President Karp called the Regular Session to order at 6:00 p.m.

Director Smith will not be in attendance tonight since he is on vacation.

The following individuals were present during the Regular Session:

**Counsel:** James Foster

**NWCPUD Staff:** General Manager Roger Kline; Assistant General Manager/Director of Power Resources Kurt Conger; Chief Innovation Officer Paul Titus; Executive Assistant Kathy McBride; CFO/Director of Finance & Enterprise Risk Harvey Hall; Key Accounts Manager Justin Brock; Director of Corporate Services Cyndi Gentry; Senior Financial Analyst Lana Egbert; Senior Financial Analyst/Contracts, Risk and Supply Chain Sue Powers; Asset/Program Manager Steve Horzynek; Substation Wireman Technician Doug Daniels; Joint Use and Regulatory Compliance Program Manager Tom McGowan; and Financial Analyst Dan O’Connell.

**Visitors:** Scott Taylor; Jody Daniels; and Jana O’Connell

**PUBLIC COMMENT**

There was no one present wishing to provide public comment.

Asset/Program Manager Steve Horzynek introduced Substation Wireman Technician Doug Daniels and Joint Use and Regulatory Compliance Program Manager Tom McGowan; both began working for the District last month.

Chief Financial Officer/Director of Finance & Enterprise Risk Harvey Hall introduced Financial Analyst Dan O’Connell who began working last month and who was hired to take Nichole Fimpel’s job after she was hired for the Engineering & Operations Coordinator position.
Director Gonser stated that he will be talking later about the recent Oregon People's Utility Districts Association (OPUDA) Lobby Day where elected Directors go through the entire Oregon Legislature House and Senate lobbying for electrical issues. He wanted to share with those in attendance the informational materials, which were distributed on Lobby Day in Salem. A copy of these informational handouts is hereto attached and marked as Exhibit 1.

**CONSENT AGENDA**

Items contained in the consent portion of the Agenda includes the following:

- Regular Session Minutes of March 5, 2019
- Special Session Minutes of March 12, 2019
- February Outage Report
- Energy Management/Marketing Report
- Checks/Vouchers
- February Financial Report
- February Write Offs
- Resolution #02-2019 in the matter of designating Representatives as authorized signators for the Bank of the West Accounts

The Board considered the approval of the April 2, 2019 Consent Agenda.

{{Director Howe moved to approve the April 2, 2019 Consent Agenda as presented. Director Gonser seconded the motion; it was then passed unanimously.}}

At 6:05 p.m. the Board convened as the District's Contract Review Board.

**CONTRACT REVIEW BOARD**

Consideration and approval to purchase a Tracked Hydraulic Derrick with Trailer and Attachments:

Asset/Program Manager Steve Horzynek presented staff's recommendation on the purchase of the Altec Tracked Hydraulic Derrick with trailer and attachments for the purchase amount of $201,039.

Horzynek stated that the District has aging infrastructure, which has been identified in the maintenance plan, that is due for proactive maintenance. This aging infrastructure is located in many restricted access areas in the District's service territory. The tracked
hydraulic equipment is designed for hard to access facilities. Staff has researched and field tested the Altec Tracked Hydraulic Derrick with trailer and attachments. The equipment lends to the District’s risk management considerations.

Horzynek noted that the Derrick, trailer and attachments are available through Sourcewell, who is a nationally recognized cooperative purchasing association. The total cost for the specified equipment, trailer and delivery is $201,309.

Some discussion occurred regarding the proposed purchase, the ability of the equipment to access restricted areas, the life expectancy of the equipment, where the equipment can be serviced, and the ability for the District to piggy back on to the public agency procurement through Sourcewell.

{{Director Howe moved to authorize the purchase of the Altec Model DB41B Tracked Hydraulic Derrick with trailer and attachments through Sourcewell for the purchase cost of $201,039. Director Williams seconded the motion; it was then passed unanimously.}}

General Manager Roger Kline noted that the purchase of the Derrick was included in the District’s Capital Budget.

Consideration to Award Transmission and Distribution Utility Service:

Asset/Program Manager Steve Horzynek presented staff’s recommendation to award the Transmission and Distribution Utility Service Contract to Michels Power for an amount not to exceed $450,000.

Horzynek noted that the District is currently experiencing labor resource constraints while the need to rebuild and replace system circuits, structures, and equipment remains. System improvement projects initiated by District customers and developers may be assigned to the contractor under the labor and equipment agreement with the District. The District has solicited to contractors to provide a labor and equipment price not to exceed $450,000.

Horzynek stated that it is staff’s recommendation, after consideration of the evaluation criteria, for the Board to award the Transmission and Distribution Utility Service Contract to Michels Power to provide labor and equipment on a labor and equipment basis, at the agreed upon billable rate, for a duration of time that the total accrued billing reaches up to but shall not exceed $450,000.

General Manager Kline stated that the Request for Proposals was written to support operations and maintenance (O&M) and capital work since the District has the need to renew and to expand our infrastructure.
Director Gonser moved to accept staff's recommendation to award the Transmission and Distribution Utility Service Contract to Michels Powers for an amount not to exceed $450,000. Director Williams seconded the motion; it was then passed unanimously.

At 6:20 p.m. the Board adjourned as the Contract Review Board and reconvened into Regular Session.

DIVISION UPDATES

Engineering/Operations:

Asset/Program Manager Steve Horzynek provided the Engineering/Operations Report since Operations and Engineering Manager Pat Morehart is away at the American Public Power Association (APPA) Engineering and Operations (E&O) Conference supporting Apprentice Lineman Tucker McCabe who is participating in the APPA Apprentice Rodeo. Tucker has advanced from the fourth to the fifth step in his Lineman Apprenticeship. McCabe has been a hot apprentice since advancing to the fourth step. McCabe has excelled throughout his training.

Horzynek provided the following report:

The Dalles Marina Rebuild Project:

- All four (4) floats with transformers have been installed.
- All of the meter pedestals on all four (4) fingers are installed with wire being terminated.
- The sewer lift station service is energized.
- Starting next week, the contractor will be transferring the services beginning with the "A" finger.
- Completion of the project is expected by May 4, 2019.
- Photos of the Marina were viewed at this time. A copy of these photographs is hereto attached and marked as Exhibit 2.

Some discussion occurred regarding the Marina Project.

Horzynek noted that the old electric infrastructure at the Marina will be torn down by the end of the month, and AMI meters will be installed once the smart meters are deployed.

Director Gonser noted that he ran into a couple of boat house owners who are extremely pleased with the project.
Michels Power:

- Michels Power, District Contract Crew, returned from storm damage work to complete the following District projects:
  - E. 16th Street and Walnut Street – replacement of four (4) primary poles and reconductoring overhead wire.
  - E. 9th Street and Dry Hollow – replacing three (3) primary poles
  - Remington Road, Phase I – replacing nine (9) poles and reconductoring the three phase overhead lines.
  - Holiday Inn Express on W. 6th Street and Pomona – three phase underground conversion.
- Michels Power completed the current Transmission Distribution Utility Service Contract last week and is taking time off until April 10, 2019.

PUD Crew:

- The District’s crew is currently working on a back-lot upgrade located at E. 8th Street and Kelly Avenue; removing primary from the back-lot line.
- The crew has corrected a situation where the underground conduit was exposed from a land owner excavating a driveway on NW Drive.
- The District’s crew is preparing for a new irrigation primary service in Tygh Valley.
- Secondary service was installed to the new Veterinary Hospital on River Trail Way.
- District staff is noticing an increase in projects with the change in weather conditions.

Office Remodel:

- The Engineering Department will be temporarily displaced beginning April 8th for the office remodel project.
- The project is estimated to last one week.
- The District is looking forward to having seven (7) work stations instead of only four (4).

Finance & Risk:

Chief Financial Officer/Director of Finance & Enterprise Risk Harvey Hall reported as follows:

- The District has a positive net income of $264,000 through February 2019.
- The District’s previous load record was 109 aMW; for the month of February we averaged over 113 aMW.
The District held their first Audit Risk Committee Meeting yesterday.
Moss Adams, District Auditor, has no recommendations or modifications to the District’s audit for 2018.
The District has received a clean audit.
District staff closed out 240 work orders during 2018, totaling over $2.2 million.
Moss Adams offered the District a few best practices recommendations.
Moss Adams is impressed with the District’s contract management.

Some discussion occurred regarding the District’s recent audit, the first Audit Risk Committee Meeting, and District work orders.

Director Williams thanked staff for the changes made in District practices over the last three years. Director Williams noted that it is unheard of for a company to change their practices that fast; he felt it was amazing.

General Counsel James Foster stated that the audit is not a financial audit; it is also a procedure and practices audit. He felt it would be helpful for the Board to know how many work orders were opened last year, as compared to the number of work orders closed out.

Hall noted that the Auditor expects staff to close an open work order within 60 days after the project is completed. District staff tries to close out work orders sooner, if possible.

Director Gonser commented that he feels staff has done a phenomenal job from where the District came from; huge improvement.

Hall reported to the Board that the District has hired Alex Hastings as our summer Finance Intern. Ms. Hastings is currently attending college at George Fox University. Ms. Hastings will start on May 13, 2019.

At this time, Hall presented a PowerPoint Presentation entitled “Risk Culture-Appetite-Tolerance”. A copy of said PowerPoint Presentation is hereto attached and marked as Exhibit 3.

Some of the highlights from Hall’s PowerPoint Presentation are as follows:

- Establish the context includes:
  - The internal context
  - The external context
  - The risk management context
  - Develop criteria
  - Define the structure

- An organization's internal context includes:
The factors that influence how it manages risk and tries to achieve objectives
- Governance
- Capabilities

- Defining the following Risk terms:
  - Risk Culture - the manner in which an organization talks and acts about assuming and managing risks; which drives...
  - Risk Appetite – the amount of risk an organization wants to assume; which drives...
  - Risk Tolerance – the level beyond which the organization does not want to assume any more risk, which is driven by its risk culture, risk appetite and the end goals.

- Risk tolerance is developed by taking into account risk culture, risk appetite, and end goals (Strategic Plan).
- The following are areas that are used to measure risk:
  - Safety
  - System Reliability
  - Financial Health
  - Legal-Regulatory Compliance
  - Human Resource
  - Reputation
  - Security – Physical and Cyber

- Next steps are for the Board to define their risk tolerance for each of the categories listed above.
- The Board’s view of risk appetite and tolerance will mature over time and adjust to changing conditions.

Some discussion occurring during and after Hall’s PowerPoint Presentation regarding defining risk tolerance.

Power Resources:

Assistant General Manager/Director of Power Resources Kurt Conger reported as follows:

Hydro Department Updates:

- The Dalles and McNary Hydroelectric Fishway Plants are running well.
- The net head conditions will reduce the output, which typically happens during Quarter 2, April through June, due to runoff conditions.
- Power prices are starting to fall off quite a bit; reduced output at lower price.
- Two (2) new Hydro Operators started work on March 18th at The Dalles Fishway Plant.
Derrick Mauritson has assumed the Chief Hydro Plant Operator Position at The Dalles Fishway since Jay Bonogofsky's retirement.

Conger presented a PowerPoint Presentation at this time. The PowerPoint slides are entitled as: Basin Hydrologic Indicators as of 4-2-2019; Price Indicators; Water Supply and Runoff Forecast; Mid-C Price Trends (as of 4-2-2019); Enel X Auction on 2/20/19; and Forward Price Curve Indicators. A copy of these PowerPoint slides is hereto attached and marked as Exhibit 4.

Some of the highlights from Conger's presentation are as follows:

- There will be a lot of water runoff in April.
- Later in the summer the water level will be substantially below normal, which will drive wholesale power prices up.
- The District is currently balanced on wholesale purchases through 2019.
- The Dalles Fishway Plant in March 2019, ran consistently through the whole month, producing power at or above its normal output levels.
- In early March, staff saw prices topping out at $890/MWh over a whole day.
- The settlement that the District will receive for March 2019, will be over $250,000 for The Dalles Fishway output.
- The cost of energy purchased in 2020 increased primarily for Quarter 3.
- The District purchased Quarter 3 power in the recent Enel X Auction.
- The current price for power sales at The Dalles Fishway is $20/MWh.
- The District’s power positions are holding good.
- The Northwest Energy Management System (NEMS) power purchase will be discussed this evening under New Business.
- The District will conduct another Enel X Auction for calendar year 2020 going forward.

Quenette Creek Substation Energization:

- Bonneville Power Administration (BPA) has accepted substantial completion of the Quenette Creek Substation as of last Thursday.
- The Quenette Creek Substation is completed, however there are no lines going into the substation.
- It will take three weeks to de-energize and to connect into the substation.
- There is at least a month of testing after all lines are installed and connected.
- It is anticipated that around July 2019, the conversion will be started for RiverTrail.
Corporate Services:

Director of Corporate Services Cyndi Gentry deferred her time until the scheduled Executive Session.

Key Accounts:

Key Accounts Manager Justin Brock pointed out that on April 7th of this year, Northern Wasco County People’s Utility District will be celebrating 70 years of providing electric service to our customers. Congratulations.

Brock presented a PowerPoint Presentation entitled “Electric Vehicles, Northern Wasco County PUD Partnership”. A copy of said presentation is hereto attached and marked as Exhibit 6.

The following are highlights of Brock’s presentation on Electric Vehicles:

- Compliance, Exceptional Customer Service, Collaboration & Communication, Technological Innovation & Sustainability, as well as a few others, are all a part of the District’s Strategic Initiatives in the 2018-2028 Strategic Plan.
- The District promotes a culture of compliance consistent with the organizational philosophy that employees conduct business with the highest standards of ethics and integrity; we strive to meet all policy and regulatory requirements.
- Governor Kate Brown signed Executive Order #17-21 on November 6, 2017, directing state agencies to efforts that would improve energy efficiency, boosting electrical vehicle adoption, and to support actions to reduce greenhouse gas emissions.
- Focusing efforts on accelerating the adoption of zero emission vehicles that will result in at least 50,000 registered electric vehicles on Oregon roads by the end of 2020, specifically through regulation, charging infrastructure, fleet conversion, outreach, incentives and private sector partnerships. Providing equitable access to clean energy technology by removing barriers to electric vehicles and electric vehicle chargers.
- Oregon is now on the track of a 10% reduction in green-house gas emissions below 1990 levels, and 75% below 1990 levels by 2050.
- Oregon ranks 5th in the nation of plug-in vehicles per capita. Right now, there are more than 22,000 registered electric vehicles, 1,272 public chargers spread out over 528 locations and seven (7) charging networks operating across the state.
- Electric vehicles are growing at about 35 percent year after year. Keeping with the current pace, that’ll be just over 41,000 registered by 2020.
- Approximately one-third of the state’s green-house gas is contributed to the transportation sector.
- The Clean Fuels Program (CFP) is a component of Oregon’s plan to reduce the lifecycle intensity of the transportation fuels that the state uses.
The Oregon Clean Vehicle Standard Rebate Program offers a cash rebate for Oregon drivers who purchase or lease an electric vehicle. This is not a tax credit. The Oregon Department of Environmental Quality (DEQ) designed the program to reduce vehicle emissions by encouraging more Oregonians to purchase or lease electric vehicles rather than gas vehicles.

The Charge Ahead Rebate is available to low to moderate-income households on the purchase or lease, of a new or used battery electric vehicle only; plug-in hybrids are not eligible. Income requirements vary by where you live in Oregon.

Utilities are developing plans in tandem with state efforts to encourage the adoption of electric vehicles. Whether it be with incentives for the installation of home electric vehicle charging stations, rate design development specific to electric vehicle charging, or acting as an information resource to their customers.

Enhanced collaboration and communication highlight the value of the District to its stakeholders and community.

The District will continue outreach efforts to promote regional cooperation and planning with other utility service providers.

Actively monitor and advance the utilization of new emerging technologies to enhance performance and promote the long-term viability of the District, the community, and our customer owners.

Keeping in mind the District’s strategic initiatives, a plan was developed addressing the following:

- How to utilize Clean Fuel Program Credits.
- Ways to leverage industry partners with procuring a charging station.
- Analyze and determine an ideal location for a charging station in the District’s service territory.
- Get buy-in and acceptance.

Out of the plan came the following idea, which was given to the City of The Dalles Manager Julie Krueger and then presented to The Dalles City Council at their March 11th meeting.

- Locating a charging station at the Lewis and Clark Festival Park.
- The District will meter the charging station.
- The District will install the charging station.
- The City of The Dalles will own and maintain the charging station.
- The City of The Dalles will set the charging rate for the charging station.
- The District and the City of The Dalles will promote the charging station.

The District’s Clean Fuel Credits were sold after the Board declared them as surplus property at the December 2018, Board Meeting.

The District was able to procure a ChargePoint level 2 charging station through a Jump Start Kit Promo offered through General Pacific.

Funds received from the sale of the Clean Fuel Credits helped offset the already discounted promo kit.

The Dalles City Council agreed to partner with the District on the electric vehicle charging station at their March 11th meeting.
After the City Council's meeting of March 11th was aired the District was contacted by other community members, including Mid-Columbia Medical Center, Northern Wasco County Parks & Recreation District and Dufur School, inquiring about installing electric vehicle charging stations.

The District is the last Oregon People's Utility District to look into electric vehicles and being a partner with installing a charging station infrastructure.

Coming attractions to the District?

- Is it an electric vehicle with a wrap saying, "Hydro Flows Here"?
- What about a rebate for the installation of a level 2 charging station?
- Developing a charging rate structure that appeals to customers?
- Or is it a provider of information we speak to and champion alongside our utility cohorts and community partners?

Some discussion occurred during and after Brock's PowerPoint Presentation on electric vehicles and the longevity of the batteries in electric vehicles.

Kline stated that Brock did an incredible job as the District’s point person. The City of The Dalles will pay for the electrical consumption since they have decided not to charge the person using the charging station.

***It was the consensus of the Board of Directors to support Northern Wasco County People’s Utility District partnering with the City of The Dalles on the Electric Vehicle Charging Station Project***.

Innovation & Planning:

Chief Innovation Officer Paul Titus provided the following report:

- The Automated Metering Infrastructure (AMI) Project is now six (6) weeks behind schedule.
- The AMI meters were to have been received by now.
- Staff will be performing first article testing within the next two weeks, which will then release the meters for mass production.
- Meters are now anticipated to be received by the middle to the end of May.

Some discussion occurred regarding responses received from customers regarding AMI meters.

General Manager:

General Manager Roger Kline provided the following report:

- On March 5th the District set a new load peak of 132.998 MW.
The average peak for the entire month of March 2019, was 114.3 MW; the average load was 104.9 MW.

The District’s electric system operated very well throughout the winter.

The District’s new EPC Home Page was shown to the Board at this time. This is the site where District staff will upload their Standard Operating Procedures (SOPs).

Photographs of Apprentice Lineman Tucker McCabe performing during the American Public Power Association (APPA) Apprentice Rodeo in Colorado Springs, Colorado the last weekend in March were shown to the Board. A copy of these photographs is hereto attached and marked as Exhibit 6.

The District will develop some procedures based on best practices after receiving a recommendation from Moss Adams, District Auditor.

General Counsel:

General Counsel James Foster stated that it was amazing, at the District’s recent Audit Risk Committee Meeting, to hear such positive comments about the District and CFO/Director of Finance & Enterprise Risk Harvey Hall and his team from an outside person.

Foster’s only other comment was regarding Key Accounts Manager Justin Brock. Foster felt that the work that Brock did on the Electric Vehicles was extraordinary.

NEW BUSINESS

Energy Procurement:

Assistant General Manager/Director of Power Resources Kurt Conger went over information provided in his memorandum to the Board of Directors regarding a market transaction authorization request. A copy of Conger’s memorandum is hereto attached and marked as Exhibit 7.

Some of the highlights of Conger’s presentation are as follows:

- The Master Resource Agreement allows for joint purchasing of power supply resources by the members of Northwest Intergovernmental Energy Supply (NIES).
- The District is at the point where a purchase is necessary.
- This would be the second time the District has entered into a purchase agreement through NIES.
- The District has a load indicated at 4 MW that needs to be covered for the Above Rate Period High Water Mark for non-federal resources.
• This load forecast was prepared in collaboration with Bonneville Power Administration (BPA) last year and it was memorialized around September 2018.
• In that forecast, BPA did not allocate between what the District calls diversified load and the District’s other large customer loads.
• Staff has been in the process of working with BPA on developing an allocation for the Above Rate Period High Water Mark (ARPHWM) quantity of 4 MW; the total ARPHWM is 19 MW for 2020 and 26 MW for 2021; the majority of which is associated with one customer. The 4 MW is associated with the rest of the District’s customers.
• NIES conducted a conference call this afternoon at 1 p.m. and approved the District’s entry into that group purchase.
• Exhibit D, which is a part of Conger’s memorandum, shows the market purchase transaction authorization form and what the District calls the price ceiling.
• Staff is hoping that the prices drop off between now and sometime in May when the District needs to purchase power in order to have time to line up transmission reservations.
• Conger recommends that the Board authorize the General Manager to execute Exhibit D of the Master Resource Agreement between NIES and the District for the purchase of 4 aMW for Fiscal Years 2020 and 2021.

Some discussion occurred regarding the proposed purchase.

{{Director Williams moved to authorize General Manager Roger Kline to execute Exhibit D of the Master Resource Agreement between Northwest Intergovernmental Energy Supply and Northern Wasco County People’s Utility District for the purchase of 4 aMW for Fiscal Years 2020 and 2021. Director Howe seconded the motion; it was then passed unanimously.}}

Consideration and approval to declare property as surplus:

Director of Corporate Services Cyndi Gentry requested the Board’s consideration to declare as surplus, property that is no longer needed from the Space Planning/Workstation Project, as described in her memorandum to the Board of Directors. A copy of Gentry’s memorandum is hereto attached and marked as Exhibit 8.

Gentry noted that the items to be declared as surplus will either be donated or discarded. North Wasco County School District #21 may be interested in the cubical workstations, while the ReStore is interested in some of the office furniture.

{{Director Gonser moved to declare the office furniture that is being removed from staffs’ offices during the Space Planning/Workstation Project be declared as surplus property and that staff is hereby authorized to dispose of said property. Director Williams seconded the motion; it was then passed unanimously.}}
Oregon Clean Fuels Program Credits:

Key Accounts Manager Justin Brock went over his memorandum regarding the Oregon Clean Fuels Program Credits. A copy of Brock's memorandum is hereto attached and marked as Exhibit 9.

Brock stated that staff is recommending that all credits generated through the Oregon Clean Fuels Program (CFP) be declared as surplus property until said program ceases, or credits no longer are deposited into the Clean Fuels Program Online System.

General Manager Roger Kline stated that the District has not done anything with these credits, which have been generated through the Oregon CFP. The District has accumulated 142 credits. The District has received interest from one potential purchaser.

General Counsel James Foster stated that he has some concern with the Board declaring as surplus CFP credits which the District does not have yet.

Some discussion occurred regarding the disposal of available CFP credits.

Foster requested that the Board defer this issue until next month. In the meantime, Foster feels that the Board could declare the 142 credits on hand as surplus and authorize said credits to be sold.

{{Director Williams moved that the CFP credits available as of this date, which were generated by the District through the Oregon Clean Fuels Program, are hereby declared as surplus property, and that staff is authorized to sale said credits. Director Gonser seconded the motion; it was then passed unanimously.}}

OLD BUSINESS

Retirement Plan Services:

President Karp wished to discuss the next step for the Board of Trustees to make a decision on the Request for Proposals received for Retirement Plan Services. President Karp stated that it is her understanding from reading the Regular Session Minutes of March 12, 2019, that the District is to obtain additional information from Special Counsel Iris Tilley, which will be distributed to staff and plan participants by Executive Assistant Kathy McBride. A Board of Trustees Meeting would be scheduled after obtaining the results of a survey poll of staff and plan participants, and the additional information obtained by Tilley on investment fund comparisons.
Chief Innovation Officer Paul Titus informed the Board of his conference call with a Nationwide Representative and Board of Trustee Member Kathy McBride. Titus noted that he had a frank discussion with the representative regarding the District not receiving the services that we had received in the past.

The Nationwide representative was interested in providing the District with updated plan options which would lower participants cost. Titus put the representative in contact with Tilley. Titus stated as far as he knows, they have exchanged information.

Some discussion occurred.

Chief Financial Officer/Director of Finance & Enterprise Risk Harvey Hall stated that the Retirement Plan Administrator responsibilities will stay with the Finance Department.

**BOARD REPORTS / ITEMS FROM BOARD MEMBERS**

*Oregon People's Utility Districts Association (OPUDA):*

Director Gonser stated that he hopes staff had an opportunity to review the informational materials that were distributed to Oregon State Representatives and Senators at the recent OPUDA Lobby Day held at the Oregon State Capitol which were passed around earlier in the meeting.

Director Gonser noted that OPUDA is spending a lot of money on their lobbyist. The Romain Group, OPUDA Lobbyist, are doing a lot protecting electric utilities from HB 2020 (establishes Carbon Policy Office within Oregon Department of Administrative Services and directs Director of Carbon Policy Office to adopt Oregon Climate Action Program by rules), and SB 928 (creates Oregon Climate Authority. Establishes Oregon Climate Board.) Director Gonser noted that these two bills will impact everyone in the State of Oregon.

Director Gonser reported on the visits with Senator Bill Hansell, Senator Cliff Bentz and Senator Alan Olsen during Lobby Day.

Director Gonser highlighted the following items under SB 928 Oregon Climate Authority (OCA):

- The bill becomes fully effective in 2021.
- It is anticipated that the bill will pass sometime this legislative session.
- There are six places in the proposed legislation where money will come from to do all the OCA things listed under the bill; the majority of the cost coming from Energy Supplier Assessment (ESA) funding.
- The Governor's requested budget includes 112 total positions for 2019-2021; 14 new positions to implement cap and trade; 4 current positions transferring from Green House Gas Reporting at DEQ; and 94 current Oregon Department of Energy positions transferring to the Oregon Climate Authority.

Director Gonser mentioned that the Oregon People's Utility District Association has been involved in two lawsuits against the State of Oregon for the Energy Supplier Assessment (ESA). He noted the outcome of the first lawsuit. The second lawsuit is currently before the Oregon Supreme Court.

Director Gonser feels that the Energy Supplier Assessment will increase a whole bunch. The state has used the ESA funding to pay staff salaries. The Oregon Department of Energy (ODOE) is now down to 97 employees from 121 employees.

Director Gonser noted that HB 2020 is projected to cost between $500 million to $600 million. Director Gonser believes it is a tax and spend bill.

Director Howe stated that there is no accountability.

Some discussion occurred.

The Board recessed at 8:28 p.m.

The Board reconvened at 8:31 p.m.

**EXECUTIVE SESSION**

At 8:31 p.m. President Karp recessed the Regular Session to convene into Executive Session as authorized by ORS 192.660(2)(g) to consider preliminary negotiations involving matters of trade or commerce in which the governing body is in competition with governing bodies in other states or nations and ORS 192.660 (2)(d) to conduct deliberations with persons designated by the governing body to carry on labor negotiations.

Those present for the Executive Sessions included the Board of Directors; General Counsel James Foster; General Manager Roger Kline; Assistant General Manager/Director of Power Resources Kurt Conger; Chief Innovation Officer Paul Titus, Key Accounts Manager Justin Brock; Director of Corporate Services Cyndi Gentry; CFO/Director of Finance & Enterprise Risk Harvey Hall; and Executive Assistant Kathy McBride.

At 9:10 p.m. the Board adjourned from Executive Session to return to Regular Session.
At this time the Board of Directors considered the ratification of the Collective Bargaining Agreements between IBEW Local 125 and Northern Wasco County People's Utility District for both outside and inside staff.

{{Director Howe moved to approve the Collective Bargaining Agreements between IBEW Local 125 and Northern Wasco County People's Utility District. Director Gonser seconded the motion; it was then passed unanimously.}}

### APPROVAL OF FUTURE MEETINGS/TRAVEL/OR RELATED MATTERS

April 3, PPC Forum – Roger Howe, Clay Smith, Howard Gonser and Dan Williams

April 4, PPC Executive Committee – Connie Karp, Roger Howe, Clay Smith, Howard Gonser and Dan Williams

April 19, OPUDA Board Meeting - Connie Karp, Roger Howe, Howard Gonser, Dan Williams and Clay Smith?

May 1, NRU Board Meeting – Connie Karp, Roger Howe, Howard Gonser, Dan Williams and Clay Smith?

May 1, PPC Forum – Connie Karp, Roger Howe, Howard Gonser, Dan Williams and Clay Smith?

May 2, PPC Executive Committee – Connie Karp, Roger Howe, Howard Gonser, Dan Williams and Clay Smith?

May 19-22, NWPPA Annual Conference – Connie Karp, Roger Howe and Clay Smith

May 24, OPUDA Board Meeting – Roger Howe, Howard Gonser, Dan Williams and Clay Smith?

June 7, APPA Annual Conference – Howard Gonser

June 9-10, NRECA Financial Decision Making – Connie Karp and Roger Howe

General Counsel James Foster asked for the Board’s approval for him to attend the Northwest Wholesale Power Markets Conference on Wednesday, May 15, 2019 in Portland.

{{Director Gonser moved to authorize General Counsel James Foster to attend the Northwest Wholesale Power Markets Conference in Portland, Oregon on May 15, 2019. Director Howe seconded the motion; it was then passed unanimously.}}
There being no further business the meeting adjourned at 9:19 p.m.

Connie Kay
President

ATTEST:

______________________________
Secretary
COUs are local and not-for-profit

More than 100 years ago, Oregonians began forming consumer-owned utilities to provide lower-cost electricity and local control over rates, services, customer policies and community investments. Oregon’s 37 COUs differ from Oregon’s investor-owned utilities in many ways:

- COUs are owned by the customer-owners they serve.
- COUs are governed by locally-elected boards or commissions.
- COUs exist only to serve their customers. A large portion of COUs’ revenue is reinvested in the communities we serve.

Consumer-owned utilities’ electricity rates are on average 5% lower than those of investor-owned utilities.
COUs invest in our communities

Because we are locally-governed and owned by the customers we serve, COUs have a unique responsibility to invest in our communities. We offer low-income assistance programs based on local needs, desires and unique characteristics of each community, and include energy-efficiency programs, low-income assistance and other community investments. Some examples:

Many Oregon COUs offer rebate programs to help customers save electricity, including duct sealing for manufactured and site-built homes, energy-efficient windows, insulation, and even a rebate to help manufactured home buyers buy new Energy Star-rated homes.

Springfield Utility Board sponsors an annual 4th of July “Light of Liberty” celebration. Light of Liberty ticket sales benefit Project Share, helping low-income residents with wintertime heating emergencies.

COUs support economic development. For example, Northern Wasco PUD’s efforts and low rates helped convince Google to invest heavily in The Dalles.

COUs pay property taxes and franchise fees to local governments, keeping COU customers’ dollars in local economies, supporting important community services and investments.

$2 million Amount the average-sized U.S. COU puts back in the community annually.1

1 American Public Power Association
COU electricity: near-zero carbon

Nearly all of the electricity provided by consumer-owned utilities is “carbon-free.” Our power comes from renewable, or “green” sources that don’t burn fossil fuels, primarily hydropower and wind.

Oregon’s consumer-owned utilities have an electricity mix with “near-zero carbon.” More than 97 percent of consumer-owned utilities’ power is clean and green. We are doing our part to help keep Oregon’s air clean.

Here’s how Oregon’s consumer-owned utilities’ annual “carbon footprint” compares. Vehicles are the major source of carbon dioxide emissions in Oregon.

CO2 Emissions in Oregon

1 Oregon Global Warming Commission Report to the Legislature (12/2018)
2 BPA at https://tinyurl.com/BPApower (2017). BPA fuel mix varies annually due to water supply and timing, and spill operations relating to fish.
COUs are committed to “clean and green”

Consumer-owned utilities provide clean, green and renewable electricity.

Many consumer-owned electric utilities have also invested in additional renewable energy with local, community-based projects supported by our customers. For example:

More than 30 years ago, Emerald People’s Utility District built a facility at the Short Mountain Landfill outside Eugene to tap methane gas to generate electricity for its customers.

A number of Oregon’s COUs are investing in “community solar” projects: Customers buy shares or sections of a solar array that’s built on utility property, and share in the benefits.

McMinnville Water & Light uses Riverbend Landfill waste to generate approximately 4.5 MW of electricity.

Northern Wasco County People’s Utility District built two small-scale hydroelectric generating turbines at large dams along the mid-Columbia River to supplement its BPA power.

Eugene Water & Electric Board and Emerald People’s Utility District each have “Greenpower” programs in which the customers get to choose which small-scale, local solar and other renewable projects will be funded with grants.
COUs help Oregonians conserve energy

Since the mid-1970s, COUs have been helping their customer-owners reduce energy consumption with zero or low-interest loans, grants, rebates and other incentive programs. Consumer-owned utilities were pioneers in Oregon’s early energy-efficiency efforts, and we continue to do our part—with millions of dollars rebated every year to customers for energy-saving projects.

Rural COUs have a much different “customer profile” than urban areas served by investor-owned utilities. For example, cities have a higher percentage of apartments, which use less electricity than single-family homes.

Oregon’s COUs have helped their customers save more than 3,000,000 megawatt hours since 1982.¹

That’s more than enough electricity to power all of the homes in Portland for a year.

Oregon COUs are on target to exceed the Seventh Power Plan targets established by the Northwest Power and Conservation Council for energy efficiency savings.

The Power Council’s projections show that current levels of conservation will meet increases in demand due to growth until 2035.²

1 Bonneville Power Administration
2 Northwest Power and Conservation Council
Port of The Dalles Marina Electrical Upgrade Update – April 2, 2019

Steve Horzynek
Asset/Program Manager – Engineering Team Lead
Risk Culture-Appetite-Tolerance

Northern Wasco County PUD Discussion – April 2, 2019
What we are considering tonight in the Districts Risk Management Process.
An organization’s internal context includes:

- The factors that influence how it manages risk and tries to achieve objectives:
  - Our approach to governance
  - Philosophy of Risk
  - Capabilities
  - Culture
  - Standards

- Governance includes the Districts:
  - Structure, Policies, Objectives, Roles and Decision making process

- Capabilities include the District’s:
  - Knowledge, human, technological, capital resources
Risk – Defining Terms

**Risk Culture** – the manner in which an organization talks and acts about assuming and managing risks.

Which drives ...

**Risk Appetite** – the amount of risk an organization wants to assume.

Which drives ...

**Risk Tolerance** – the level beyond which the organization does not want to assume any more risk, which is driven by its risk culture, risk appetite and the end goals.
Risk Tolerance – is developed taking into account: Risk Culture, Risk Appetite, and End Goals (Strategic Plan).
Risk – Asking the Questions

• Does our culture applaud or discourage risk taking? (Risk Culture)

• Where are we willing to assume risks and where are we very uncomfortable assuming risks? (Risk Appetite)

• What is the maximum amount of risk we are willing to experience? (Risk Appetite)

• What is our organizational focus and purpose? (End Goal)

• What areas of our utility’s operations and levels of performance are most important to the Board? (End Goal)

• How do we define success as an organization? How do our customers define our success? (End Goal)
Risk – Asking the Questions

What areas do we use to measure risk? (Risk Tolerance)

• Safety
• System Reliability
• Financial Health
• Legal-Regulatory Compliance
• Human Resource
• Reputation
• Security – Physical and Cyber
What metrics do we use to measure risk? Which of these could shape our risk tolerance? (Risk Tolerance)

A risk tolerance is a specific measure of an element that is extremely important to the organization. The District’s Performance Dashboard targets cover many tolerances.

Sample:

<table>
<thead>
<tr>
<th>Key Performance Area</th>
<th>Workforce</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Safety Training Completed</td>
<td>&gt; 95%</td>
</tr>
<tr>
<td></td>
<td>Lost Work Days</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>OSHA Recordable Incidents</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Miles Driven</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Vehicle Accidents</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Accident Costs</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td>Competative Compensation</td>
<td>&gt; 80-120%</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Key Performance Area</th>
<th>Finance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bond Rating</td>
</tr>
<tr>
<td></td>
<td>External Audit</td>
</tr>
<tr>
<td></td>
<td>Rates</td>
</tr>
<tr>
<td></td>
<td>Debt Service Coverage (DSC)</td>
</tr>
<tr>
<td></td>
<td>Budget to Actuals</td>
</tr>
<tr>
<td></td>
<td>Current Ratio</td>
</tr>
<tr>
<td></td>
<td>Operating Ratio</td>
</tr>
<tr>
<td></td>
<td>Pilot/Cilt $</td>
</tr>
<tr>
<td></td>
<td>Debt to Total Asset</td>
</tr>
</tbody>
</table>
Risk Culture-Appetite-Tolerance

Next Steps
Define the Board’s Risk Tolerance for each category

• Safety
• System Reliability
• Financial Health
• Legal-Regulatory Compliance
• Human Resource
• Reputation
• Security – Physical and Cyber
Risk Culture-Appetite-Tolerance

Keep in Mind:
The Board’s view of risk appetite and tolerance will mature over time and adjust to changing conditions.

The key is that ERM reporting and information to the Board prepares the Board to ask questions of staff and reflect to staff how they want risk managed in District business.
Risk Culture-Appetite-Tolerance

Questions
Approximately two thirds of natural flow at The Dalles Dam is from areas on these maps that are currently below average (yellow and orange) so inflow forecasts remain below normal.
### Price Indicators

#### Q3 Temperature Outlook

![Map showing temperature outlook for Q3](image)

#### Q3 Water Supply Outlook

**COLUMBIA - THE DALLES DAM Forecasts For Water Year 2019**

**ESP Monthly Water Supply Forecast**

<table>
<thead>
<tr>
<th>Forecast Period</th>
<th>90%</th>
<th>50%</th>
<th>Average</th>
<th>10%</th>
<th>Obs Runoff (2019-04-01)</th>
<th>30 Year Average (1981-2010)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3919</td>
<td>5080</td>
</tr>
<tr>
<td>NOV</td>
<td></td>
<td></td>
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<td></td>
<td>5181</td>
<td>5612</td>
</tr>
<tr>
<td>DEC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4427</td>
<td>5610</td>
</tr>
<tr>
<td>JAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4475</td>
<td>6011</td>
</tr>
<tr>
<td>FEB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4081</td>
<td>6382</td>
</tr>
<tr>
<td>MAR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7233</td>
<td>8110</td>
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<tr>
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<td>14509</td>
<td>105</td>
<td>18867</td>
<td>13808</td>
<td></td>
</tr>
<tr>
<td>MAY</td>
<td>17205</td>
<td>21320</td>
<td>84</td>
<td>26641</td>
<td>25534</td>
<td></td>
</tr>
<tr>
<td>JUN</td>
<td>17856</td>
<td>21557</td>
<td>82</td>
<td>25869</td>
<td>26157</td>
<td></td>
</tr>
<tr>
<td>JUL</td>
<td>9965</td>
<td>11774</td>
<td>81</td>
<td>14573</td>
<td>14536</td>
<td></td>
</tr>
<tr>
<td>AUG</td>
<td>5638</td>
<td>6710</td>
<td>87</td>
<td>8048</td>
<td>7677</td>
<td></td>
</tr>
<tr>
<td>SEP</td>
<td>4427</td>
<td>5022</td>
<td>97</td>
<td>6716</td>
<td>5172</td>
<td></td>
</tr>
</tbody>
</table>

Make the water supply data dynamic by updating this table with actual data.
Water Supply and Runoff Forecast
Mid-C Price Trends (as of 4-2-2019)
**Enel X Auction on 2/20/19**

### Closing Price data as of 02/20/2019

<table>
<thead>
<tr>
<th>Period</th>
<th>Flat</th>
<th>HLH</th>
<th>LLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar-19</td>
<td>$36.36</td>
<td>$39.00</td>
<td>$33.00</td>
</tr>
<tr>
<td>Apr-19</td>
<td>$22.10</td>
<td>$24.00</td>
<td>$19.50</td>
</tr>
<tr>
<td>Q2-2019</td>
<td>$18.56</td>
<td>$22.70</td>
<td>$13.20</td>
</tr>
<tr>
<td>Q3-2019</td>
<td>$43.10</td>
<td>$53.75</td>
<td>$29.65</td>
</tr>
<tr>
<td>Q4-2019</td>
<td>$29.76</td>
<td>$32.75</td>
<td>$26.00</td>
</tr>
<tr>
<td>CY-2020</td>
<td>$28.78</td>
<td>$33.65</td>
<td>$22.55</td>
</tr>
<tr>
<td>CY-2021</td>
<td>$33.13</td>
<td>$38.55</td>
<td>$26.20</td>
</tr>
</tbody>
</table>

### Forward Prices for Mid-C

<table>
<thead>
<tr>
<th>Period</th>
<th>Flat</th>
<th>HLH</th>
<th>LLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>May-19</td>
<td>$18.22</td>
<td>$21.00</td>
<td>$14.75</td>
</tr>
<tr>
<td>Jun-19</td>
<td>$23.27</td>
<td>$29.00</td>
<td>$16.75</td>
</tr>
<tr>
<td>Q3-2019</td>
<td>$48.17</td>
<td>$58.35</td>
<td>$35.00</td>
</tr>
<tr>
<td>Q4-2019</td>
<td>$31.60</td>
<td>$34.65</td>
<td>$27.75</td>
</tr>
<tr>
<td>CY-2020</td>
<td>$31.39</td>
<td>$36.50</td>
<td>$24.85</td>
</tr>
<tr>
<td>CY-2021</td>
<td>$35.65</td>
<td>$41.25</td>
<td>$28.50</td>
</tr>
<tr>
<td>CY-2022</td>
<td>$36.99</td>
<td>$42.55</td>
<td>$29.90</td>
</tr>
<tr>
<td>CY-2023</td>
<td>$37.66</td>
<td>$43.00</td>
<td>$30.90</td>
</tr>
</tbody>
</table>

### Auction Purchase Price

- **2/20/2019**
  - Q3-2019: $44.00
  - Q4-2019: $30.50
  - CY-2020: $29.75

- **10 MW = small, odd lot**
- **Coal source exclusion**
Forward Price Curve Indicators:

- NEMS FPC (as of 4-1-2019)

<table>
<thead>
<tr>
<th>Period</th>
<th>Flat</th>
<th>HLH</th>
<th>LLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>May-19</td>
<td>$18.22</td>
<td>$21.00</td>
<td>$14.75</td>
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<td>Jun-19</td>
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<td>$29.00</td>
<td>$16.00</td>
</tr>
<tr>
<td>Q3-2019</td>
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<td>$58.35</td>
<td>$35.00</td>
</tr>
<tr>
<td>Q4-2019</td>
<td>$31.60</td>
<td>$34.65</td>
<td>$27.75</td>
</tr>
<tr>
<td>CY-2020</td>
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<td>$36.50</td>
<td>$24.85</td>
</tr>
<tr>
<td>CY-2021</td>
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<td>$28.50</td>
</tr>
<tr>
<td>CY-2022</td>
<td>$36.99</td>
<td>$42.55</td>
<td>$29.90</td>
</tr>
<tr>
<td>CY-2023</td>
<td>$37.66</td>
<td>$43.00</td>
<td>$30.90</td>
</tr>
</tbody>
</table>

- Prebon Update

<table>
<thead>
<tr>
<th>Closing Price data as of 04/02/2019</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Period</th>
<th>Flat</th>
<th>HLH</th>
<th>LLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>May-19</td>
<td>$18.22</td>
<td>$21.00</td>
<td>$14.75</td>
</tr>
<tr>
<td>Jun-19</td>
<td>$23.27</td>
<td>$29.00</td>
<td>$16.00</td>
</tr>
<tr>
<td>Q3-2019</td>
<td>$48.17</td>
<td>$58.35</td>
<td>$35.00</td>
</tr>
<tr>
<td>Q4-2019</td>
<td>$31.60</td>
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<td>$27.75</td>
</tr>
<tr>
<td>CY-2020</td>
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<td>$36.50</td>
<td>$24.85</td>
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<tr>
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<td>$41.25</td>
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</tr>
<tr>
<td>CY-2022</td>
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<td>$42.55</td>
<td>$29.90</td>
</tr>
<tr>
<td>CY-2023</td>
<td>$37.66</td>
<td>$43.00</td>
<td>$30.90</td>
</tr>
</tbody>
</table>
NWCPUD promotes a culture of compliance consistent with the organizational philosophy that all employees conduct business with the highest standards of ethics and integrity.

We strive to meet or exceed all policy and regulatory requirements.
Governor’s Executive Order 17-21:
Directives to state agencies to improve energy efficiency, boost electric vehicle adoption, and support actions to reduce GHG emissions.

Focuses on accelerating the adoption of zero emission vehicles that will result in at least 50,000 registered electric vehicles on Oregon roads by the end of 2020 – specifically through regulation, charging infrastructure, fleet conversion, outreach, incentives and private sector partnerships.

To provide equitable access to clean energy technology by removing barriers to electric vehicles and electric vehicle chargers.
# Greenhouse Gas Emissions Targets

States have committed to ambitious GHG reduction goals, typically resulting in 80% reductions by 2050.

<table>
<thead>
<tr>
<th>STATE</th>
<th>2020</th>
<th>2030</th>
<th>2050</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALIFORNIA</td>
<td>0% Below 1990 levels</td>
<td>40% Below 1990 levels</td>
<td>80% Below 1990 levels</td>
</tr>
<tr>
<td>CONNECTICUT</td>
<td>10% Below 1990 levels</td>
<td>45% Below 2001 levels</td>
<td>80% Below 2001 levels</td>
</tr>
<tr>
<td>MARYLAND</td>
<td>25% Below 2006 levels</td>
<td>40% Below 2006 levels</td>
<td>90% Below 2006 levels</td>
</tr>
<tr>
<td>MASSACHUSETTS</td>
<td>25% Below 1990 levels</td>
<td></td>
<td>80% Below 1990 levels</td>
</tr>
<tr>
<td>NEW JERSEY</td>
<td>0% Below 1990 levels</td>
<td></td>
<td>80% Below 2006 levels</td>
</tr>
<tr>
<td>NEW YORK</td>
<td></td>
<td>40% Below 1990 levels</td>
<td>80% Below 1990 levels</td>
</tr>
<tr>
<td>OREGON</td>
<td>10% Below 1990 levels</td>
<td></td>
<td>75% Below 1990 levels</td>
</tr>
<tr>
<td>RHODE ISLAND</td>
<td>10% Below 1990 levels</td>
<td>45%* Below 1990 levels</td>
<td>80% Below 1990 levels</td>
</tr>
<tr>
<td>VERMONT**</td>
<td>10% Below 1990 levels</td>
<td>50%*** Below 1990 levels</td>
<td>75% Below 1990 levels</td>
</tr>
</tbody>
</table>

* Rhode Island target date 2035
** Vermont Statutory goals (shown above) were established by Executive Order in 2005, and passed into law in 2006. The Comprehensive Energy Plan (CEP) goals established in 2016 set Vermont’s goals at 40% below 1990 levels by 2030 and 80% to 95% below 1990 levels by 2050
*** Vermont target date 2029

Source: NESCAUM
Oregon’s Progress: EV’s

Oregon ranks fifth in the nation when it comes to plug-in vehicles per capita. Currently, Oregon has more than 22,000 registered electric vehicles and 1,272 public chargers in 528 locations. Seven charging networks operate in the state.

EV’s are growing at about 35 percent year over year. On keeping with the current pace, that’ll be just over 41,000 registered by 2020.
Clean Fuels Program

Oregon’s transportation sector contributes to approximately one-third of the state’s greenhouse gases.

The Clean Fuels Program is another such component of Oregon’s plan to reduce the lifecycle carbon intensity of the transportation fuels that the state uses. This amount is on the order of 10 percent by 2025.

<table>
<thead>
<tr>
<th>Utility</th>
<th>EV</th>
<th>PHEV</th>
<th>Total EVs</th>
<th>2018 CI</th>
<th>Total Electricity</th>
<th>Total Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Lincoln PUD</td>
<td>83</td>
<td>97</td>
<td>180</td>
<td>4.85</td>
<td>558450</td>
<td>658</td>
</tr>
<tr>
<td>City of Cascade Locks</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>109.56</td>
<td>27922.5</td>
<td>22</td>
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<tr>
<td>Clatskanie PUD</td>
<td>8</td>
<td>9</td>
<td>17</td>
<td>20.11</td>
<td>52742.5</td>
<td>59</td>
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<tr>
<td>Columbia River PUD</td>
<td>70</td>
<td>95</td>
<td>165</td>
<td>4.85</td>
<td>511912.5</td>
<td>603</td>
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<tr>
<td>Emerald PUD</td>
<td>148</td>
<td>132</td>
<td>280</td>
<td>5.72</td>
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<td>1,021</td>
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<td>Eugene Water and Electric Board</td>
<td>559</td>
<td>413</td>
<td>972</td>
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<td>Hermiston</td>
<td>5</td>
<td>3</td>
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<td>13,894</td>
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<td>400222.5</td>
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<tr>
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<td>37</td>
<td>81</td>
<td>4.81</td>
<td>251302.5</td>
<td>295</td>
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<tr>
<td>Umatilla Electric Coop</td>
<td>7</td>
<td>16</td>
<td>23</td>
<td>23.74</td>
<td>71357.5</td>
<td>79</td>
</tr>
</tbody>
</table>
Vehicle Rebate Programs

The Oregon Clean Vehicle Standard Rebate Program offers a cash rebate for Oregon drivers who purchase or lease electric vehicles. It is not a tax credit. ODEQ designed the program to reduce vehicle emissions by encouraging more Oregonians to purchase or lease electric vehicles rather than gas vehicles.

-In addition-

The Charge Ahead Rebate is for the purchase or lease of a new or used battery electric vehicle only; plug-in hybrids are not eligible. To qualify for the Charge Ahead Rebate, the purchaser or lessee must be from a low- or moderate-income household. Income requirements vary by where you live in Oregon.
Utility Partnerships

Utilities are providing more and more to the transportation system’s “fuel” through electrical services. Utilities are developing plans in tandem with state efforts to encourage the adoption of EV’s. Whether it be incentives for the installation of home electric vehicle charging stations, rate design development specific to electric vehicle charging, or acting as an information resource to their customers.
Providing exceptional customer service to both internal and external customers is fundamental to NWCPUD’s success.

Services are continuously improved by maintaining a high level of knowledge regarding customer needs and preferences, identifying and tracking key performance metrics, developing future program/services, and enhancing relationships.
Continuously improve collaboration and communication, both internally and externally, for project management, cross-functional teams, joint-planning, expanding and improving programs and services, enhanced stakeholder communications, and resource leveraging.

Enhanced collaboration and communication highlights the value of NWCPUD to its stakeholders and community. NWCPUD will continue outreach efforts to promote regional cooperation and planning with other utility services providers.
Actively monitor and advance the utilization of new/emerging technologies to enhance performance and promote the long-term viability of NWCPUD, the community, and our customer-owners.
NWCPUD Plan Development

Utilize Clean Fuels Program credits.

Leverage industry partners with charging station procurement.

Analyze and determine ideal location for charging station in service area.

Get buy-in and acceptance.
NWCPUD/City of The Dalles Partnership Proposal

- Locate station at Festival Park
- NWCPUD will meter station
- NWCPUD will install station
- City to own and maintain station
- City to set charging rate for station
- NWCPUD and City to promote charging station
NWCPUD Plan Development

Goal 1 ✅
Sell Clean Fuels Credits to PUD customer.

Goal 2 ✅
NWCPUD to procure ChargePoint station with proceeds from Clean Fuel Credits.

Goal 3 ✅
Poll internal NWCPUD staff on charging station location. Lewis & Clark Festival Park identified.

Goal 4 1/2 ✅
Assemble information packet and give to The Dalles City Council. Request to partner with NWCPUD.

Goal 4 1/2
Present information to NWCPUD Board of Directors. Staff requests NWCPUD to partner with City.
Doing business with NWCPUD should be easy. Being an active partner for the betterment of the community is no different. After the city council meeting being aired, NWCPUD was contacted by other community members including MCMC, the N. Wasco Parks & Rec, and the Dufur School; all with inquiries about installing electric vehicle charging stations. This shows that there’s an interest by local employers who want to ensure this service is available to use as a mobility option for current and future employees. NWCPUD is the last Oregon PUD to look into EV’s, and being a partner with installing a charging station infrastructure. When the local state offices begin to electrify their fleet, NWCPUD should be standing ready and able to support these efforts with infrastructure. NWCPUD is just now embarking on these efforts with new products and services. With a finger on the pulse, can NWCPUD look towards new developments and community partnering opportunities.
NWCPUD Coming Attractions??

HYDRO POWER FLOWS HERE

Save with our Electric Vehicle Rebate
We want to make it easy and affordable to go fossil-free. NWCPUD’s $250 EV Rebate will pay for clean electric fuel for a year for most drivers, or help offset the cost of a home charging station.

The incentive is available to customers who purchase or lease a new or used qualifying electric vehicle.

Public Charging Flat Rate
Low Annual Fee
Access charging stations in the NWCPUD Energy ChargePoint Network for your 100% electric or plug-in hybrid vehicle.

For questions, contact us at info@nwaspocpud.org or call 541-296-2226.
PUDs Strongly Support EV Adoption

Studies show more than 80% of EV charging is done at home. Nearly all EVs come standard with 110V Level 1 charging cords. Some EV drivers also choose to install 220V (“dryer outlet”) Level 2 chargers at their homes. For even quicker charging, 440V DC Level 3 quick chargers are publicly available.

For those traveling 150 miles or more in a day, there are hundreds of public charging stations in Oregon.

100% Electric Cars vs. Gas-Powered

- **$10,995** Chevy Bolt (EV)
- **$69,900** Chevy Bolt (gas)
- **$31,995** Nissan Leaf (EV)
- **$52,995** Nissan Versa (gas)
- **$54,995** Kia Soul (EV)
- **$69,900** Kia Soul (gas)
- **$31,995** Tesla 3 (EV)
- **$79,900** Tesla 3 (gas)

Cost for 1,000 miles of fuel:
- **Electric**: $0.05 per mile
- **Gasoline**: $0.22 per mile

Electricity calculated at 8.4 cents/kWh (residential) and gasoline calculated at $2.60 per gallon.

Many car dealers offer EVs comparable in price to gas-powered cars, and some offers special deals at various times of the year making EVs affordable to lease or buy. One EV driver in Oregon leased a new Chevy Bolt for $40 down, and payments of $250 a month, with an allowance of 15,000 miles per year.

NWCPUD Coming Attractions??

Tax credits can make EVs even more affordable. A federal tax credit of up to $7,500 is available on some EV models (please check with a knowledgeable tax professional before buying) and Oregon offers a $2,500 rebate for buying or leasing many new EVs. Low or moderate income Oregonians may also qualify for an additional $2,500 rebate. Go to https://tinyurl.com/ev-rebates for details.

Savings on maintenance costs. No oil changes, tune ups, spark plugs, or engine air filters add up to even more savings.

Super-quiet yet fast! Electric motors have power available more quickly than gas-powered engines, making them surprisingly quick.

Electricity prices are more stable and predictable than gasoline. If rates go up, this happens just once a year. Gasoline prices fluctuate often.

New 100% electric cars being sold today generally have a range of 151-320 miles on a single charge.

EVs are becoming more and more popular. More than 22,000 EVs are already registered in Oregon. Governor Kate Brown has set a goal of 50,000 EVs registered in Oregon by the end of next year. Bloomberg Technology reports that in six years, one in every six vehicles sold will be electric.

*Oregon Department of Environmental Quality.*
“To provide reliable, competitively-priced energy and related services that benefit our customers in the tradition of public power.”
March 29, 2019

To: NWCPUD Board of Directors
From: Kurt Conger, Assistant General Manager
Subject: Market Transaction Authorization Request – for Action on April 2, 2019

On July 3, 2018 the board passed a motion to execute the Master Resource Agreement between Northwest Intergovernmental Energy Supply (NIES) and Northern Wasco County People’s Utility District (NWCPUD). This agreement provides the ability for NWCPUD to participate in a NIES-owned power acquisition transaction. Exhibit D of this agreement (the Market Purchase Authorization Form) defines the terms of any specific NIES transaction and must be executed if NWCPUD desires to be a party to the power purchase. Four megawatts of additional ARHWM power are required to meet increased diversified load demand and district staff desires to fill this need as a party to the upcoming NIES transaction.

Action Request: Authorize General Manager Roger Kline to execute Exhibit D of the Master Resource Agreement between Northwest Intergovernmental Energy Supply and Northern Wasco County People’s Utility District for the purchase of 4 aMW for fiscal years 2020 and 2021.

Background:
The Bonneville Power Administration’s (BPA) forecast review of NWCPUD’s diversified load determined that 4MW of the district’s ARHWM allocation be used to meet increased diversified load demand. This in effect, would reduce the ARHWM allocation to non-diversified load. Since the District has elected to purchase its own resources to meet ARHWM requirements, and to maintain consistency of resources already procured for non-diversified load, a market purchase for the diversified load allocation is required.

The terms of the proposed NIES market purchase transaction described in Exhibit D of the Master Resource Agreement are as follows. Since the market purchase that NIES transacts is done so on behalf of multiple NIES members, the prices shown below are “caps” that have been cooperatively determined by other NIES entities wishing to participate in this market transaction. Each party determines the volume of energy they require and in sum, a transaction is negotiated by NIES for the energy.

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>aMW</th>
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<tbody>
<tr>
<td>2020</td>
<td>4</td>
</tr>
<tr>
<td>2021</td>
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As of March 28, 2019, indicative pricing for calendar years 2020 and 2021 was approximately $32 per MWh and $35.50 per MWh respectively, very similar to current federal BPA Tier 1 prices that our customers are currently paying for the priority firm portion of their power.
EXHIBIT D
MARKET PURCHASE TRANSACTION AUTHORIZATION FORM

I Kurt J. Conger, acting as the Resource Committee Representative on behalf of Northern Wasco County PUD authorize NIES to execute a Confirmation in order to purchase the following amounts of power for each Fiscal Year¹ (FY), stated in whole average megawatts, and not exceeding the maximum purchase price for each FY stated below:

<table>
<thead>
<tr>
<th>Year</th>
<th>Average MW</th>
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<tbody>
<tr>
<td>2020</td>
<td>4</td>
</tr>
<tr>
<td>2021</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional conditions or requirements:

Signed: _______________________
Title: _______________________
Date: _______________________

¹ Fiscal Year begins October 1 and ends September 30
DATE: April 2, 2019

TO: Board of Directors

FROM: Cyndi Gentry, SPHR, SHRM-SCP

SUBJECT: Surplus Property from space planning/workstation project

The project team met with stakeholders and determined that a surplus property decision is needed from the board. While phase one will not reach $50,000, there is a possibility that the two phases combined will reach that level.

We do not have a dollar value to attach to the property, but phase one includes an estimated 80-100 pieces including

- Six offices
- Two desks and a table from the Project Room
- Four cubicle stations and one desk from Engineering
- Various shelves, cabinets, and old chairs

Phase two will include

- Three offices
- Four desks
- Seven cubicle stations
- Various shelves, cabinets, and old chairs

There may be more items discovered as the spaces are cleared and the new furniture installed.

The plan is to donate what can be donated and dispose of the rest. The costs in time and storage space do not support hosting our own closed bid session or keeping it to auction off. We have interest from the school district and the ReStore.

We are asking the board to declare the items removed during the space planning/workstation project to be surplus property.
April 2, 2019

To: NWCPUD Board of Directors

From: Justin Brock, Key Accounts Manager

Subject: Oregon Clean Fuels Program Credits

District staff brought before the Board of Directors at the December 2018 board meeting, a request for Oregon Clean Fuels Program (CFP) Credits that were received from Oregon Department of Environmental Quality, to be deemed as surplus property, advertised as a public notice, and be sold to interested third parties. Since then, the District has received an additional volume of credits deposited into the CFP Online account for the reporting year of 2018. The Clean Fuels Program will continue to create credits for the District until the year 2025 when the 10 percent reduction in carbon intensity is realized.

Recommendation:
All credits generated through the Oregon Clean Fuels Program be declared surplus property until said such program ceases, or credits no longer are deposited into the CFP Online System.