

MINUTES FOR THE CLIMATE POLICY COMMISSION
Friday, September 18, 2020; Held Electronically

1. Call to Order (item starts at 00:23 on video)

Chair Tonya Graham called the meeting to order 2:41 p.m. Commissioners Rick Barth, Chris Brown, Bob Kaplan, Ray Mallette, Gary Shaff, and Jeff Wyatt were present. Staff liaison Stu Green was also present. Commissioner Julian Bell was absent.

2. Consent Agenda (0:29)

2.1. August 13, 2020 Minutes

Kaplan/Mallette moved/seconded to pass the August 13, 2020 meeting minutes. Further discussion: none. All ayes. Motion passed unanimously.

3. Announcements (1:00)

3.1. Next Meeting: October 8, 2020

3.2. Commission Membership Change & Open Positions (1:06)

Graham announced the current vacancies. She will follow up with an interested high school student on applying and plans to reach out to Southern Oregon University (SOU) in regard to the university student vacancy.

3.3. Staff Update (1:58)

Green asked for someone to track action items and Mallette volunteered. Green gave an update on scheduled planning processes:

- Water Master Plan is complete.
- The Transportation System Plan (TSP) will resume in 2021.
- The Airport Master Plan, Talent Ashland Phoenix Intertie (TAP), and Stormwater Master Plan are in progress.

Graham later stated that the Airport Master Plan incorporated the potential for a solar installation and the Climate Policy Commission (CPC) could work with the Airport Commission for planning the installation.

- Ashland Parks and Recreation Commission (APRC) will create a Pool Master Plan; which will require APRC approval in addition to Council approval.

Kaplan later mentioned that looking at the design for the new pool should be considered as the pool is the largest Natural Gas consumer among the City's facilities. APRC will have an electric option from the designer. Brown spoke to looking at the pool's cleaning system and impacts on climate and general health. With enough interest expressed in having an APRC representative, Green will reach out to APRC to talk at a future meeting.

- No Comprehensive Plan elements are scheduled, but there are State mandated code updates that will be worked on by Community Development.

Graham later stated that the Council will go through a Strategic Planning process next year and should discuss updates to the Comprehensive Plan.

- A Housing Needs Analysis is in progress. This is a technical document that will be attached to the Comprehensive Plan.

Green also updated the Commission on the following:

- The Electric Utility Director, Tom McBartlett, was introduced and presented later in the meeting. An Avista representative is scheduled to present at the October meeting. Adam

Hanks, Interim City Administrator, might also be present at that meeting in Green's absence.

- On-bill financing for climate retrofit loans was discussed with Finance staff.
- The Transportation Commission made the following motion in regards to spending Clean Fuel Credits: "the City Council shall ensure clean fuel program revenues are exclusively reinvested in transportation projects which create additional clean fuels credits, increase electrification, and/or support the City's Climate Energy Action Plan Transportation Goals".

Graham asked when the Clean Fuel Credits would be presented to Council for a decision. Green stated the Credits would be presented as a budget amendment when the credits are monetized. Some discussion surrounded making a similar statement or motion regarding how the credits should be invested.

- Difference in meaning of project terms, such as, goal, tactic, etc. is illustrated in an infographic and information on project scoping were linked at the bottom of the staff update memo.

- The City has entered a mandatory Stage One Water Curtailment.

Shaff asked for more information on consumption of water users as stage one seemed a larger amount than most residential uses. Graham stated that the curtailment is the first step and includes those who might have additional people in their homes. Stage one and the voluntary conservation that others are doing would meet the water needed to conserve even if the cut off will not affect many.

- The electric vehicle (EV) public charging upgrade is almost complete downtown.

Shaff asked what the status of heat pump water replacement program was. Green will ask the program designers and can connect with Shaff to discuss this further. Mallette wanted the Water Management and Conservation Plan on the plan list to be updated in 2023. Mallette also asked if the Electric Utility Master Plan would be a separate document or part of the Comprehensive Plan. Green stated that this could be discussed later as needed.

3.4. Other Announcements from Commissioners

There were no other announcements from Commissioners.

3.5. Reports from Representatives of Other Commissions

There were no reports from representatives of other Commissions.

4. Public Forum (24:34)

No public forum was submitted for this meeting.

5. Presentation (24:43)

5.1. Electric Utility Director Tom McBartlett

McBartlett gave a presentation on the Electric Utility (see attached). Discussion included:

- Ashland's electric mix compared to the rest of Oregon. McBartlett noted that Pacific Power does plan on retiring coal plants which will increase the use of cleaner sources of electricity.
- The main focus of the City and Commission should be resiliency of electric grid and electrification.
- The contract with Bonneville Power Administration (BPA) and limits on expanding local generation projects.

- Creating an Electric Utility Master Plan in relation to the BPA contract. A data request for a rate study was done to ensure the Utility is covering its expenses and capital investment. The master plan could also include renewable projects like hydroelectric or solar even if they are not completed yet.
- The ability to meet capacity as more electrification occurs. McBartlett stated that a model could be created to show what the need for an all-electric Ashland would be.
- Microgrids implemented in City facilities and possible on-bill financing for solar customers to purchase microgrids.
- How to engage with citizens in terms of keeping lights on and addressing Greenhouse Gas (GHG) emissions. CPC could take the lead on that planning and coordination after the master plan is complete.

6. Old Business

6.1. Council Annual Report Debrief (1:12:10)

Barth mentioned that the Subcommittees not being able to meet came up when presenting to Council. Graham cited staff capacity as a result to reductions and current emergencies as the reason for not having Subcommittees. Some discussion surrounded meeting one on one and if a shared document could be used in place.

Barth also asked when the next time CPC can go before Council about their interaction process with Council. Graham stated that the interaction process would have to wait for the new Council. For items with no major decisions November or December could be times to go to Council.

6.2. Focus Areas Definition (1:28:25)

Graham announced the focus areas and subsequent projects would have a lead project person who would be responsible for gathering information.

Kaplan referred to the August memo which focused on electrification and planning as areas to work on instead of using the previous Subcommittee categories. He stated that electrification can go beyond just the Built Environment category. Barth wanted to keep with the previous categories as that was the outline set last Fall. The electrification tasks presented in 6.4.2.1. could be split further to under the Utilities and Built Environment categories. Kaplan and Barth will revisit the electrification items and split them into Utilities and Built Environment focus areas.

6.3. Focus Areas Progress

6.3.1. Utilities

6.3.1.1. Executive Order 20-04 Progress Tracking (1:47:02)

Wyatt gave an update on the Executive Order progress for the Oregon Building Code Division, the Oregon Department of Energy, and the Public Utilities Commission (see attached). Graham stated that some code changes at the State level could eliminate the need for CPC to request these changes at the City level. CPC could request that Council send support letters to the State agencies for these code changes. Wyatt will keep tracking the Executive Order progress and bring back items when developments and progress is made including any changes to building codes.

6.3.1.2 Schedule of Comprehensive Plan Elements Update (2:05:55)

This item was discussed earlier under the staff update.

6.3.1.3 Comprehensive and Master Plan Processes (2:06:10)

Mallette stated that a presentation on TAP will be given at the October 5 Council meeting. He is hoping to see the final draft and have the Commission approve a review before this item goes back to Council for approval.

6.3.1.4 SOCAN Survey Report

Due to a lack of time, this item will be moved to the next meeting.

6.3.2. Built Environment

6.3.2.1 Electrifying Ashland

Due to a lack of time, this item will be moved to the next meeting.

6.3.2.2 PV Ready Requirements Update

Due to a lack of time, this item will be moved to the next meeting.

6.3.3. Administration & Planning

6.3.3.1 CEAP Update

6.3.3.2 Agenda & Packet Deadline

6.3.3.3 Shared online document and other subcommittee alternatives

Due to a lack of time, all of these items were moved to the next meeting.

7. New Business

7.1. Election of Chair and Vice Chair (2:07:16)

Shaff nominated Bell and Kaplan nominated Barth for Chair. Barth agreed and Shaff had previously spoken with Bell who accepted the nomination. After a roll call vote, Barth was elected as the Chair with six votes for Barth and one vote for Bell. Vice Chair elections will be at the next meeting.

8. Wrap Up (2:17:00)

8.1. Future agenda items

- AVISTA Presentation (October)
- Council Interaction Process (October)

Graham reviewed the items from this meeting which will continue on to the next. Green reminded the Commission that packet materials will be due the Tuesday before the packet goes out; September 29 for October meeting.

Mallette reviewed the following action items:

1. Adam Hanks to confirm if Avista will present at the next CPC meeting.
2. Green will confirm how clean fuel revenues can be used for electrification in lieu of the Transportation Commission motion.
3. Green will check if City money is still available for hot water tank conversions to electric power.
4. Green will add the Water Management and Conservation Plan to the list of Master Plans.
5. Mallette will review the TAP Master Plan when available next week for any Climate and Energy Action Plan (CEAP) additions before the October 5 Council Study Session.
6. Commission will determine when to meet with APRC regarding the pool energy use and sources.
7. Commission will be updated on timeline for Electric Utility Master Plan and possible inclusion to Comprehensive Plan outlining future demand and energy sources to accommodate the BPA contract negotiations.

8. Barth, Green, and Kaplan will assign the electrification tasks to the CPC focus groups.
9. Staff will clarify discussion on how Subcommittees can continue.

Chair Graham adjourned the meeting at 5:01 p.m.

Respectfully submitted,
Elizabeth Taylor



Ashland Electric Utility

Utility at a Glance

About 12,700 meters

Full Requirements BPA Customer

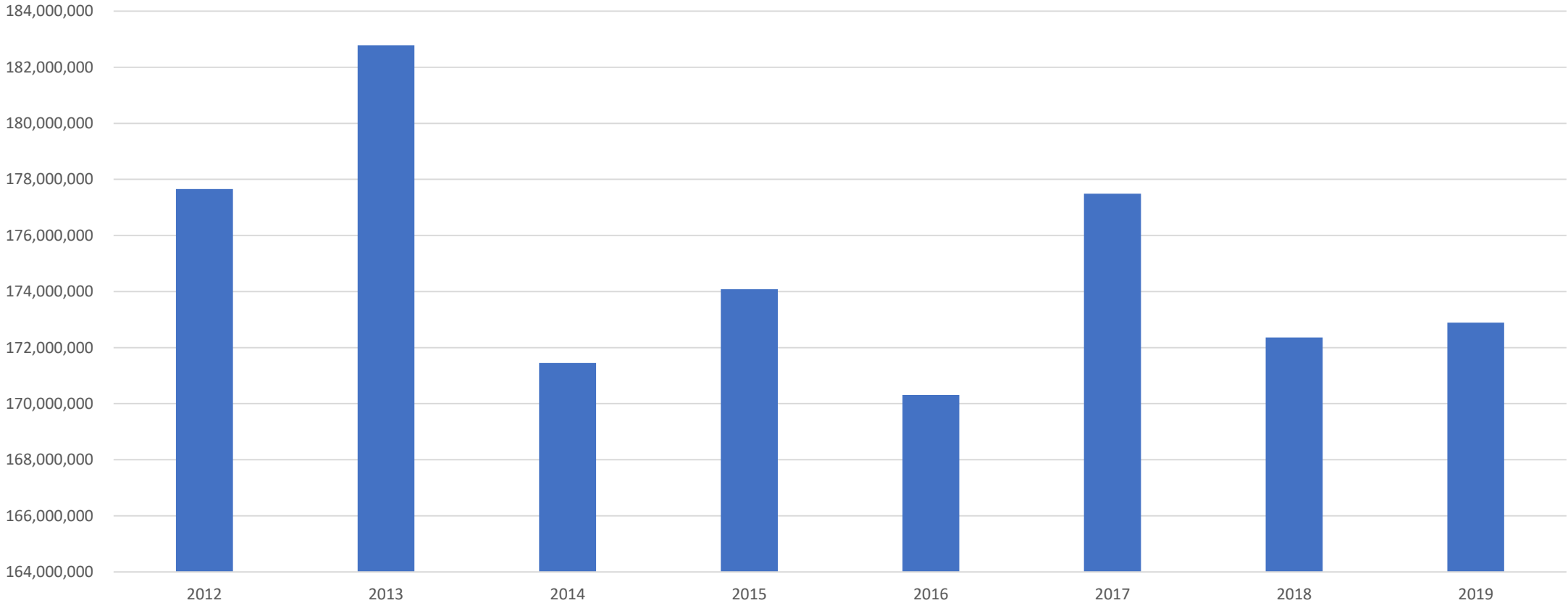
400+ consumer owned solar installations

Own and operate a small hydro generator

17 Full time employees

Ashland Electric Consumption

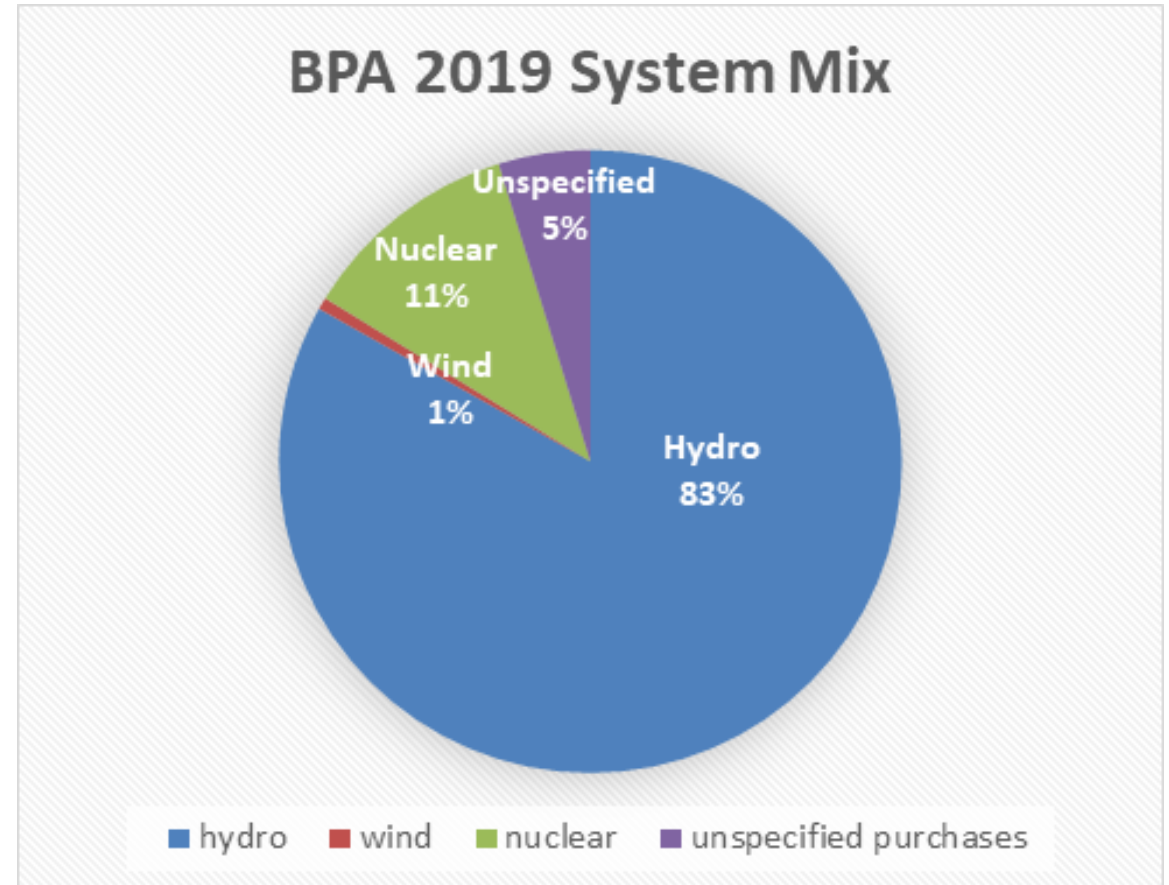
Annual kWh usage



Consumption in Excel

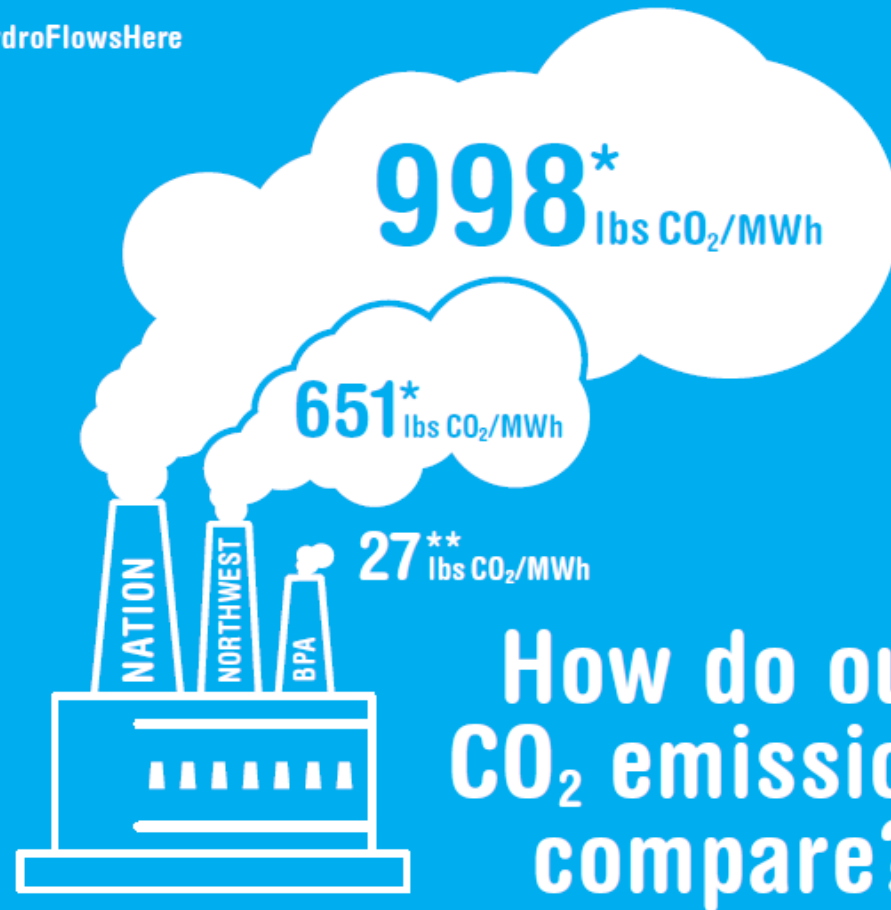
Year	kWh	% change				
2012	177,653,234					
2013	182,784,982	2.89				
2014	171,449,738	-6.20		highest month Dec. 2013	20,942,302kWh	
2015	174,081,170	1.53		lowest month Sept. 2016	11,758,999kWh	
2016	170,307,355	-2.17				
2017	177,489,230	4.22		average monthly	14,573,072kWh	
2018	172,357,393	-2.89				
2019	172,891,785	0.31				
2012-2019 growth		-2.68				

Where the
Electricity
comes from



How we
compare

#HydroFlowsHere



How do our
CO₂ emissions
compare?

Thanks to the carbon-free nature of hydropower, BPA CO₂ emissions are dramatically lower than the regional and national averages.

*EPA's Emissions & Generation Resource Integration Database (eGrid) 2016.

**BPA carbon emissions are from unspecified market purchases assigned a default emission rate.



Everyone Please Stay Safe

Thank you for your time

Questions

Tom McBartlett – Electric Director
thomas.mcbartlett@ashland.or.us

Building Codes Division

- Executive Order No. 17-20 focused on the built environment. Reducing energy use and increasing efficiency will help lower emissions from the built environment.
- EO 20-04 requires:
 - BCD to update code to achieve 60% reduction in new building energy consumption by 2030.
 - Report progress
 - Establish and measure baseline metrics and reductions

Building Codes Division – Recent Activity

- Adopted Zero Energy Ready requirements in 2019 code update for commercial structures
 - A zero energy building is one in which energy efficiency is maximized, the capacity to meet the building’s energy needs with renewable energy sources has been enabled, and site and community-based renewables are prioritized.
- Additional wildfire hazard mitigation provisions added to Oregon Residential Specialty Code in 2019
 - Addressed roofing, exterior walls and fixtures, ventilation



Step One: Optimize Efficiency	Step Two: Do No Harm	Step Three: Ensure Future Ready
Enclosure	Water Protection	Solar Ready
Equipment	Ensured Comfort	Forthcoming Codes
Appliances/Lighting	Indoor Air Quality	Resilience [Future]

Building Codes Division - Current Activity

- EO 17-20 directed an amendment of the state building code to require all newly constructed buildings be ready for installation of solar panels and related technologies by October 1, 2020, for residential structures.
- Implementing Solar Ready provision for new residential construction in 2021 code update
 - Includes the raceway but allows wiring to be installed in place of the raceway;
 - Requires that, for dwellings with 600 square feet of contiguous roof area, located on a single roof plane facing a direction other than north, the construction documents shall indicate a 300 square foot solar-ready zone.
 - Requires that there is space on the electrical service panel for a double-pole circuit breaker reserved for future solar electric installation.

Building Codes Division - Upcoming

- Electric vehicle readiness
- Zero Energy Ready on residential structures
- EO 20-04
 - Establish baselines & metrics
 - Interim September 15, 2020 report to Governor (not yet available)
 - Update Reach Code (likely Zero Energy Ready)

Building Codes Division – 2021 Changes

2021 Oregon Residential Specialty Code Energy Provisions approved in August 2020

- Requires whole-house mechanical ventilation for each dwelling unit including heat recovery ventilators.
- Requires all conditioned spaces within residential buildings comply with envelope insulation value requirements.
- Clarified glazing and air leakage requirements.
- Requires HVAC duct insulation
- Requires energy star certification for ventilation fans
- Requires the first 8 feet of pipe into and out of the water heater to be insulated.

Building Codes Division – Water Heaters

- Pending provision to add insulation requirement on first run of piping. (8')
- No preference for gas vs. electric
- Energy Trust of Oregon offers discounts on both gas and electric water heaters.

Oregon Public Utilities Commission

- Executive Order 20-04 Requirements
 - Wildfire risk mitigation
 - Incorporate GHG goals in PUC deliberations
 - Utility investment in EV infrastructure.

Oregon Public Utilities Commission - Wildfire

- Evaluate electric companies' risk-based wildfire protection plans and planned activities to protect public safety, reduce risks to utility customers, and promote energy system resilience in the face of increased wildfire frequency and severity
- On August 25 OPUC initiated the informal phase of a rulemaking to address risk-based wildfire protection plans and planned activities consistent with Executive Order 20-04.
 - Gather stakeholder input
 - Draft rules

Oregon Public Utilities Commission - Wildfire

Oregon Wildfire & Electric Cooperative

- On March 10, 2020, Governor Brown issued [Executive Order 20-04](#), which directs the Oregon Public Utility Commission (PUC) to convene workshops to assist electric companies, consumer-owned utilities, and operators of electrical distribution systems to develop and share best practices for mitigating wildfire risk.
- Upcoming Workshop - System Hardening. Thursday, October 1, 2020 from 1 - 4 p.m. (PT)

Oregon PUC - Transportation Electrification

- PacifiCorp Public Charging Pilot
 - Mill City In Progress
 - Madras Completed
 - Otis Under Construction
 - Bend Completed
 - Klamath Falls In Progress
- PGE - seven metro Portland locations
- Additional pilots scheduled for more charging stations will be installed in Bend, Coos Bay, Roseburg, Medford, East Portland, Hillsboro, Milwaukie, Portland, and Wilsonville

Oregon PUC – Selected Stakeholder Comments

- Provide incentives and remove barriers to fuel switching
- Decarbonize utilities through more flexible accounting and depreciation of existing emitter resources
- The EO isn't particularly helpful, in that it doesn't rebalance the priorities of the PUC
- Modify ETO programs to increase GHG reductions
- Prioritize actions that will achieve deepest decarbonization
- people of color and low-income customers served by crumbling infrastructure as others move toward decarbonization

Oregon Dept of Energy – Appliance Standards

- EO 20-04 directs ODOE to update energy efficiency standards for products at least to levels equivalent to the most stringent standards among West Coast jurisdictions
- High CRI fluorescent lamps, Commercial dishwashers, Computers and computer monitors, Commercial steam cookers, Faucets, Residential ventilating fans, Shower heads, Electric storage water heaters, Commercial fryers & Portable electric spas
- Rulemaking is required to be completed by September 1, 2020.
- Oregon law requires energy efficiency standards to be specified in statute. We anticipate filing the final legislative concept by December 12, 2020 for consideration in the 2021 Legislative Session.

Oregon Dept of Energy – Building Codes

- ODOE will cooperate with BCD in evaluating and reporting on Oregon's current progress towards achieving the goals in the EO, with a report due on September 15, 2020.
- November 2020 deliverable - Interim models or performance expectations for 2023 and 2026 code cycles.

Oregon DOE – Transportation Electrification

- The Oregon Department of Transportation, Department of Environmental Quality, Oregon Department of Energy, and Department of Land Conservation and Development s will deliver a two-year work plan to the Governor no later than June 30, 2020.
- “The Oregon Department of Energy is excited to do its part to implement the directives of Executive Order 20-04 to reduce GHG emissions and fight climate change in our state.”