs.gov/pub/taxpros/fs-2022-40.pdf>

Potential State Legislation

The 2022 Oregon Legislative Session resulted in the [Resilient Efficient Buildings Task Force](#) with the goal of reducing climate pollution from our built environment. The REBuilding Task Force held 17 public meetings over nine months and was made up of more than two dozen members from across Oregon, representing a variety of stakeholders: lawmakers, health experts, contractors, architects, local governments, community organizations, labor unions, climate experts, consumer watchdogs, and representatives from electric utilities and the gas industry. Their task was to produce recommendations for legislation related to the Task Force’s goal. Here are the four bills that resulted. Note that these are not in their final form, but it’s thought they are very likely to pass in some form, due to the bipartisan nature of the task force. If these bills pass, there will be additional technical support and funding for

- [SB 868](#) **Healthy Heating and Cooling for All**

This bill aligns energy efficiency programs with state climate goals, sets a heat pump target for the state, supports workforce development, and improves navigation of federal and state incentives for energy efficiency and retrofits of homes and businesses. Here is a [one-pager](#) from the bill sponsors while the bill text is being drafted.

- **[SB 869](#) Build Smart from the Start**

Buildings are the second largest source of carbon emissions in Oregon. An existing Executive Order (20-04) requires the Building Codes Division to evaluate and report on Oregon's current progress toward achieving goals for new residential and commercial buildings, and options for achieving that goal. This bill would codify this executive order into law and do a few other good things, too. Here is a [one-pager](#) from the bill sponsors while the bill text is being drafted.

- **[SB 870](#) Building Performance Standards**

Older buildings consume more energy and produce more carbon emissions than newer buildings. This bill will establish building performance standards for large commercial buildings to reduce their energy use and climate emissions over time, requiring them to meet energy and emissions reduction targets over time from a flexible menu of improvements. It is modeled after [Washington State BPS](#), which passed in 2019. Here is a [one-pager](#) from the bill sponsors while the bill text is being drafted.

- **[SB 871](#) Smart State Buildings**

This bill removes barriers to accelerate energy retrofits and upgrades in state buildings, allowing the state to lead by example, and demonstrate how increasing resilience and efficiency and transitioning to clean energy is feasible, affordable, and beneficial. Here is a [one-pager](#) from the bill sponsors while the bill text is being drafted.



Climate Action Asset Guide

3.8.2023

Created by the Climate Resiliency Committee
A joint effort between City of The Dalles and Wasco County
Wasco County, Oregon

The table below compiles organizations and their climate mitigation/adaptation actions.

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 information ● 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/ https://www.nwascopud.org/programs-and-services/pure-power-program/ 	

Organization	Climate Impact Actions
	<p>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/Custom-Service-Policy-March-2022.pdf Policy 41 at page 24 https://www.nwascopud.org/residential/residential-rates/ https://www.nwascopud.org/commercial/commercial-rates/
NW Natural	
	<p>Website: nwnatural.com 503-610-7954</p> <ul style="list-style-type: none"> ● Energy Efficiency Upgrade Programs: Rebates for weatherization, heat rated fireplaces, water heaters, commercial buildings, residential single and multi-family buildings. https://www.nwnatural.com/ways-to-save/savings-programs https://www.energytrust.org/commercial/multifamily-cash-incentives/ https://www.energytrust.org/commercial/existing-buildings-oregon-cash-incentives/ https://www.energytrust.org/residential/incentives/ https://energytrust.clearexplorer.com/explore_app/ ● Smart Energy programs: <i>Commercial & Residential</i>- Mitigating carbon emissions from the natural gas use through project that reduce or prevent the release of greenhouse gases. https://www.energytrust.org/residential/incentives/ ● Developed Low Carbon Pathway- Our mission to work with stakeholders on a voluntary carbon savings goal of 30% by 2035, and be a carbon neutral energy provider by 2050. https://www.lesswecan.com/ ● Vision 2050- Destination Zero- NW Natural report on carbon neutrality future. https://www.nwnatural.com/about-us/the-company/carbon-neutral-future

Organization	Climate Impact Actions
<ul style="list-style-type: none"> ● Complimentary Equipment inspections- Tech will perform annual equipment inspection for residential and commercial sites. Tech can identify areas where improvements or repairs can be performed for better equipment efficiency. https://www.nwnatural.com/business/services/inspections-tune-ups/schedule-inspection 	
<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.
<p>NATURAL RESOURCES / SYSTEMS / LAND USE</p>	
<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.
<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.

Organization	Climate Impact Actions
	<ul style="list-style-type: none"> • Climate Change page: https://www.oregon.gov/odf/forestbenefits/pages/climate-change.aspx • <u>Landscape Resiliency Program</u> - 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. • <u>Firewise USA residential fire protection program by the National Fire Protection Association</u> - 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. • <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 	

Organization	Climate Impact Actions
	<p>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.</p> <ul style="list-style-type: none"> ● <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	
Mid-Columbia Economic Development District	<ul style="list-style-type: none"> ● Reduces carbon emissions by providing public transportation (The Link)

Organization	Climate Impact Actions
https://www.mcedd.org/ 541-296-2266	<ul style="list-style-type: none"> ● MCEDD Energy & Project Manager
NETWORKS	
<p>Columbia Gorge Climate Action Network https://cgcan.org/about/</p>	<p>The Columbia Gorge Climate Action Network (CGCAN) educates, organizes and motivates Columbia Gorge activists to reduce and eliminate fossil fuel usage and climate change, at all levels from individual to global. We encourage clean local renewable energy, conservation, community sustainability and resilience throughout our National Scenic Area.</p> <ul style="list-style-type: none"> ● Political Action/Direct Action ● Education/Personal Footprint ● Community Footprint ● Divestment

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>

Resources

City of Hood River Energy Audit

<https://cityofhoodriver.gov/analysis-city-energy-use-summer-2020/>

Grant Resources

<https://www.nwascopud.org/programs-and-services/energy-efficiency-and-rebate-programs/>

<https://www.nwascopud.org/programs-and-services/electric-vehicles/>

<https://www.commuteoptions.org> (Kim Curley, Kathy Fitzpatrick)

<https://www.oregon.gov/energy/Incentives/Pages/CREP.aspx>

<https://oregoncounties.org/oregon-department-of-energy-announces-12-million-in-grant-funding-for-renewable-energy-and-energy-resilience-projects/>

<https://www.energy.gov/funding-financing>

<https://www.energy.gov/indianenergy/current-funding-opportunities>

<https://energycommunities.gov/funding-opportunities/>

<https://www.insidephilanthropy.com/fundraising-for-climate-change>

EXHIBIT C

Time Line for Presentation of the Developing Climate Resilience in Wasco County Document

- March 17** All comments or changes need to be submitted to Dan Richardson
- Dan to share major comments/edit suggestions with group
 - Dan and subcommittee to work up near-final report draft
- March 24** Committee near-final draft due: To share with stakeholders
- April 5** Or, before: share report with City Manager for review and to be put on the Agenda for April 24 City Council meeting. Submit to City Clerk Izetta Grossman to be added to the agenda for City Council Meeting (igrossman@ci.the-dalles.or.us)
- April 24** City council meeting: Presentation of process and report by Debi & Lisa to lead. ... Committee members requested to attend live or by Zoom for support.
- March 28** Leadership Committee Team Meeting with the department heads
- April 11** Submit to Kelly Howsley-Glover, Wasco County Planning Director for
April 13 County Management Team Meeting
kellyg@co.wasco.or.us
- April 25** Submit to Kathy Clark, Assistant to County Commissioners to present
kathyc@co.wasco.or.us
- May 3** County Commissions Meeting. Presentation of process and report by Debi & Lisa to lead. ... Committee members requested to attend live or by Zoom for support.