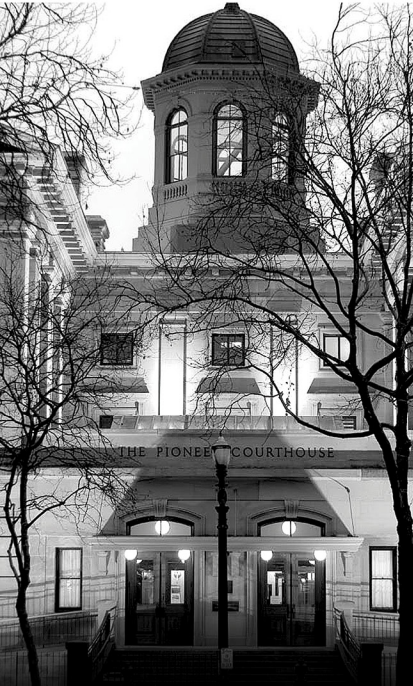




THE PIONEER COURTHOUSE



NAEGELI
DEPOSITION & TRIAL

(800) 528 - 3335

NAEGELIUSA.COM

Nationwide

COURT REPORTING

LEGAL VIDEOGRAPHY

REMOTE DEPOSITIONS

TRIAL PRESENTATION

LEGAL TRANSCRIPTION

COPYING AND SCANNING

LANGUAGE INTERPRETERS

Powerful
LITIGATION SUPPORT

9th NORTHWEST REGIONAL POWER PLAN PUBLIC HEARING

FALL 2026

TRANSCRIPT OF PUBLIC HEARING

HELD VIA ZOOM ON

WEDNESDAY, OCTOBER 7, 2026

4:01 P.M.

901 12TH AVENUE

OBERTO COMMONS, ROOM 200

SEATTLE, WASHINGTON 98122

NAEGELI | (800) 528-3335
DEPOSITION & TRIAL | NAEGELIUSA.COM

REMOTE APPEARANCES

Kym Buzdygon, Public Affairs Division Director, NWPCC
Les Purce, Washington Council Vice Chair, NWPCC
KC Golden, Washington Council Member, NWPCC
Chad Madrone, Senior Division Coordinator, NWPCC
Kevin Smit, Manager of Power Planning Resources, NWPCC
Elizabeth Osborn, Executive Assistant, NWPCC
Peter Adams, Public Commenter
Arlene Williams, Public Commenter
David E. Ortman, Public Commenter
Joseph Bogaard, Public Commenter
Philip Lundahl, Public Commenter
Paul Zemtsov, Public Commenter
Don Miller, Public Commenter
Connie Voget, Public Commenter
Reggie Westgate, Public Commenter
George Slaats, Public Commenter
Julian Santos, Public Commenter
Vi Twyman, Public Commenter
Juno Spafford, Public Commenter
Brian Rulifson, Public Commenter
Rich Voget, Public Commenter
Christa Carpentiere, Public Commenter
Rein Attemann, Public Commenter

REMOTE APPEARANCES - CONTINUED

Ben Avery, Public Commenter
Amy Grondin, Public Commenter
Kaeli Fertal, Public Commenter
Julia Reitan, Public Commenter
Tim Stearns, Public Commenter
Tommi Adams, Public Commenter
Kathleen Callaghy, Public Commenter
Shannon Pressler, Public Commenter
Michael Shurgot, Public Commenter
Vera Schoepe, Public Commenter

1 PUBLIC HEARING
2 HELD VIA ZOOM ON
3 WEDNESDAY, OCTOBER 7, 2026
4 4:01 P.M.
5

6 MR. PURCE: It's my pleasure to welcome you all
7 this evening to this public hearing on the Northwest Power
8 Plan -- or 9th Plan. My name is Les Purce, and I am the
9 vice president of the power council. My colleague, KC
10 Golden, the other representative from the State of
11 Washington, will be here shortly. He caught a plan from
12 Idaho Falls for the hearing last night, and he is on his way
13 as well.

14 I want to start by saying what a delight it is to
15 have such a good crowd and how important we see this
16 opportunity for the public hearing regarding the 9th Plan.
17 I am hoping that everyone -- there's a signup sheet in the
18 back for people to sign up for, for this public hearing.
19 The hearing will go until 6:00 o'clock this evening, and
20 it's a pleasure to have you all here.

21 In a moment, I'll read a statement about the plan
22 itself, and then we'll have a brief introduction and go
23 directly to the opportunity to have you all -- hear from you
24 all in the audience regarding the plan. So thank you very
25 much for being here.

1 I'm also very pleased to have the outstanding
2 staff that we have from -- from our home office in Portland
3 along with our staff here in the State of Washington. I
4 want to thank my colleague, Elizabeth Osborn, who will be
5 doing the timing tonight. It'll be set up in a way that you
6 have three minutes for the presentation. We'll let you know
7 -- we'll go through that procedure here in a moment. I want
8 to also recognize Kym Buzdygon.

9 Kym, would you stand up for me to --

10 She's our director of our division of public
11 affairs with us tonight from Portland. John Shurts, our --
12 from our legal division heads that up.

13 John, thank you for being here.

14 And I want to make sure that -- I want to say
15 thank you to all of our other staff that are here that will
16 be supporting us this evening. You've met some as you've
17 come in the room. This is an opportunity to have active
18 participation in this work.

19 I also want to thank Zel Misic, our public
20 recorder, tonight. When you come up, we would like you to
21 make sure you spell your name and -- so we have that for the
22 record. We want to thank Zel for being here and supporting
23 us tonight.

24 MR. MISIC: Thank you.

25 MR. PURCE: Kevin Smit, who is the senior staff

1 member in our power division will make a presentation in a
2 few minutes to give you an -- an idea of the overview of
3 this meeting itself. But at this time, I'd like to read a
4 public statement regarding the power plan for you.

5 For the record, "the Northwest Power Act of 1980
6 directs the council to develop a regional conservation -- an
7 electric power plan and to review that plan every five
8 years. The council's current power plan is the 8th Plan,
9 also referred to as the 2021 Power Plan. The council is now
10 engaged in its latest five-year power plan review.

11 "The council releases the -- released the draft
12 9th Northwest Plan in mid-August for public review and
13 comment. For more information, including the text of the
14 draft plan and technical appendices, please visit the
15 council's website at mwcouncil.org. The council will be
16 accepting comments on the -- on the -- on the 9th Power Plan
17 through October 16 of 2026.

18 "The Act also requires that the council hold
19 public hearings in every state represented by the council,
20 which includes Idaho, Montana, Oregon, and Washington. The
21 full schedule of hearings can be found online."

22 I would like to encourage everyone who is
23 interested in commenting to please sign up on one of the
24 sheets located at the back of the room. We had -- you've --
25 I've introduced the court reporter who will be in attendance

1 here to do that recording. You may also leave written
2 comments on the staff -- for the staff members today or
3 submit comments online. Instructions for submitting
4 comments online can be found on the council's website.

5 All comments received will be carefully considered
6 by the council in making its final decision to approve the
7 9th Northwest Power Plan. The council expects to make a
8 final decision on the plan by the end of this year or in
9 early 2027. Thank you very much.

10 At this time, I would like to call on Kevin to
11 give us an overview of the plan before we go into public
12 hearing. And thank you all very, very much for being here.

13 MR. SMIT: Great. Thank you very much, Member
14 Purce, and thank you for that. And good -- good evening,
15 and I'd like to extend my welcome as well. My name is Kevin
16 Smit. I'm the manager of power planning resources at the
17 council. I'm going to give you just a brief overview of the
18 council and then -- and then the power plan, and then we'll
19 go right into the comment.

20 So who we are? Most of this was covered already
21 in the followed statement, but again we were organized in
22 1980 to give the region a -- a greater voice in energy and
23 protecting fish and wildlife. The council is governed by
24 two members that -- of -- of each of the four states that
25 were mentioned: Idaho, Montana, Oregon, and Washington, and

1 each state appoints two councilmembers. So we have a total
2 of eight council members, again two from each state.

3 The Act requires that this interstate council
4 develop, with broad public participation -- that's part of
5 this process -- the regional plan -- power plan and also a
6 Columbia Basin Fish & Wildlife Program. And then
7 specifically to Bonneville, they have the legal
8 responsibilities under the Act to acquire resource
9 consistent with the council's plan. And you can see the map
10 there of -- of the region.

11 Just a -- a brief touch on the fish and wildlife
12 program. This was actually completed in June of this year,
13 and the fish and wildlife program actually becomes part of
14 the power plan at -- when we release the plan here in -- in
15 the -- later this year. And so, you know, the -- the
16 priority, you know, of the current fish and wildlife program
17 is, you know, keep the water moving for the fish at critical
18 times while still meeting the critical power needs. That's
19 kind of our role in balancing those energy and fish needs.

20 So power planning. What -- what is it that we do?
21 You see those words in bold there, and those are words we
22 repeat often. Our goal is -- is -- and requirement is to
23 ensure an adequate, efficient, economical, and reliable
24 power supply for the Northwest. And as -- as mentioned, we
25 update this every five years, and the plans provide a

1 blueprint for what resources --- what generating and -- and
2 demand-side resources are needed for the region.

3 So at a high level, what do we do? We say, well,
4 what is the capability of the system today. What resources
5 do we have, and -- and what are the needs? How much energy
6 might we need in the future? So our load forecast. You
7 know, what -- which -- which is a tricky thing these days,
8 you know. We got -- I'll -- I'll get into that later, but
9 our loads are growing fast. And so how do we know what
10 needs we'll have in the future?

11 And then what is the least cost and least risk way
12 to meet those future needs while being mindful of existing
13 system capabilities, hydropower operations that benefit fish
14 and environmental qualities? There's other pieces that we
15 have to take into account as we're doing all this.

16 So a few key takeaways of the draft plan -- power
17 plan. So load growth I mentioned already driven by data
18 centers and electrification. Those two things are
19 relatively new since the last time we did this plan, and
20 there's a lot of load growth that we perceive coming on the
21 system. It's also hard to -- to forecast, right, with data
22 centers.

23 Are there going to be a lot of them? Are there
24 going to be a few of them? So we have to account for all of
25 that. That gets into this uncertainty and risk, right? We

1 account for a comprehensive range of future uncertainty
2 around the loads, future weather conditions. You've heard
3 of the heat domes and the -- you know, the -- the really
4 cold spells we've had. We account for all those -- those
5 things as -- as -- along with climate change and those
6 things in our -- in our uncertainty and risk analysis.

7 And the draft plan includes a cost-effective
8 regional resource portfolio that has a suite of resources to
9 -- that need to be added to the grid to meet those future
10 needs, and I'll show you those in just a moment.

11 And so what's next, the -- the plan is an open
12 process. We've had advisory committee meetings -- a lot of
13 them along the way. Now, we're doing these public comments,
14 and these are all important parts of the process. And, you
15 know, our councilmembers take all this in, and even tonight,
16 all the -- the -- the other six who aren't here will -- will
17 hear all your comments and take those into account, you
18 know, as they make the final decisions on the power plan.

19 So the proposed resource strategy. This is kind
20 of the core of the plan. There's a lot of pieces to it, but
21 the core is this resource strategy that I talked about. So
22 first of all, demand-side resources like conservation. They
23 provide energy and capacity and minimize the need to build
24 out transmissions. So the more conservation we can -- we
25 can add to reduce the existing loads, the fewer resources we

1 need to -- we need to build.

2 Renewables are a big part of this strategy
3 combined with storage -- battery storage, especially
4 providing this energy and capacity while meeting between
5 policy goals. There's some natural gas. Some new natural
6 gas provides energy to the system at times of low water.
7 And these resources are supported by a suite of other
8 recommendations as I eluded to earlier. You can read all
9 about that in the plan but things that address transmission,
10 permitting data center integration, and a lot more of -- of
11 the hot topics you've heard about.

12 You can see the table on the right there. We're
13 recommending about just over 1,000 average megawatts of
14 conservation. And we see strong signals -- locational
15 values of conservation in this plan. Our -- our modeling
16 has expanded so that we can sort of show different signals
17 in different parts of the region. And so we've -- we
18 propose to divide this conservation resource into two for
19 Oregon and Washington which has a higher value because of
20 more limited transmission and -- and a number of other
21 things, and then a -- a -- a separate target for Idaho and
22 Montana which has a lower -- a bit lower value for
23 conservation.

24 And then you see demand response, 590. I don't
25 need to read all these, but -- but, you know, a large

1 amount, 9,000 megawatts of renewables, and a lot of that is
2 coupled with this battery storage. So -- and then 2,100
3 megawatts of natural gas. So that's the core of the
4 resource strategy, and that's -- you know, we've been
5 receiving a lot of comments already on various parts of
6 this.

7 The plan also has very specific recommendations to
8 Bonneville. The council's plan provides guidance for the
9 whole region, all the entities in the region, the investor
10 and utilities as well. But it has direct legal connection
11 to Bonneville as the power marketer is to borrow resources
12 that it determines to be consistent with the current power
13 plan.

14 And so the -- the draft plan recommends Bonneville
15 acquire a share of the recommended conservation and to
16 support its customers in acquiring other demand-side
17 resources, like demand response. And also, if it needs
18 energy beyond the conservation to acquire renewables to --
19 to meet those needs, we need -- (clears throat) excuse me --
20 to assess the cost effectiveness between storage and natural
21 gas if there is a capacity.

22 Now, beyond the resource strategies, just a couple
23 points. We speak to a lot of things in the plan. We don't
24 actually do transmission planning, but -- but we have to
25 account for that in our plan. What is the transmission

1 system? What is being built? What is not being built? And
2 we do account for that.

3 Also, with permitting and siting, we have to
4 account for where can resources be permitted and sited. You
5 know, we know certain -- certain resources can be built in
6 certain areas and -- and not in others. And so we do
7 account for all of that. We don't specify that as a product
8 of our plan, but we have to account for that.

9 And then we don't set electricity rates, and we
10 don't make decisions around resource retirement, so those
11 are just a couple things that -- that we don't -- we don't
12 do and don't come out of a plan.

13 So yeah. We're about ready now to get into your
14 comments. If you haven't signed up, this is repeat. Please
15 do that. Look for staff.

16 Staff, raise your hand.

17 If you have questions, you can see around you some
18 -- and you met some on the way in. Be courteous to
19 councilmember staff and other people in the room. Be
20 courteous to each other, please. Keep it brief and on
21 topic. We're going to do three minutes each. If there's
22 time left at the end, you may have time to come back, but
23 other public hearings have been -- you know, have -- have
24 had that and have had some time at the end.

25 So -- but keep it to three minutes at the start.

1 Your -- your comments will become part of the official
2 public record. And if you've brought a written copy, that's
3 helpful, too. We'll -- we'll turn that over to the court
4 reporter, and that helps us --

5 Who's collecting those? There's a staff member.
6 Joe is in the back. He'll -- he'll help collect those and
7 get those where they need to go. So -- and you can also
8 submit comments online through our website. Here we go. QR
9 code. Nwcouncil.org. That was mentioned earlier. Feel
10 free to do that.

11 And so with that, that's it from me. We want to
12 hear from you. Yeah.

13 MS. OSBORN: Could you bring the QR code back up
14 --

15 MR. SMIT: Okay.

16 MS. OSBORN: Thank you.

17 MR. SMIT: Whoops. Okay. So yeah. Please state
18 your name when you're called up, and -- and spell it for the
19 court reporter, and then Member Purce will -- will call you
20 up a couple at a time probably, and we'll go from there.
21 Thank you.

22 MR. PURCE: Kevin, thank you so much.

23 And thank you all again. I'd like to start by
24 calling up Peter Adams and Arlene Williams to the table.

25 We'll start with you, Peter, and would you please

1 spell your name for the court reporter? And we'll start
2 this process.

3 Thank you all for taking the time to be here with
4 us.

5 MR. ADAMS: Thank you for the opportunity. Peter
6 Adams, P-E-T-E-R, A-D-A-M-S. I live in Edmonds, Washington,
7 and my house is supplied with energy by Sno -- Sno PUD.
8 Data centers are straining electric grids and water supplies
9 all across the country. This is four states and utilities
10 in the -- in major investments to build new energy
11 generation while also considering keeping old coal and gas
12 plants online instead of investing in new, low-cost, clean
13 energy.

14 Without action from regulators, I'm concerned that
15 the construction of new energy infrastructure will increase
16 electricity rates at a time when energy bills are -- are
17 already on the rise as well as contributing to more air
18 pollution and excess water use. As you address the growing
19 challenge of data center development here in Washington, I
20 urge you to prioritize the following consumer protections.

21 One, huge amounts of water are needed to cool
22 these facilities. Washington State is in a drought.
23 Electricity from our hydroelectric dams may be reduced due
24 to our very limited snowpack this year. Salmon are already
25 dying from not enough water or water that is too warm.

1 Please prioritize water conservation for these facilities to
2 ensure adequate water for homes, agricultural, natural
3 resources, and business.

4 Two, require data center developers to cover their
5 fair share of increased energy demand and corresponding
6 investments in the new grid infrastructure. Residential
7 customers should not be on the hook for these business
8 costs.

9 Thirdly, prioritize plans that drive investment in
10 additional renewable energy, grid-connected battery storage,
11 efficiency, and demand response to meet any new electricity
12 demand. This will help reduce pollution and will also
13 protect ratepayers like me from high fuel costs.

14 Fourthly, develop large-load tariffs that require
15 data center developers to put their money on the table for
16 new projects to minimize corporate speculation and protect
17 ratepayers from having to pay for or clean up stranded
18 assets.

19 Five, ensure robust transparency, public
20 participation and feedback on how BPA plans to meet
21 challenges associated with data centers.

22 Sixthly, emphasize -- emphatically reject the
23 arguments from big tech that they are paying enough for data
24 centers. Their profits are obscene. They can afford the
25 costs. Ratepayers cannot.

1 And finally, no new fossil fuel buildouts. If
2 left unchecked, data center development will burden
3 Washingtonians with rising energy bills while increasing
4 harmful pollution from expensive coal and gas-fired power
5 plants. We need your timely action to protect ratepayers
6 and support clean energy solutions instead of allowing
7 utilities and big corporations to double down on fossil
8 fuels that will burden our communities for decades to come.
9 Thank you.

10 MR. PURCE: Thank you very much.

11 Arlene?

12 MS. WILLIAMS: Arlene Williams, A-R-L-E-N-E, W-I-
13 L-L-I-A-M-S. I live in Edmonds, Washington. I buy
14 electricity from Snohomish County PUD, which is one of the
15 largest customers of the Bonneville power administration. I
16 want my power to be generated from cheap, renewable energy
17 with battery storage, so I urge you to direct BPA to not
18 build any new gas peaker plants. Methane leaks everywhere
19 during the drilling, along the pipelines, and even in homes.

20 I've had three methane leaks in previous homes,
21 which is why I made POC remove the gas line to my current
22 home and completely electrified it with a heat pump,
23 induction stove, and an EV charger. Gas is unhealthy,
24 contributing to high asthma rates, raising healthcare costs.
25 Methane is an extremely potent carbon polluter increasing

1 the snow droughts and wildfires that put our current
2 hydropower production and transmission lines at risk.

3 It makes no sense to add to this problem with new
4 gas plants. We know that climate impacts are only going to
5 get worse, and that will bring voter backlash to fuel
6 stronger regulations and huge lawsuits against fossil fuel
7 companies creating higher costs for gas. Meanwhile,
8 renewables and batteries are getting cheaper by the year.
9 BPA must not invest in gas plants that will increase in cost
10 through time while the sun and the wind run renewables for
11 free once they are built.

12 We don't need to subsidize data centers. Enough
13 investor money is pouring into those projects that they can
14 pay the cost to upgrade systems themselves. In fact, AI and
15 data centers are gobbling up the free capital in this
16 country, putting more sustainable projects at a
17 disadvantage. This is why data centers need to pay,
18 supplying their own energy in an environmentally responsible
19 way if possible, and they must reduce their use during peak
20 times to decrease the need for more power plants.

21 Data centers should shoulder these costs, not
22 regular -- regular customers in case the whole AI fantasy
23 goes bust. And lastly, the salmon. I refuse to eat salmon
24 because I don't need it while orca mothers with babies do.
25 We all know how successful removing Columbia River dams has

1 been, allowing salmon to return to the upper reaches of that
2 river. This power plan must prioritize salmon recovery to
3 the max. Thank you.

4 MR. PURCE: Thank you, Arlene.

5 Next up, David Ortman and Joseph Bogaard.

6 MR. ORTMAN: Thank you. My name is David E.
7 Ortman. That's D-A-V-I-D, middle initial E, O-R-T-M-A-N.
8 I'm a retired attorney here in Seattle, Washington. I just
9 note that a time of 4:00 to 6:00 is not the most convenient
10 to hold a public hearing.

11 Over 45 years ago, back in the 1970s, the direct
12 service industries and the region's private utilities
13 colluded with BPA Administrator Don Hodel and then-Governor
14 Dixy Lee Ray to push at least 16 coal and nuclear power
15 plants in the region that were on the drawing boards.

16 This included secret planning sessions in 1977
17 arranged by the Pacific Northwest Utilities Conference
18 Committee, "seeking congressional authority to expand the
19 role of the Bonneville power administration as the region's
20 chief energy broker." After these secret meetings were
21 exposed, I made many trips to Portland, Oregon as a staff
22 person for the Northwest office of Friends of the Earth
23 along with other conservation and environmental group to
24 keep track of these shenanigans and raise concerns over the
25 declining salmon and steelhead runs.

1 Fortunately, Friends of the Earth had a colleague,
2 Amory Lovins, who was busy putting together an alternative
3 energy conservation division called Soft Energy Paths. The
4 end result was Congress passage of the Northwest Power
5 Planning Act in 1980, and as Lovins predicted, the cries for
6 dozens of new coal and nuclear power plants or the lights
7 would go out turned out to be bogus.

8 Once this nuclear power plant program collapsed
9 and energy conservation became the preferred path instead of
10 excessive and expensive new coal and nuke plants. However,
11 the draft 9th Northwest Power Plan seems to be a
12 continuation of a silo thinking. The -- the introduction,
13 pages 2 to 4, focus on load growths, demand forecasts, and
14 energy portfolios while regulating the council's 2026
15 Columbia Basin Fish & Wildlife Program to a bare mention.

16 After nearly half a century, the fate of the
17 Pacific Northwest salmon are -- still remain on a
18 catastrophic trajectory. Perhaps if Congress had had the
19 guts to name the bill the Pacific Northwest Electric Power
20 Fish and Wildlife Planning and Conservation Act and the
21 Northwest Power and Conservation Council -- the Northwest
22 Power Fish and Wildlife Conservation Council, fish and
23 wildlife concerns would not have been scrapped under the
24 negotiating table.

25 The introduction on page 2 states that data

1 centers and other high-tech industries are one of the main
2 drivers of this uncertainty in load forecasting. This is
3 misleading and a gross understatement. For what purposes
4 are data centers proposed to allow Amazon to construct
5 algorithms allowing them to send a drone to deliver a bottle
6 of aspirin to your house in the most efficient way or to
7 enable Microsoft to develop backyard nuke power plants as a
8 power source or to allow military contractors to produce
9 autonomous battlefield weapons or generate terabytes of
10 average intelligence slop, photoshopped imagery, and fake
11 news?

12 If you build out the load growth, they will come.
13 If you don't build it out, perhaps they won't come. It is
14 certain that, if you don't build it out, we and the
15 Northwest fish and wildlife will be better off. This would
16 allow more attention and resources to be devoted to
17 rectifying our dreadful treatment of Northwest fish and
18 wildlife and --

19 MR. PURCE: Fifteen seconds.

20 MR. ORTMAN: Thank you.

21 For example, in the past half century, the council
22 and BPA have failed to protect or restore the Yakima River
23 Basin's fish runs, and we would like to also just emphasize
24 that it's time, because of the temperature concerns, to keep
25 Yakima fish from returning. It is time to have fish

1 recovery by working strongly for the breaching of the lower
2 four Snake River dams.

3 MR. PURCE: Thank you very much.

4 MR. ORTMAN: Thank you.

5 MR. PURCE: Appreciate it.

6 Joseph?

7 MR. BOGAARD: Thank you. Good afternoon. My name
8 is Joseph Bogaard. I'm the executive director of Save Our
9 Wild Salmon. We're a coalition organization that works with
10 our member groups to protect and restore fishable abundant
11 populations of wild salmon and steelhead in the Columbia
12 Basin and across the Pacific Northwest for the benefit of
13 people and ecosystems.

14 As you know, there's a very tight nexus between
15 salmon and steelhead and our energy system in the Pacific
16 Northwest. Our region urgently needs policies that support
17 both the restoration of healthy fish populations and
18 reliable and resilient and affordable energy system. The
19 council, of course, sits right -- right -- right at this
20 nexus.

21 We appreciate the hard work of council and
22 councilmembers to develop the 9th Regional Power Plan. It
23 provides a good starting point for discussion. I want to
24 share a few of the ways we think it should be strengthened
25 before it's finalized.

1 Fortunately, doing the right things for our
2 regional energy system can also be very good for relieving
3 pressure on the river and making space for salmon recovery.
4 We hope the council pursues those opportunities. On the
5 energy side of the equation, we ask the council to focus on
6 a number of key improvements to the draft plan, including
7 increasing the plan's conservation and demand response
8 goals. The council's modeling reflects that more can be
9 done in both these areas, and it should beef up the plan's
10 goals consistent with those models.

11 At a minimum, the council should maintain the
12 plan's current goal of acquiring 9,000 megawatts of
13 renewable energy, and related to this issue is our ongoing
14 concern around transmission. The council should do all it
15 can to keep Bonneville a focus and accountable in moving
16 forward on much-needed transmission investments and
17 expansions and upgrades so we can deliver the renewable
18 energy where it's produced to where it's needed.

19 Finally, we ask the council to reduce the plan to
20 rely on some new natural gas. The change in climate is
21 harming us in myriad ways. It's raising costs, financial
22 and otherwise, and it's certainly increasing pressure on and
23 a risk to the extinction of cold-water species like salmon
24 and steelhead.

25 Switching to the salmon side of the equation, I

1 want to first highlight the perfect storm that's come for
2 our region's fish populations at this time. This includes
3 the hydro system, the change in climate, related drought
4 conditions, and -- and -- and now the arrival of fierce El
5 Nino weather pattern, not to mention the policies at
6 issuance coming from D.C. that's making life much harder for
7 fish and wildlife that are already struggling to survive.

8 So the council's leadership at this time is
9 especially important to help both energy and -- and -- and
10 fish recovery. For the 9th Power Plan, we ask the council
11 to explicitly embrace the vision and core elements of the
12 Columbia Basin Restoration Initiative, the roadmap for
13 salmon recovery, energy development, and other community
14 investments recently developed by the states and tribes in
15 the region. And we ask the council to assist the State of
16 Washington to model the energy replacement of the four lower
17 Snake River dams, a near-term priority that's critical to
18 our energy system and the salmon recovery.

19 And finally, I'll say council's leadership is an
20 essential ingredient to ensure that our region builds out
21 the energy system that we need and rebuilds healthy salmon
22 populations that are necessary to uphold our nation's
23 promises to tribes and are so important to our fishing
24 communities and fish and wildlife populations like the
25 southern reservoir. Thanks for this opportunity.

1 MR. PURCE: Thank you so much, Joseph.

2 I -- I want to -- yeah. Just -- thank you all
3 very much. I'm going to call up the next two people.
4 Appreciate your comments.

5 Phil Lundahl and Paul Zemtsov.

6 If I got that right, Paul.

7 MR. GOLDEN: And -- and while y'all are coming up,
8 I just wanted to say hi. Sorry I was late. And thank you
9 for the great testimony so far and for coming out and
10 telling us what you think. I -- I -- I appreciate David
11 Ortman calling us back to our history and our roots, but a
12 very important part of that story was this council was
13 created to offer a different decision-making process than
14 that smoke-filled room, the dynamic that led to those bad
15 decisions so long ago.

16 And so I just -- I just want to emphasize that
17 what you're doing here today is a big part of what we were
18 created to do. We don't just do smart planning and fish and
19 wildlife recovery planning. We -- we really do everything
20 we can to make this process public, transparent, and the
21 product ultimately the region's product. So, you know,
22 citizens have a lot of things to do these days, so I know
23 that this time and you coming out to do this is really
24 valuable, and we count on it and cherish it. And rest
25 assured that this is not PR for us. This is a big part of

1 how we make these decisions. Thanks.

2 MR. PURCE: I want to thank my colleague, KC, now.
3 I -- yeah. The -- the only -- the only thing I want to add
4 to that as well before we move ahead is we aren't trying to
5 be rude around the time. We hope that we have enough time
6 in the end that, if there's more that needs to be said, we
7 encourage you to be here to say that. We just want to make
8 sure that everybody gets an opportunity to express their
9 point. I think everyone appreciates that.

10 Okay.

11 MR. LUNDAHL: Hi. My name is Philip Lundahl, and
12 I live in -- oh, P-H-I-L-I-P, L-U-N-D-A-H-L. I live in
13 Lynnwood, Washington, and I am a ratepayer of Snohomish
14 County PUD. I am also on the justice and peace committee
15 and VP of our church council at University Lutheran Church
16 in Seattle.

17 As a ratepayer, I care most about having an energy
18 system that supports clean water and air and strong,
19 sustainable, and abundant salmon and steelhead populations.
20 As part of a faith community, we care about justice. This
21 power plan affects both social and environmental justice.
22 We need to honor our obligations to uphold tribal treaties,
23 the supreme law of the land, according to our U.S.
24 Constitution.

25 In regards to the four lower Snake River dams

1 situation, fishing sites, hunting grounds, wildlife habitat,
2 plant and berry gathering grounds, villages, archeological
3 sites, ways of life, even burial grounds were flooded and
4 lost. We can right a wrong here.

5 We can even help our westside southern resident
6 orca whales in the process. There are already extinct fish
7 docks in the Columbia Basin. Many other stocks are
8 critically endangered and heading down the same path to
9 extinction. This makes me sad. No fish docks have been
10 delisted after 35 years. Wild stocks are getting worse.
11 The Northwest Power Act requires BPA to balance hydropower
12 benefits with fish and wildlife protection. With these
13 extinctions and endangered stocks, is there this balance?

14 Warm and slow waters, toxic algae, increased
15 disease, more parasites, non-native predators, unsustainable
16 survival rates for juveniles and adults, too many barriers
17 all take their toll. We can do better here. We have an
18 opportunity to restore a river, its water, fish, and
19 ecosystem. We can open up clean, cold water spawning
20 habitats. Restoration of the lower Snake River gives us a
21 big bang for our buck in Columbia Basin fish recovery.

22 Back to the power plant. It must support the
23 Columbia Basin Restoration Initiative and regional salmon
24 recovery goals. The council should provide technical
25 support and modeling in partnership with Washington State to

1 incorporate lower Snake River dams, energy replacement into
2 our region's future power plants. Thank you for this
3 opportunity to speak with you today.

4 MR. PURCE: Thank you very much.

5 MR. ZEMTZOV: Hi. My name is Paul Zemtsov, P-A-U-
6 L, Z-E-M-T-Z-O-V. And I'm pretty much representing myself,
7 though I am a member of the Sierra Club.

8 I thank the staff at Northwest Power Conservation
9 Council for assembling a detailed and all-encompassing plan
10 for our future energy needs. I've had the privilege of
11 working with friends and neighbors in installing a community
12 solar ray of 37 kilowatts capacity. Admittedly, a small
13 amount, but every bit helps.

14 MR. GOLDEN: Could you pull that mic just a little
15 bit closer?

16 MR. ZEMTZOV: Sure.

17 MR. GOLDEN: Thanks.

18 MR. ZEMTZOV: Sorry. Can you hear me now?

19 MR. GOLDEN: That's good.

20 MR. ZEMTZOV: All right.

21 From this experience, I've learned -- I have
22 learned that we, in our community, do understand that
23 climate change is real and we support reducing these natural
24 gas source of carbon pollution. In this regard, I urge the
25 council in their recommendations to reconsider Resolution 1

1 regarding natural gas. Why, I ask, should Res 1 recommend
2 that 2,100 megawatts of new natural gas capacity be added by
3 2032?

4 I argue that no new natural gas capacity should be
5 added and, in -- in addition, we would reduce existing use
6 of natural gas throughout the Northwest. Why can more
7 capacity not be provided by batteries plus renewables?
8 Amazing progress has been made in battery storage,
9 lengthening duration time up to six or even eight hours.
10 Battery technology easily helps voltage regulation load
11 balancing and other services supplied by gas plants.

12 Additionally, when coupled with renewables such as
13 wind or sun, plenty of dependable round-the-clock power can
14 be created. I realize that resource retirement is not
15 within your purview, but there are also aging gas plants to
16 be retired. About 2,400 megawatts capacity of gas plants
17 were built in the 1980s and 1990s. Gas plants have useful
18 life of 25 to 35 years. These ancient facilities can be
19 replaced with renewables, batteries, and other emerging
20 technologies.

21 As of 2021 in the Northwest, natural gas produced
22 about 15 percent of total electricity. It is not
23 unreasonable to reduce this percentage by half by 2046. I
24 urge the council to review this aspect of the plan. Be bold
25 and ambitious in reducing all use of carbon-emitting natural

1 gas. Future generations will thank you.

2 MR. PURCE: Thank you all very much.

3 Don Miller and Connie Voget? Welcome up. And I
4 want to encourage you to pull that mic up close to make sure
5 we're able to hear you. Welcome, Connie.

6 MS. VOGET: Thank you.

7 MR. MILLER: Hello. My name is Don, D-O-N,
8 Miller, M-I-L-L-E-R. And I am a PUD customer in Rural
9 Snohomish County. I would like to thank the council for the
10 detailed and what I consider well-focused draft power plan.
11 That said, I think, given that we've had several consecutive
12 years of low snowpack with more projected and that climate
13 projections have unfortunately a habit of reaching us before
14 their predicted date, that even a greater emphasis needs to
15 be given on development of non-hydro renewable energy and
16 battery storage.

17 I ask the council also to take a look at -- a
18 discerning look at the energy demands for new data centers.
19 On one hand, we hear claims that we could have solar panels
20 in space and problem solved. And on the other hand, we see
21 data centers being energized with gas-powered plants. Will
22 the data centers be benefiting the people of this region, or
23 will they be enriching billionaires and trillionaires trying
24 to compete with one another for dominance in the AI
25 industry, dominance at the expense of our local communities

1 and Northwest environment?

2 It would be perplexing to expect power consumers
3 to engage in demand response as energy flowed to unfavorable
4 data centers. There is a need for additional voices and
5 leadership in the realm of data centers, and I look to the
6 council to realize further leadership in this arena.

7 The work put forth in the North -- or excuse me --
8 the 9th draft power plan demonstrates council's ability to
9 provide critical analysis at this juncture, and I encourage
10 you to reach even deeper into that analysis further
11 promoting energy development that increases diversification,
12 decrease -- decreases reliance on hydropower, and ensures
13 benefits to our local communities and our Northwest
14 environment. Thank you.

15 MR. PURCE: Thank you very much.

16 MS. VOGET: Connie Voget, C-O-N-N-I-E, V-O-G-E-T.
17 Good afternoon. I live in Seattle, and I am a member of the
18 Green Team at Keystone United Church of Christ. We are
19 committed to care of the planet and social justice. Our
20 members advocate for clean energy in addition to other --
21 taking other actions.

22 I appreciate the council's plans for meeting
23 regional electricity demand from its beginnings in 1983
24 following the historic planning failure of the Washington
25 public power supply system. I appreciate the council's work

1 and mandate to protect fish and wildlife impacted by hydro.
2 Now we are in another historic moment when the council with
3 the 9th Power Plan tackles the challenge of the expected,
4 unprecedented increase in electricity demand in the near
5 term, mostly from data centers, although there's a large
6 uncertainty as you mentioned.

7 I appreciate the sophistication and thoroughness
8 of the analysis, also that this plan's package contains
9 mostly renewables, conservation, and storage for resiliency,
10 reliability, and cost-effectiveness. And I appreciate the
11 opportunity to advocate for a modification. I urge the
12 council to reconsider the recommendation on page 100 for
13 2,100 megawatts of new natural gas for the 2027 to 2032
14 period.

15 The cost of gas infrastructure has escalated since
16 the draft was written, doubling for combined cycle plants,
17 increasing less but still significantly for peakers. I urge
18 the council to enable renewables to displace new gas by
19 recommending more high-voltage transmission capacity and
20 more transmission expansion.

21 Also, I'm recommending more demand response,
22 especially for data centers. I urge the council to
23 prioritize the recommendation on page 108 to assess whether
24 storage or natural gas is more effective for meeting
25 capacity need. An additional benefit of storage is that

1 batteries located along hydro plants can enhance hydro
2 flexibility, protecting fish.

3 In conclusion, I believe the 9th Power Plan can
4 get us closer to the clean energy future we need, especially
5 with this and other modifications that I know other
6 advocates for clean energy are proposing. Thank you.

7 MR. PURCE: Thank you so much, y'all.

8 Reggie Westgate and George Slaats?

9 MR. WESTGATE: Hello. My name is Reggie Westgate,
10 R-E-G-G-I-E, W-E-S-T-G-A-T-E. I'm from Tacoma, Washington
11 and a ratepayer with Tacoma Power. I'm a student leader
12 with Save Our Wild Salmon, and I'm also a research student
13 at the University of Puget Sound where I study snow and ice
14 in Washington's national parks.

15 Thank you for hosting a hearing here in Seattle,
16 and thank you for listening to and considering our concerns.
17 When I was working at Mount Ranier, I had a safety manager
18 who always insisted safety is not a priority because our
19 priorities can change. Safety is an identity, and we can't
20 change our identity.

21 I see conversations about the future of our
22 region's power in a similar way. The 9th Power Plan needs
23 to prioritize a cleaner, more affordable, and more reliable
24 regional energy grid. While we focus on those priorities,
25 we cannot stray from our region's identity, salmon. That

1 means we must reconcile with the fact that it is not clean
2 energy if it's threaten our identity.

3 The energy produced by the four lower Snake River
4 dams is not clean energy. That is why I'm asking the 9th
5 Power Plan supports the Columbia Basin Restoration
6 Initiative and our region's salmon recovery goals. I also
7 ask that the power plan's resource strategy work with and
8 support Washington State in planning for the replacement of
9 the energy produced by the four lower Snake River dams.

10 This is the most significant power plan in
11 history. The impacts of these decisions in this plan won't
12 just be felt over the course of the next five years. This
13 sets the stage for the -- for the Northwest that my
14 generation is going to inherit. We don't want to inherit
15 problems that we can't fix. We don't want to inherit power
16 bills that we can't afford. We don't want to inherit a
17 species that we can't save. We don't want to inherit an
18 identity that is already lost.

19 Thank you again, Councilmembers, for considering
20 our concerns, and thank you to all the staff who make these
21 in-person hearings possible.

22 MR. PURCE: Thank you, Reggie.

23 MR. SLAATS: Hello. My name is George Slaats, G-
24 E-O-R-G-E, S-L-A-A-T-S. And I am a student leader for the
25 Next Gen Salmon Collective with Save Our Wild Salmon. I am

1 a Tacoma Power ratepayer, and I study biology and
2 environmental policy at the University of Puget Sound in
3 Tacoma.

4 Thank you for the opportunity to provide comments
5 on the draft 9th Power Plan and for all the work that has
6 gone into it so far. As a student and young person, I
7 understand that, if we do not make informed and responsible
8 policy decisions now, there may not be healthy salmon
9 returns in our waters within my lifetime.

10 As a ratepayer, I also care about having an
11 affordable and reliable energy system. These two values
12 must coexist. In the final plan, I urge you to more
13 robustly prioritize regional salmon recovery goals and
14 implementation of the Columbia Basin Restoration Initiative
15 to prioritize new clean energy over natural gas and expand
16 the transmission capacity and to prioritize additional
17 conservation and demand response programs.

18 The council should provide technical support and
19 modeling in partnership with Washington State to incorporate
20 lower Snake River dam energy replacement into our region's
21 future energy plans. And I urge you to request BPA to
22 prepare for an acquire renewable resources to lead the
23 region in expanding transmission capacity in order to
24 integrate them into our grid.

25 Finally, I urge you to create a load management

1 forum so that the region can maximize future flexibility and
2 avoid further strains on the river systems from data centers
3 and other large-scale energy users. These measures are
4 necessary and doable. They would make meaningful progress
5 toward salmon and steelhead recovery as well as ensuring
6 reliable and affordable energy systems.

7 Like many of my student peers, I care deeply about
8 the future of our rivers, our fish, and our communities and
9 understand that we are not separate from our environments.
10 The council holds the power to make decisions that will
11 directly impact the future energy landscape and
12 environmental health of the region. The repercussions of
13 decisions made now will be felt most heavily by my
14 generation and those that come after me.

15 I appreciate the opportunity to comment on this
16 matter, and I thank you for taking the time to reflect on
17 these comments and to implement responsible recommendations
18 for our future. Thank you to the staff and councilmembers
19 for your time and opportunity for feedback.

20 MR. PURCE: Thank you all very much.

21 Julian Santos and Vi Twyman?

22 MR. SANTOS: Good afternoon, members of the
23 council and staff. My name is Julian Santos. That's J-U-L-
24 I-A-N, S-A-N-T-O-S. Speaking today on behalf of Washington
25 Conservation Action where I serve as the climate and clean

1 energy senior manager. Our organization has been around for
2 over 60 years engaging on various issues in the region. And
3 we are members of the Northwest Energy Coalition and will be
4 signing onto comments that the coalition will submit soon
5 enough.

6 Today, I just want to touch briefly on some high-
7 level topics that are particularly important to us with
8 respect to energy. First of all, I want to say thank you
9 for your hard work and dedication in laying a strong
10 foundation in the draft plan. We strongly commend the
11 proposed resource strategy, particularly commitment to a
12 balanced, diverse portfolio focused on conservation, demand
13 response, and renewable generation.

14 We also want to highlight and support the plan's
15 emphasis on expanding regional transmission capacity. We
16 believe that enhancing transmission infrastructure is
17 essential for Washington's access, cost-effective energy
18 sources across the region.

19 However, given that energy supply is increasingly
20 unlikely to keep pace with growing demand due to a number of
21 challenges, we strongly urge the council to establish a load
22 management forum to proactively address load growth and
23 system flexibility. This forum could go a long way to
24 addressing the concerns that we and many others have about
25 data centers.

1 Thank you again to the council and staff for your
2 leadership and continued efforts toward an affordable and
3 reliable energy future.

4 MS. TWYMAN: My name is Vi Twyman, V-I, T-W-Y-M-A-
5 N. I'm a student at the University of Puget Sound in
6 Tacoma, a student leader with Save Our Wild Salmon, and a
7 ratepayer of Tacoma Power. As a ratepayer and a resident, I
8 care both about affordable and reliable energy and
9 supporting sustainable and abundant fish populations.

10 It's my hope that the 9th Power Plan can bring us
11 closer to salmon and steelhead recovery and help us develop
12 new clean energy sources to meet future demand. In
13 finalizing the plan, I encourage the council to prioritize
14 implementing the Columbia Basin Restoration Initiative, new
15 clean energy sources, better transmission capacity, and
16 conservation and demand response programs.

17 I would especially encourage reducing our reliance
18 on the Snake -- Snake River dams by creating new clean
19 energy sources to replace dam energy. With the impacts that
20 these dams are having on salmon health with only eight
21 sockeye adults able to swim back up the river this year, it
22 would be unrealistic and dishonest to call them clean or
23 sustainable.

24 I urge the council to consider ways we can
25 decrease our reliance on these dams and allow more runover

1 to protect salmon health. These methods may include demand
2 response, expansion of solar and wind power, and updating
3 transmission lines to decrease power loss. These measures
4 are both necessary and achievable and would make meaningful
5 progress both towards salmon and steelhead recovery and
6 ensuring a reliable, affordable energy system.

7 Changing the way our hydro power system is
8 operated, both to support healthy and abundant salmon and to
9 advance a moderate and healthy -- or moderate and reliable
10 electricity system is a benefit for everybody. Thank you
11 for -- to the council for giving me this time and for
12 considering our obligations to our habitats and our
13 communities.

14 MR. PURCE: Thank you all very much.

15 Juno Spafford and Brian Rulifson?

16 Floor is yours.

17 MS. SPAFFORD: Hello. My name is Juno Spafford.
18 I live in Seattle and I'm a salmon educator. I graduated
19 from Seattle University last year with a degree in
20 environmental studies and a focus on red herring restoration
21 for salmon recovery in Washington State.

22 I, like many others here today, am urging you to
23 prioritize regional salmon recovery goals. This means
24 implementing the Columbia River Basin Restoration Initiative
25 and new and expanded clean energy infrastructure.

1 The council -- this council can and should provide
2 support to Washington State and use the power plan strategy
3 to replace energy produced by the four lower Snake River
4 dams with renewable energy and resources. Passive
5 restoration efforts and a distinct lack of -- of funding
6 towards interior monitoring leaves us 40 years on after the
7 first major restoration project began in Washington without
8 a single salmon or steelhead species recovered to pre-dam
9 levels.

10 The only way to see success for the Columbia River
11 Basin Fish & Wildlife Program is dam removal and energy
12 replacement. I take pride in being a salmon steward and
13 salmon educator, and I will never be dissuaded from
14 continuing to teach the importance of salmon to our
15 ecosystem and communities despite the lack of prioritization
16 of salmon recovery by the BPA.

17 I can only hope that the time has finally come for
18 conservation and energy -- clean energy targets made in
19 collaboration with tribal communities, residents, and
20 wildlife to be achieved. Thank you.

21 MR. PURCE: Thank you.

22 MR. RULIFSON: Hi. My name is Brian Rulifson.
23 That's B-R-I-A-N, Rulifson, R-U-L-I-F-S-O-N. I'm just happy
24 to see in the plan substantial renewables, but the reason
25 why I'm here today is because I'm -- I'm speaking on behalf

1 of myself and my minor children where the 2,100 megawatts of
2 natural gas -- and we'd like to see that at zero megawatts.
3 Some of our concerns were that -- of the cost-effectiveness
4 of that natural gas capacity has to account for lifecycle
5 costs.

6 I also did some back of the -- these paper
7 calculations here and -- and came up with an idea of 25
8 kilotons of carbon per year. And when I -- when I read
9 that, I -- some of my children are interested in -- in
10 history, and I was realizing that that is 21 kilotons was
11 the yield of the -- I think it was dropped on Nagasaki. So
12 these are different quantities, but when it comes to
13 kilotons, then that's what some of us think about.

14 So once you order these natural gas turbines and
15 the productions will be cost-effective for decades, but
16 they're going to emit a lot of carbon. And we also probably
17 assume that the gas rates will remain somewhat steady,
18 which, in the current climate that we've seen, you know,
19 geopolitical events, I don't think that there's any -- any
20 guarantee of that.

21 I'm also concerned about new corporate loads in
22 the form of data centers and planning for that fickle
23 demand, and I'd hope that the plan would consider thermal
24 loading of those large corporate loads on the Columbia River
25 and the salmon -- the fish and wildlife. Just balancing the

1 flow, by the way, is not enough when the river water is
2 warmed from those large corporate loads for a significant
3 distance downstream.

4 So thank you very much for taking time --

5 MR. PURCE: Thank you all so much.

6 Richard Voget and Christina Carpentiere?

7 Welcome.

8 MR. VOGET: Rich Voget, R-I-C-H, V-O-G-E-T. My
9 name is Rich Voget. I'm a member of Climate Solutions and
10 Sierra Club. I want you to filter all your decisions first
11 through the lens of climate change. The worst day of my
12 life was when our only child died. I don't want any parent
13 to experience that grief. Climate change kills people. It
14 is the very young and the very old who die in heatwaves. So
15 how can you address the prospect of rapid demand growth
16 without accelerating climate change?

17 To curtail climate change, we need to stop using
18 fossil fuels and electrify everything. Unfortunately, that
19 contributes to the demand growth, that addressing the
20 electrification demand growth by burning fossil fuel to
21 provide electricity to limit the effects of burning fossil
22 fuels is nonsensical. Instead, clean, renewable energy and
23 battery storage has to be used to meet electrification
24 demand growth.

25 The demand growth from data centers can be small.

1 Just require to have the centers to provide all their own
2 renewable energy and battery storage and to pay for any
3 transmission lines to the grid. What right does a data
4 center have to demand the utilities supply them so much
5 power that it puts the utility at risk of insufficient power
6 to the community during peak loads.

7 It's like one party guest eating most of the food
8 at the party. Data centers have money. Why should utility
9 customers be stuck with the bill for system upgrade
10 expenses? There's probably some agreement that utilities
11 must supply power to all its customers but not when
12 demanding such a large quantity. Peak power backup cannot
13 be from fossil fuels or you will be killing people.

14 If a data center says it will provide only 80
15 percent of their needed energy and will draw the balance
16 from the local utility grid, then demand response strategies
17 need to be absolutely crystal clear. During the utility's
18 peak demand times, the data center must cut their power
19 usage as much as is needed for the utility to avoid a
20 brownout to their customers.

21 Data centers will complain that it is too
22 expensive or too slow to use renewable energy instead of
23 fossil fuel. They want to externalize the cost of climate
24 change onto society and, gee, it's too bad that people die
25 in climate catastrophes. The cost to society is too great

1 for them to both get a price break and allow them to use
2 fossil fuels for power generation.

3 I will remind you again that the collateral damage
4 of using fossil fuels is death. Make data centers pay the
5 full cost of generating their own clean power. Thank you.

6 MR. PURCE: Thank you very much.

7 Christina?

8 MS. CARPENTIERE: Hi. I'm Christa Carpentiere.
9 That's C-H-R-I-S-T-A, C-A-R-P-E-N-T-I-E-R-E. I'm Christa
10 Carpentiere. I live here in Seattle, and I am a huge
11 outdoor enthusiast. I spend a lot of my time outdoors here,
12 but I get really concerned when I hear about things like
13 heat domes and wildfires, and I sit inside during August and
14 I can't go outside because it's too hot or too smoky.

15 So when I think about those sorts of things, I
16 look to our power plant, and the choices we make today will
17 determine whether or not these things continue, if they get
18 worse, if they get better. So I strongly encourage you to
19 do everything you can to support clean power. When I was
20 reading through the plan, I was very impressed with how much
21 it did focus on things like demand response and renewable
22 energy, and I would say please continue in that vein.

23 Things like transmission improvements, grid
24 improvements, anything we can do to make renewables more
25 supportable and make us less dependent on gas for our peak

1 loads. Like everyone else, I find data centers very
2 concerning. I think, if we do zone for them and we do allow
3 them, they should have to provide their own energy, and that
4 should have to be clean energy. They should not be getting
5 around -- getting around those requirements by using gas
6 turbines or something like that.

7 In the case that they do draw on our power grid,
8 they should have to be responsible for the buildout to
9 support the transmission that they will require. Lastly, in
10 the realm of demand response and conservation, in addition
11 to things like heat pump improvements and modernization,
12 which is great, I would love to see us regionally encourage
13 more things like home solar.

14 There used to be federal incentives for that, and
15 it would be great if we -- if we could see local incentives
16 for that because it doesn't look like much, but it can
17 really do things like peel -- peel some of that top demand
18 off during peak loads, like really hot spells or really cold
19 spells and kind of help us from having to expand gas
20 capacity to -- to meet that kind of flexible load demand.

21 And thank you for the chance to address you. And
22 that's it.

23 MS. PURCE: Thank you so much.

24 MS. CARPENTIERE: Thank you.

25 MR. PURCE: Thank you very much.

1 Rein Attemann and Ben Avery, please?

2 MR. ATTEMANN: Hello.

3 MR. PURCE: He, Rein.

4 MR. ATTEMANN: Hi. Rein Attemann, R-E-I-N, A-T-T-
5 E-M-A-N-N. And I'm here serving as the clean water and
6 salmon program director at Washington Conservation Action.
7 I echo many -- many, if not all, the comments made
8 previously. I live in Seattle, and I am a ratepayer for
9 Puget Sound Energy and Seattle Public Utilities for
10 electricity.

11 As a ratepayer, I care about having affordable and
12 reliable clean energy systems. A few years ago, we
13 installed a solar panel system in order to be more energy
14 independent, support renewable energy industry, and lessen
15 our contribution to climate change. I would like to commend
16 the work -- the hard work of the council, the staff, and a
17 wide range of regional stakeholders working to update the
18 9th Power Plan as well as the Fish & Wildlife Program that
19 was adopted earlier this year.

20 The 9th Power Plan is consequential for energy
21 future. It should also chart a course towards meaningful
22 salmon and steelhead recovery goals and honor our
23 obligations to uphold treaty -- tribal treaties.

24 In the final plan, I urge you to -- to be more
25 robustly -- excuse me -- in the final plan, I urge you to

1 more robustly prioritize regional salmon recovery goals, new
2 energy, and clean renewable energy sources, expand
3 transmission capacity, additional conservation, and demand
4 response programs and work on -- and work on implementation
5 of the Columbia -- Columbia Basin Restoration Initiative.

6 The power plan resource strategy can replace the
7 700 megawatts produced annually from the lower Snake River
8 dams, and council should provide technical support and
9 modeling in partnership with the Washington State to
10 incorporate lower Snake River dams and energy replacement
11 into our region's future power plans.

12 The final plan should remove barriers to -- to
13 necessary transmission connections across our four states,
14 create a load management forum so that the region can
15 maximize future flexibility, and avoid further strains on
16 our river systems from data centers and other large-scale
17 energy users, adopt strong conservation targets, and
18 encourage region-wide collaboration to meet these goals,
19 develop model conservation standards for data centers, and
20 beef up installations, drive BPA to help regional utilities
21 to implement demand response programs and modernize energy
22 conservation delivery, and reduce a reliance on natural gas
23 energy -- energy production buildout to zero, as somebody
24 said earlier.

25 So these measures are necessary and doable and

1 would make meaningful progress toward salmon and steelhead
2 recovery and ensure a reliable, affordable energy system for
3 all of us. Thank you for this opportunity, and we'll be
4 submitting additional comments.

5 MR. PURCE: Thank you, Rein.

6 MR. AVERY: Good evening.

7 MR. PURCE: Good evening.

8 MR. AVERY: My name is Ben Avery, B-E-N, A-V-E-R-
9 Y. My name is Ben Avery. I live in Twisp, Washington. I'm
10 a ratepayer, Okanogan PUD. I'm also the state director for
11 the Sierra Club here in Washington. I also have to say I'm
12 a proud UPS alum --

13 MR. PURCE: Yeah.

14 MR. AVERY: -- in particular today. I'm
15 testifying on behalf of our more than 81,000 members and
16 supporters statewide.

17 First, I do want to thank the council, especially
18 our awesome team from Washington, and the staff for very
19 sound, professional work on the draft power plan to date.
20 We support much of what it represents, a diverse portfolio
21 led by renewable storage, an emphasis of expanding our
22 transmission infrastructure, and a renewed commitment to
23 maximize the potential of energy efficiency.

24 I'm here to urge three specific enhancements
25 before the plan is finalized for the benefit of our rivers,

1 our forests, our pocketbooks, and our climate. First and
2 foremost, please be more ambitious with regard to demand
3 response programs and push Bonneville to lead on this. The
4 current draft only proposes 599 watts from demand response
5 by 2032 while modeling demonstrates a potential for up to 3
6 times that amount.

7 We know that lowering energy needs in very finite
8 periods of peak energy demand, rent some for only a few hour
9 -- hours of time makes a tremendous difference. That keeps
10 rates low and reduces the amount of new resources we have to
11 build and critically reduces pressure on the hydro system
12 and our beleaguered salmon and steelhead populations. So
13 aggressive adoption of time of rates use -- time of use
14 rates -- excuse me -- and curtailment agreements with large
15 load users in particular, like data centers, act like a
16 power plant when the grid is particularly stressed.

17 Please adjust the demand response projections
18 upward and push BPA to lead on this, particularly with rural
19 utilities. Second, include commitment to convene a regional
20 load management forum as mentioned before tonight. Our
21 region has a proud history of fitting load to our unique
22 hydro system, but we have these new complex factors that
23 deserve significant debate to increase grid flexibility.
24 Convening a large load management forum under your authority
25 could rapidly build a regional strategy for conservation,

1 demand response, distributed resources, and large load
2 flexibility.

3 Third, make data center flexibility a requirement,
4 not an aspiration. We support the proposed model
5 conservation standards proposed in your plan. New large
6 loads show that they can ramp down, delay tolerant work
7 when grid emergencies are happening, and make their backup
8 capacity available when the region absolutely needs it.

9 Flexibility is a resources that -- is the resource
10 that serves so many goals at once. Thank you for the time
11 and for your work to date.

12 MR. PURCE: Thank you, Ben.

13 Thank you all.

14 Amy Grondin -- Amy Grondin and Kaeli Fertal,
15 please?

16 MS. GRONDIN: Am I first?

17 MR. PURCE: Yes.

18 MS. GRONDIN: My name's Amy Grondin, A-M-Y, G, as
19 in gulf, R-O-N-D-I-N. I live in -- Amy Grondin. I live in
20 Port Townsend, Washington, and I'm a ratepayer with
21 Jefferson PUD, Jefferson County. My husband and I are
22 commercial fishermen, and as of this week, I have been a
23 commercial fisherman for 30 years, which is half of my life.

24 So we rely on -- and we -- my husband and I rely
25 on the health of Washington and Oregon salmon populations to

1 make the living that pays for our mortgage, our medical
2 bills, our taxes, buys the groceries, so much more. And
3 right now, it's really hard to pay your insurance, so that's
4 -- we're looking for a new plan on that one. Nothing you
5 can control.

6 So salmon are very important business partners for
7 us. When we're not catching them, we do our best to protect
8 them and restore the habitat that they need to produce the
9 next generation that will swim up river and live -- or swim
10 down river and live their life at sea until they return to
11 the river as adults to spawn. That's why I'm here today.

12 This is why, as a ratepayer, I -- I care about
13 having an affordable, reliable, clean energy system that
14 also supports strong, sustainable, and abundant fish
15 populations. The 9th Power Plan is important for our
16 region's future and should include a focus on salmon and
17 steelhead recovery and development of clean, new energy
18 sources to meet future demands.

19 In the final plan, please place a priority of
20 regional salmon recovery goals and the implementation of the
21 Columbia Basin Restoration Initiative, clean energy as well
22 as expanded transmission capacity, and additional
23 conservation and demand response programs.

24 I have read that the power plan resource strategy
25 can replace the power produced annually by the four lower

1 Snake River dams to the tune of 700 megawatts. Despite all
2 efforts that have been made to help juvenile salmon swim
3 downstream past these four dams to the ocean and there's
4 adults back up river to spawn the next generation, these
5 fish are not recovering.

6 Please note that the Northwest Power Act requires
7 BPA to -- to balance hydropower benefits with fish and
8 wildlife protection, and to do so, that the power plan must
9 support the Columbia River Basin Restoration Initiative and
10 the salmon recovery goals. If you don't know, the -- this
11 Columbia Basin Restoration Initiative brought together all
12 sorts opinions and needs to try and work a few things out.

13 The council should provide technical support and
14 modeling in partnership with Washington State to incorporate
15 lower Snake River dam energy replacements into our -- our
16 region's future power. As a fisherman, I'm alarmed by the
17 fast-paced push to build data centers around Pacific
18 Northwest rivers and fields that farmers should and could be
19 growing food on that goes along with the food that -- salmon
20 that I catch.

21 I think that people have forgotten that we can't
22 eat data and that the data centers are competing with
23 farmers and fishermen and the fish for the water that we
24 need to make these things happen. It's necessary to take
25 measures -- to make -- to take measures to make more

1 meaningful progress towards salmon and steelhead recovery
2 and ensure reliable, affordable energy system. Changing the
3 hydro -- the way the hydro system powers operate to support
4 healthy and abundant salmon in advance -- in advance of
5 modern reliable electricity system is a win-win for all of
6 us. Thank you.

7 MR. PURCE: Thank you very much.

8 Kaeli?

9 MS. FERTAL: Good evening. My name is Kaeli
10 Fertal, K-A-E-L-I, F-E-R-T-A-L. I live here in Seattle, and
11 I'm mostly speaking for myself but am a staff member with
12 the Sierra Club.

13 I'd like to begin by thanking the council and
14 staff for your decades of leadership that have helped make
15 the Northwest a national example of energy conservation
16 climate action. As currently written, the draft 9th Power
17 Plan continues much of that innovative policy. The
18 significant investment in renewable energy is an important
19 step towards meeting our region's growing energy needs. But
20 I'm here today to ask you to push harder.

21 As a college student and later, in my early career
22 as a marine biologist in the early 2010s, 2030 felt
23 comfortably distant. The climate policies we needed to
24 avoid irreversible tipping points felt ambitious but
25 achievable. The changes we were witnessing to our

1 ecosystems were a warning, not an inevitability. There was
2 still time.

3 Now, it's well over a decade later, and just last
4 month, United Nations officially reported that exceeding 1.5
5 degrees of warming is unavoidable. The report also made
6 clear that we have the solutions we need but that we aren't
7 acting with enough urgency, and every fraction of a degree
8 still matters. It matters immensely. Every bit of warming
9 that we can prevent means fewer lives lost, less ecosystem
10 damage, and less suffering.

11 That changes how I look at a 20-year energy plan
12 written in 2026, and I hope it changes how you look at this
13 plan. I understand that we are grappling with unprecedented
14 demand and uncertainty, but the Northwest has never been a
15 region content to simply do what's adequate. I'm not an
16 expert in energy systems or regional power planning, but you
17 are. And so my ask to you is that you use that expertise to
18 find every opportunity to meet our energy needs without
19 locking us into additional fossil fuel infrastructure.

20 Because while I'm not an energy expert, as a
21 scientist turned advocate and avid outdoor recreationist, I
22 deeply understand the consequences of continued climate
23 warming. In particular, I urge the council to revisit the
24 energy conservation and demand response sections to ensure
25 that we are maximizing these resources before turning to new

1 generation.

2 And those conservation goals should apply equally
3 across all four states. The draft recognizes that data
4 centers may be able to provide valuable load flexibility. I
5 urge you to go further. Power-hungry users like data
6 centers should be required, not only encouraged, to shift or
7 reduce their operations to alleviate the strain that they're
8 creating.

9 They must also build the flexibility and capacity
10 into this plan to replace the energy services of the four
11 lower Snake River dams, restoring a free-flowing lower Snake
12 River, and giving our salmon and steelhead a real chance at
13 recovery is compatible with a reliable energy system. We
14 have the tools to build a clean, reliable, affordable, and
15 resilient energy future. The 9th Power Plan should be
16 ambitious enough to use them to their full potential. Thank
17 you so much for your time.

18 MR. PURCE: Thank you both very much.

19 Julia Reitan and Tim Sterns? I hope I got that
20 right.

21 Welcome.

22 MS. REITAN: Okay. Hello. My name is Julia
23 Reitan, J-U-L-I-A, R-E-I-T-A-N. I'm speaking as an
24 individual, but I have been associated with the Sierra Club
25 for many decades.

1 And I cared about energy and energy conservation
2 and efficiency since age six. At that point, my parents
3 built a home in Central Illinois, a standard ranch house of
4 the day, but my mother insisted it would have passive solar
5 design, and so she researched how wide the eaves would need
6 to be in order to block the sun in the summer and allow it
7 in in the winter in our location in Central Illinois.

8 She asked for so much insulation in our house that
9 the contractor actually told her, "Lady, nobody puts in, you
10 know, insulation like that." And for the big windows that
11 faced south, she picked a newfangled invention at the time,
12 casement windows that had double -- double glazing. And so
13 for 60 years now -- over 60 years, I have been able to -- I
14 have internalized that story of energy conservation and
15 energy efficiency just being the right thing to do.

16 I've always thought it was cool to live in the
17 Northwest where that is by law and by plan, the primary
18 means to meet our energy needs. And I realize that this 9th
19 Power Plan is continuing that. The only thing I would do is
20 encourage you to double down because, even if we do need new
21 -- new electricity resources, that is still our best option.
22 And it's just the smart, right thing to do.

23 A couple other comments about the plan. The plan
24 is looking at new gas-fired turbines for electrical
25 generation. And I as understand it, pipelines are at or

1 near capacity at this point, the natural gas pipelines. And
2 building long, skinny connectors across miles of state is
3 hard. Let's not waste effort on pipelines that move fossil
4 fuels that you then just got to burn in order to make
5 electricity the old-fashioned way. Let's build transmission
6 lines that actually carry electricity from where it can be
7 most cleanly produced to where it's needed.

8 I urge you to focus more of the plan on renewables
9 and the conditions to get transmission lines and not
10 pipelines built. And finally, there is the council's
11 responsibility to protect fish and wildlife. Fish need
12 water to flow when they need it, and I urge you to do even
13 more to require flexibility for fish. Thank you so much.

14 MR. PURCE: Thank you, Julia.

15 MR. STEARNS: Good evening. My name's Tim
16 Stearns, T-I-M, S-T-E-A-R-N-S. I am currently a Seattle
17 City Light ratepayer, which I have been since 1984. I
18 followed the power lines west from Montana because Montana,
19 at that time, was slated to have 25 coal plants to keep hot
20 tubs hot and white wine cold in the West. And I thought
21 there was a better way.

22 The Northwest power system powered my
23 Grandfather's farm, but it was also accompanied by misguided
24 -- misguided policies. To obtain electric service, my
25 grandfather had to remove four wind-powered irrigation

1 systems. It was ridiculous. I've been involved in the
2 Northwest Power Act since 1978. As a college student, I
3 wrote a couple of papers denouncing how foolish it was just
4 to have blank check to underwrite five number power plants.

5 Luckily, we were able to improve it, but we still
6 never got it right. I worked my whole career to establish
7 efficiency as a resource, and we've now achieved 8,000
8 megawatts of it. I worked to help pass model conservation
9 standards across the region. I was called a communist
10 multiple times because I advocated two-by-six walls with
11 insulation and -- but we overcame them.

12 We also did some -- some visionary policies. So I
13 worked to establish the framework for rooftop solar across
14 the states of Oregon and Washington, including
15 interconnection, planning, zoning, and siting, and building
16 standards. I'm sorry to say that council showed little
17 interest. They didn't think those were cost-effective, but
18 frankly, it takes the bold to make things cost-effective.

19 And we have done that now, but it was part of a
20 national effort. So I point that out because there's a lot
21 of innovations that need to be included in this plan that
22 aren't at this point, and I -- my time is running, so -- and
23 I've worked on salmon issues since the ESA took over in
24 1991, which never should've happened. We did a well on the
25 efficiency side of the Power Act. We have not done as well

1 on the fish side.

2 We've -- many of us have done efforts to improve
3 habitat across the region. But frankly, we have never been
4 able to fix the hydro system. Right now, the hydro system
5 -- both the Yakima River and the Hanford breach are far more
6 productive than the Snake River, which used to carry the
7 lion's share of it. So I -- I guess I would submit that
8 ratepayers have always wanted this clean, reliable, and
9 sustainable system. And we all believe that we should honor
10 the treaty rights that we have done. We've tried a lot of
11 techno fixes, and we've wasted a lot of money. But it's
12 time to get on -- on with it.

13 I want to close with this. We need to bring
14 sanity back to the data center conversation. When I worked
15 for the State of Washington, data centers were always
16 begging us for tax incentives. They were always begging us
17 for --

18 MR. PURCE: Thank you.

19 MR. STEARNS: -- transmission access. But
20 everything inside the box, they considered proprietary, and
21 it was kind of really unfair. It's -- it's time now that we
22 establish real life conservation standards for water and
23 electricity.

24 MR. PURCE: Thank you.

25 MR. STEARNS: Thank you very much.

1 MR. PURCE: We appreciate it.

2 Tommi Adams and Kathleen Callaghy? Excuse me. I
3 hope that's right. (Coughs) Excuse me. Okay.

4 MS. ADAMS: I'll just -- hi.

5 MR. PURCE: Hi.

6 MS. ADAMS: Good evening. My name is Tommi Adams.
7 I'm here representing Tommi Adams, and --

8 MR. PURCE: Will you please state your name and
9 spell it for the record?

10 MS. ADAMS: T-O-M-M-I, A-D-A-M-S. I'm here
11 tonight because I care deeply about our communities today,
12 tomorrow, seven years from now. I care about our fish and
13 wildlife and the rise in sovereignty in tribal nations.

14 Just like everyone else here, I first started off
15 my testimony with why data centers suck. I think we need to
16 be honest about what kind of growth we are preparing for and
17 who that growth is serving. The 9th Power Plan identifies
18 data centers as one of the major uncertainties in the future
19 electricity demand, and I want to be clear. I'm not against
20 planning for energy needs. I'm questioning whether we
21 should build our entire energy system around an industry
22 whose future growth is so uncertain.

23 And when data centers are creating such a
24 significant amount of uncertainty in our forecast, I think
25 we should be asking more than just how do we generate enough

1 electricity for them. We should also be asking do we
2 actually want to plan this much of our energy future around
3 them.

4 Who pays for the infrastructures we build? That
5 question becomes even more important when we look at what
6 the 9th Plan is proposing. Nine thousand megawatts of new
7 renewable of generation, five thousand two hundred megawatts
8 of storage, and two thousand one hundred megawatts of
9 natural gas. I want to understand how much of that is truly
10 necessary for the Northwest long-term needs and how much is
11 being driven by uncertain future industrial demand.

12 And when we talk about building that much
13 generation, storage, and transmission, we also have to ask
14 what those projects mean for the places where they are
15 built. Are we considering the impacts on wildlife habitat,
16 salmon, rivers, water, land, and the communities that live
17 alongside this infrastructure? I talk a little bit about
18 hydro operations as well.

19 But for the sake of time, let me continue. And
20 then this transition. Even if we built thousands of
21 megawatts of renewable generation and storage, those
22 resources don't help if we cannot move electricity where it
23 is needed. So I wanted to know whether that transition
24 required by this plan can realistically be permitted and
25 built and what the impacts will be on communities, land, and

1 tribal resources.

2 But ultimately, this brings me to the question I
3 care about the most. Who is accountable for the
4 consequences of these decisions? The Columbia River is not
5 just an electricity resource. It is an ecosystem, a source
6 of food and culture and a part of the homeland's and treaty
7 rights of tribal nations. Tribal nations are not just
8 stakeholders. We are sovereign governments with treaty-
9 protected rights connected to fish and other resources.

10 Those rights are connected to food, culture,
11 community, and the continuation of tribal life. So as the
12 9th Power Plan moves from forecasting into actual decisions
13 and implementations, how are tribal treaty rights and tribal
14 priorities incorporated directly into the planning
15 framework, and how can we ensure that tribal inputs
16 continues to shape criteria, modeling, research decisions,
17 and projects that come out of this plan, not simply
18 conversation around them?

19 MR. PURCE: Thank you.

20 MS. ADAMS: Thank you --

21 MR. PURCE: Thank you very much.

22 Kathleen?

23 MS. CALLAGHY: Hello, Councilmembers. My name is
24 Kathleen Callaghy, K-A-T-H-L-E-E-N, C-A-L-L-A-G-H-Y. I am
25 the campaign manager for the Columbia Snake River campaign,

1 but today I am speaking just on my own behalf as a Seattle
2 resident and ratepayer of Seattle City Light.

3 I think you've probably heard all the technical
4 comments you need at -- by this point to create an even
5 better plan than the one that is on the table, so I'm going
6 to talk a little bit more about value just because,
7 ultimately, I think that this plan is a statement of values.
8 It's a statement of what we prioritize going forward into
9 our future.

10 Speaking of the future, I was born in 1984, and if
11 -- by that point, scientists had been ringing the bells
12 about climate change for about 20 years, and it still hadn't
13 entered the public consciousness. I'm going to be 42 next
14 month, and here we are with global temperatures having risen
15 1.5 percent, 5 percent of our ice cap's gone, and now we're
16 in this room trying to figure out how to generate enough
17 energy to survive the hottest summers on record with air
18 conditioning.

19 I hate these choices. I don't like it at all. I
20 was one of those kids, and now I'm one of those adults. And
21 I'm going to hopefully live long enough to see the
22 consequences of the choices that are made in this room
23 today. So briefly touching on those, it's a good mix right
24 now, the power mix. It can be better, and I think we do it
25 without going backwards by adding natural gas. I don't

1 think we need it.

2 This region -- and then I also think that we need
3 to, as much as possible, add new renewables and reduce
4 pressure on the hydro system. That system harms fish.
5 Harming fish harms people, as you've heard adequately today.
6 And I'm -- having a diverse energy mix is simply smart, and
7 I'm frankly perplexed why Bonneville Power has made it so
8 hard for its customers to seek other renewables in their
9 provider-of-choice contracts.

10 If AI data centers are going to use power in the
11 Northwest, not only should they provide it themselves from
12 clean energy, but that processing power had better be going
13 towards curing breast cancer, not to generating deep-fake
14 videos or to sell me more stuff online. So we need to
15 regulate those as much as possible.

16 Vice Chair Purce, you've spoken in the past about
17 the importance of democratic process. Let's democratize
18 energy, get those to, you know, demand response on. Let
19 people coupon save as much as possible by using less energy.
20 Give that power back to them.

21 And lastly, I ask the council to seriously
22 consider assisting Washington State in its modeling to -- on
23 how to replace the energy of the lower -- lower Snake River
24 dams. We should not be afraid of information, and you guys
25 have the credibility and the expertise to make that happen.

1 Thank you.

2 MR. PURCE: Thank you so much.

3 Shannon Presser and Michael Shurgot?

4 Welcome, y'all. All right.

5 Shannon?

6 MS. PRESSLER: My name is Shannon Pressler, S-H-A-
7 N-N-O-N, P-R-E-S-S-L-E-R. I'm the Washington clean energy
8 policy manager with Climate Solutions. I live here in
9 Seattle, and I am a Seattle City Light ratepayer.

10 The draft 9th Power Plan comes at a very important
11 time in our region's energy system. Utilities across Oregon
12 and Washington are working to comply with state clean energy
13 mandates. Data center proposals are flooding the region.
14 In Oregon, data centers already account for almost a quarter
15 of annual statewide electricity demand. And we're entering
16 into an era of substantial load growth for the first time in
17 decades, all while our hydroelectric system is operating at
18 historic lows due to climate change.

19 The draft plan acknowledges this new reality and
20 provides foundational direction for BPA and utilities
21 regionwide for how to approach resource planning. And
22 Climate Solutions believes that the underlying strategy in
23 the plan is for comprehensive and balanced. We're very
24 pleased to see the council recommending a mix of new, mostly
25 renewable generation resources, conservation, and demand

1 response, and storage to meet our region's needs.

2 However, we do see opportunities to go further and
3 strengthen the plan in a way that better positions us to
4 reduce harmful greenhouse gas emissions from our electricity
5 system, promote long-term affordability, and provide more
6 benefits to residents and ratepayers.

7 First, our region needs a more aggressive demand
8 response target. Demand response provides immense value to
9 the grid in reducing peak load across the system and
10 therefore reducing the need for very dirty, very expensive
11 peak generation dispatch. And looking ahead to a future
12 where we expect to need significantly more capacity to meet
13 growing demand, it is critical we pursue as much demand
14 response as possible.

15 Second, we should approach recommendations for new
16 natural gas with extreme caution. Beyond Washington State's
17 mandate to eliminate fossil fuels from our grid, natural gas
18 carries inherent and unique reliability and affordability
19 risks. Fuel prices are incredibly volatile and many major
20 forecasts indicate that fuel prices could double between now
21 and 2035, and those costs ultimately fall to ratepayers.

22 And as noted in the draft plan, existing pipeline
23 capacity is highly constrained, and building new pipelines
24 will be both incredibly expensive and face a lot of public
25 opposition. Natural gas infrastructure is also liable to

1 outages in times of extreme weather as we experienced during
2 the 2024 MLK weekend cold snap in the Pacific Northwest.
3 And so the council should seek more aggressive renewable
4 storage, conservation, and demand response targets to reduce
5 dependency on natural gas a seasonal peaking resource.

6 And third and last, Climate Solutions agrees with
7 the council that planning for data center load growth is
8 very important, but data center interconnections are still
9 highly speculative. And we, in Washington, are acutely
10 aware of the risks of overbuilding new resources to meet
11 load that does not show up, and so we would caution against
12 planning for a high data center load growth scenario.

13 And data centers can and should be flexible, and
14 we urge the council to include and expand demand response
15 targets for data centers. They have a massive impact on
16 expected load growth for the region, they're willing to pay
17 for infrastructure, and they do have the ability to be
18 flexible. Thank you.

19 MR. PURCE: Thank you very much.

20 Michael?

21 MR. SHURGOT: Yes. Thank you.

22 Good afternoon. And thank you for -- sorry
23 (clears throat) -- for this opportunity to speak. I am
24 Michael, M-I-C-H-A-E-L, Shurgot, S-H-U-R-G-O-T -- G-O-T.
25 (Clears throat) sorry. Asthma.

1 I live in Seattle, and I appear today as a
2 representative of Snake River Savers, an environmental group
3 dedicated to the removal of four dams on the lower Snake
4 River. You are all familiar with the numerous technical
5 issues that NPPC (sic) must consider when attempting to
6 balance what may appear to be the irreconcilable needs of
7 power generation and conservation.

8 Your very title emphasizes this dichotomy. While
9 I recognize that energy needs are liable to rise
10 substantially in the next 10 years and that meeting those
11 energy needs is essential to the region's economic future, I
12 urge you to include in your final plan the need to remove
13 the four dams on the lower Snake River.

14 The one dam that generates electricity produces
15 less than three percent of the region's energy needs, and
16 this percentage is not going to rise. Meanwhile, the Snake
17 River is dying. In fact, it is no longer a river. It's a
18 series of overheated, polluted, stagnate lakes where fish
19 die. I have participated in the last two flotillas on the
20 Snake River organized by Native American leaders, and I can
21 testify to the illness of the river, a visual symbol of
22 which is a toxic algae bloom for at least the second
23 consecutive summer.

24 Even though President Trump detonated the Columbia
25 Basin agreement that six sovereign nations and Oregon and

1 Washington crafted during the Biden Administration, thus
2 negating all conservation efforts, we in the Pacific
3 Northwest and our political leaders and governing bodies,
4 such as NPCC, must nonetheless work towards maintaining that
5 balance between energy generation and environmental
6 conservation.

7 And as NPCC moves forward on its stated goal of
8 five million returning fish in the Columbia Basin, I urge
9 you to mandate a large spill over the Columbia River dams
10 annually through August 31 to urge Bonneville Power to meet
11 its conservation obligations and to reinvigorate planning
12 for -- for the rebirth of Snake River as a river.

13 I conclude with the wise words of Aldo Leopold.
14 "A thing is right when it tends to preserve the integrity,
15 stability, and beauty of the biotic community. It is wrong
16 when it tends otherwise." The four dams on the lower Snake
17 River obviously tend otherwise. Thank you.

18 MR. PURCE: Thank you very much.

19 And our last individual signup is Vera Schoepe.

20 Vera, come on up. Welcome.

21 MS. SCHOEPE: Hello. My name is Vera, S-C-H-O-E-
22 P-E. In the past few years, I have had the honor and
23 opportunity to support tribal land ecological restoration
24 and biocultural heritage campaigns led by the Nez Perce,
25 Palouse, Wanapum, Yakama, Lani, and Walla Walla nations.

1 That has led me to conduct research in sustainability, water
2 resilience, and the value placed in ancestral community
3 engagement when developing authentic sustainable energy
4 systems.

5 There are currently 31 dams in the Columbia River
6 systems operations, which the Northwest Power and
7 Conservation Council oversees. Thank you for doing that.
8 The lower Snake River dams produce only about an average of
9 600, 700 megawatts despite their nameplate capacity of 3,000
10 megawatts.

11 Since they are allotted 3,000 megawatts in BPA's
12 transmission queue, they are taking up limited and vital
13 space that far exceeds the actual contribution. This 3,000
14 megawatts could be allotted and better utilized with more
15 localized renewable energy sources like wind, solar, and
16 storage. Given my experience in ecology organizing with
17 indigenous leaders and Central Washington farm workers, I am
18 very concerned about water resilience and hope that energy
19 planning is developed by centering water energy nexus and
20 strategizing to prevent impact on whole ecosystem health,
21 especially farming communities including some populations.

22 I strongly urge you to create legally binding
23 guidelines that ensure that power development and site
24 selection cannot be designated without consent and feedback
25 from tribes in our bioregion. During my review of draft --

1 no. During your review of the draft -- I'm sorry -- please
2 consider legally demanding that this whole ecosystem
3 management strategies are put into place before building of
4 those plans happen.

5 That's key for climate resilience planning,
6 especially in connection with data centers, which are often
7 quoted, but we don't know, between 30 to 40 percent
8 electricity usage and water usage. This is vital for farm
9 workers but also indigenous leaders. I hope you can require
10 those environmental impact reports that center socioeconomic
11 impact and also that take into account the east/west
12 inequity happening regarding water resilience, health, and
13 energy inequity.

14 I would like to thank you for your work and also
15 take a moment to say the last time I was down the lower
16 Snake, the water was really thick with algae and also really
17 hot. The juvenile birches are not working, so we're really
18 talking about keystone species such as salmon but also
19 southern residents that rely on our action to protect water
20 for farm workers but also tribal leaders, salmon southern
21 residents, but also ourselves who live in this bioregion.
22 Thank you so much for this time.

23 MR. PURCE: Thank you so much.

24 Do we have any more on the list? Okay. We're --
25 we're at the end, and we are scheduled to be here through

1 6:00 o'clock. I have -- I think -- I would very much like
2 to offer an opportunity if someone had something else beyond
3 what they have already stated to have a period of time. But
4 say two minutes if they would like to finish something if
5 they haven't completed. If they would raise their hand, and
6 we would handle it that way. We'll be here to wait through
7 the -- until we're here at 6:00 o'clock. But if there's
8 anything that someone thinks is critical that they didn't
9 have an opportunity to say, we want to afford that
10 opportunity. We really appreciate -- we -- yeah.

11 Okay. Well, why don't we take a pause for --
12 we'll take a -- a five-minute pause, and if you feel like
13 you want to say something further, you can sign up with your
14 name and you can come up, okay? We'll take a break.

15 MR. GOLDEN: And we'll hang out in the --

16 MR. PURCE: And we'll hang out. We'll be here.
17 Thank you all so much.

18 (WHEREUPON, a recess was taken.)

19 MR. PURCE: And we want to officially bring this
20 hearing to the close of this power council. And thank you
21 all for coming and testifying and be a part of this very
22 important democratic process. We really, really appreciate
23 everybody. Thank you very much.

24 (WHEREUPON, the PUBLIC HEARING concluded at 6:00
25 p.m.)

CERTIFICATE

I, Zeljko Misic, do hereby certify that I reported all proceedings adduced in the foregoing matter and that the foregoing transcript pages constitutes a full, true and accurate record of said proceedings to the best of my ability.

I further certify that I am neither related to counsel or any party to the proceedings nor have any interest in the outcome of the proceedings.

IN WITNESS WHEREOF, I have hereunto set my hand this 22nd day of October, 2026.



Zeljko Misic, Certificate No. 5256

1 1 28:25 29:1 1,000 11:13 1.5 54:4 63:15 10 68:10 100 32:12 108 32:23 15 29:22 16 6:17 19:14 1970s 19:11 1977 19:16 1978 58:2 1980 6:5 7:22 20:5 1980s 29:17 1983 31:23 1984 57:17 63:10 1990s 29:17 1991 58:24	2026 6:17 20:14 54:12 2027 7:9 32:13 2030 53:22 2032 29:3 32:13 49:5 2035 66:21 2046 29:23 21 41:10 25 29:18 41:7 57:19 3 3 49:5 3,000 70:9,11,13 30 50:23 71:7 31 69:10 70:5 35 27:10 29:18 37 28:12 4 4 20:13 40 40:6 71:7 42 63:13 45 19:11 4:00 19:9 5 5 63:15 590 11:24 599 49:4	6 60 37:2 56:13 600 70:9 6:00 4:19 19:9 72:1,7 7 700 47:7 52:1 70:9 8 8,000 58:7 80 43:14 81,000 48:15 8th 6:8 9 9,000 12:1 23:12 9th 4:8,16 6:12,16 7:7 20:11 22:22 24:10 31:8 32:3 33:3,22 34:4 35:5 38:10 46:18,20 51:15 53:16 55:15 56:18 60:17 61:6 62:12 65:10 A A-D-A-M-S 15:6 60:10 A-M-Y 50:18 A-R-L-E-N-E	17:12 A-T-T- 46:4 A-V-E-R- 48:8 ability 31:8 67:17 absolutely 43:17 50:8 abundant 22:10 26:19 38:9 39:8 51:14 53:4 accelerating 42:16 accepting 6:16 access 37:17 59:19 accompanied 57:23 account 9:15,24 10:1,4,17 12:25 13:2,4,7,8 41:4 65:14 71:11 accountable 23:15 62:3 achievable 39:4 53:25 achieved 40:20 58:7 acknowledges 65:19 acquire 8:8 12:15,18 35:22 acquiring 12:16 23:12 act 6:5,18 8:3,8 20:5,20 27:11 49:15 52:6 58:2, 25
--	---	---	--

acting 54:7	19:13	68:25	Amy 50:14,18,19
action 15:14 17:5 36:25 46:6 53:16 71:19	Admittedly 28:12	agreements 49:14	analysis 10:6 31:9,10 32:8
actions 31:21	adopt 47:17	agrees 67:6	ancestral 70:2
active 5:17	adopted 46:19	agricultural 16:2	ancient 29:18
actual 62:12 70:13	adoption 49:13	ahead 26:4 66:11	annual 65:15
acutely 67:9	adults 27:16 38:21 51:11 52:4 63:20	AI 18:14,22 30:24 64:10	annually 47:7 51:25 69:10
Adams 14:24 15:5,6 60:2,4,6,7, 10 62:20	advance 39:9 53:4	air 15:17 26:18 63:17	appendices 6:14
add 10:25 18:3 26:3 64:3	advisory 10:12	alarmed 52:16	apply 55:2
added 10:9 29:2,5	advocate 31:20 32:11 54:21	Aldo 69:13	appoints 8:1
adding 63:25	advocated 58:10	algae 27:14 68:22 71:16	appreciates 26:9
addition 29:5 31:20 45:10	advocates 33:6	algorithms 21:5	approach 65:21 66:15
additional 16:10 31:4 32:25 35:16 47:3 48:4 51:22 54:19	affairs 5:11	all-encompassing 28:9	approve 7:6
Additionally 29:12	affects 26:21	alleviate 55:7	archeological 27:2
address 11:9 15:18 37:22 42:15 45:21	afford 16:24 34:16 72:9	allotted 70:11,14	areas 13:6 23:9
addressing 37:24 42:19	affordability 66:5, 18	allowing 17:6 19:1 21:5	arena 31:6
adequate 8:23 16:2 54:15	affordable 22:18 33:23 35:11 36:6 38:2,8 39:6 46:11 48:2 51:13 53:2 55:14	alongside 61:17	argue 29:4
adequately 64:5	afraid 64:24	alternative 20:2	arguments 16:23
adjust 49:17	afternoon 22:7 31:17 36:22 67:22	alum 48:12	Arlene 14:24 17:11,12 19:4
administration 17:15 19:19 69:1	age 56:2	Amazing 29:8	arranged 19:17
Administrator	aggressive 49:13 66:7 67:3	Amazon 21:4	arrival 24:4
	aging 29:15	ambitious 29:25 49:2 53:24 55:16	aspect 29:24
	agreement 43:10	American 68:20	aspiration 50:4
		Amory 20:2	aspirin 21:6
		amount 12:1 28:13 49:6,10 60:24	assembling 28:9
		amounts 15:21	assess 12:20 32:23
			assets 16:18
			assist 24:15

assisting 64:22	13:22 14:6,13	beauty 69:15	71:21
assume 41:17	19:11 25:11	beef 23:9 47:20	biotic 69:15
assured 25:25	27:22 38:21 41:6	began 40:7	birches 71:17
asthma 17:24	52:4 59:14 64:20	begging 59:16	bit 11:22 28:13,15
67:25	backlash 18:5	begin 53:13	54:8 61:17 63:6
Attemann 46:1,2,	backup 43:12	beginnings 31:23	blank 58:4
4	50:7	behalf 36:24	block 56:6
attempting 68:5	backwards 63:25	40:25 48:15 63:1	bloom 68:22
attendance 6:25	backyard 21:7	beleaguered	blueprint 9:1
attention 21:16	bad 25:14 43:24	49:12	boards 19:15
attorney 19:8	balance 27:11,13	believes 65:22	bodies 69:3
audience 4:24	43:15 52:7 68:6	bells 63:11	Bogaard 19:5
August 44:13	69:5	Ben 46:1 48:8,9	22:7,8
69:10	balanced 37:12	50:12	bogus 20:7
authentic 70:3	65:23	benefit 9:13	bold 8:21 29:24
authority 19:18	balancing 8:19	22:12 32:25	58:18
49:24	29:11 41:25	39:10 48:25	Bonneville 8:7
autonomous 21:9	bang 27:21	benefiting 30:22	12:8,11,14 17:15
average 11:13	bare 20:15	benefits 27:12	19:19 23:15 49:3
21:10 70:8	barriers 27:16	31:13 52:7 66:6	64:7 69:10
Avery 46:1 48:6,	47:12	berry 27:2	born 63:10
8,9,14	Basin 8:6 20:15	Biden 69:1	borrow 12:11
avid 54:21	22:12 24:12 27:7,	big 11:2 16:23	bottle 21:5
avoid 36:2 43:19	21,23 34:5 35:14	17:7 25:17,25	box 59:20
47:15 53:24	38:14 39:24	27:21 56:10	BPA 16:20 17:17
aware 67:10	40:11 47:5 51:21	bill 20:19 43:9	18:9 19:13 21:22
awesome 48:18	52:9,11 68:25	billionaires 30:23	27:11 35:21
	69:8	bills 15:16 17:3	40:16 47:20
	Basin's 21:23	34:16 51:2	49:18 52:7 65:20
	batteries 18:8	binding 70:22	BPA's 70:11
	29:7,19 33:1	biocultural 69:24	breach 59:5
	battery 11:3 12:2	biologist 53:22	breaching 22:1
	16:10 17:17 29:8,	biology 35:1	break 44:1 72:14
	10 30:16 42:23	bioregion 70:25	breast 64:13
	43:2		
	battlefield 21:9		
B			
B-E-N 48:8			
B-R-I-A-N 40:23			
babies 18:24			
back 4:18 6:24			

Brian 39:15 40:22	busy 20:2	50:8 51:22 55:9	centering 70:19
briefly 37:6 63:23	buy 17:13	57:1 66:12,23	centers 9:18,22
bring 14:13 18:5	buys 51:2	70:9	15:8 16:21,24
38:10 59:13	Buzdygon 5:8	capital 18:15	18:12,15,17,21
72:19		carbon 17:25	21:1,4 30:18,21,
brings 62:2	C	28:24 41:8,16	22 31:4,5 32:5,22
broad 8:4	C-A-L-L-A-G-H-Y	carbon-emitting	36:2 37:25 41:22
broker 19:20	62:24	29:25	42:25 43:1,8,21
brought 14:2	C-A-R-P-E-N-T-I-	care 26:17,20	44:4 45:1 47:16,
52:11	E-R-E 44:9	31:19 35:10 36:7	19 49:15 52:17,
brownout 43:20	C-H-R-I-S-T-A	38:8 46:11 51:12	22 55:4,6 59:15
buck 27:21	44:9	60:11,12 62:3	60:15,18,23
build 10:23 11:1	C-O-N-N-I-E	cared 56:1	64:10 65:14
15:10 17:18	31:16	career 53:21 58:6	67:13,15 71:6
21:12,13,14	calculations 41:7	carefully 7:5	Central 56:3,7
49:11,25 52:17	call 7:10 14:19	Carpentiere 42:6	70:17
55:9,14 57:5	25:3 38:22	44:8,10 45:24	century 20:16
60:21 61:4	Callaghy 60:2	carries 66:18	21:21
building 57:2	62:23,24	carry 57:6 59:6	Chair 64:16
58:15 61:12	called 14:18 20:3	case 18:22 45:7	challenge 15:19
66:23 71:3	58:9	casement 56:12	32:3
buildout 45:8	calling 14:24	catastrophes	challenges 16:21
47:23	25:11	43:25	37:21
buildouts 17:1	campaign 62:25	catastrophic	chance 45:21
builds 24:20	campaigns 69:24	20:18	55:12
built 13:1,5 18:11	cancer 64:13	catch 52:20	change 10:5
29:17 56:3 57:10	cap's 63:15	catching 51:7	23:20 24:3 28:23
61:15,20,25	capabilities 9:13	caught 4:11	33:19,20 42:11,
burden 17:2,8	capability 9:4	caution 66:16	13,16,17 43:24
burial 27:3	capacity 10:23	67:11	46:15 63:12
burn 57:4	11:4 12:21 28:12	center 11:10	65:18
burning 42:20,21	29:2,4,7,16	15:19 16:4,15	Changing 39:7
business 16:3,7	32:19,25 35:16,	17:2 43:4,14,18	53:2
51:6	23 37:15 38:15	50:3 59:14 65:13	charger 17:23
bust 18:23	41:4 45:20 47:3	67:7,8,12 71:10	chart 46:21
			cheap 17:16
			cheaper 18:8
			check 58:4

cherish 25:24	16,17 43:23,25	22:11 24:12 27:7,	43:6 62:11 69:15
chief 19:20	46:15 49:1 53:16,	21,23 34:5 35:14	70:2
child 42:12	23 54:22 63:12	38:14 39:24	companies 18:7
children 41:1,9	65:8,18,22 67:6	40:10 41:24 47:5	compatible 55:13
choices 44:16	71:5	51:21 52:9,11	compete 30:24
63:19,22	close 30:4 59:13	62:4,25 68:24	competing 52:22
Christ 31:18	72:20	69:8,9 70:5	complain 43:21
Christa 44:8,9	closer 28:15 33:4	combined 11:3	completed 8:12
Christina 42:6	38:11	32:16	72:5
44:7	Club 28:7 42:10	comfortably	completely 17:22
church 26:15	48:11 53:12	53:23	complex 49:22
31:18	55:24	commend 37:10	comply 65:12
citizens 25:22	coal 15:11 17:4	46:15	comprehensive
City 57:17 63:2	19:14 20:6,10	comment 6:13	10:1 65:23
65:9	57:19	7:19 36:15	concern 23:14
claims 30:19	coalition 22:9	commenting 6:23	concerned 15:14
clean 15:12 16:17	37:3,4	comments 6:16	41:21 44:12
17:6 26:18 27:19	code 14:9,13	7:2,3,4,5 10:13,	70:18
31:20 33:4,6	coexist 35:12	17 12:5 13:14	concerns 19:24
34:1,4 35:15	cold 10:4 27:19	14:1,8 25:4 35:4	20:23 21:24
36:25 38:12,15,	45:18 57:20 67:2	36:17 37:4 46:7	33:16 34:20
18,22 39:25	cold-water 23:23	48:4 56:23 63:4	37:24 41:3
40:18 42:22 44:5,	collaboration	commercial	conclude 69:13
19 45:4 46:5,12	40:19 47:18	50:22,23	conclusion 33:3
47:2 51:13,17,21	collapsed 20:8	commitment	conditioning
55:14 59:8 64:12	collateral 44:3	37:11 48:22	63:18
65:7,12	colleague 4:9 5:4	49:19	conditions 10:2
cleaner 33:23	20:1 26:2	committed 31:19	24:4 57:9
cleanly 57:7	collect 14:6	committee 10:12	conduct 70:1
clear 43:17 54:6	collecting 14:5	19:18 26:14	Conference
60:19	Collective 34:25	communist 58:9	19:17
clears 12:19	college 53:21	communities	Congress 20:4,18
67:23,25	58:2	17:8 24:24 30:25	congressional
climate 10:5 18:4	colluded 19:13	31:13 36:8 39:13	19:18
23:20 24:3 28:23	Columbia 8:6	40:15,19 60:11	
30:12 36:25	18:25 20:15	61:16,25 70:21	
41:18 42:9,11,13,		community 24:13	
		26:20 28:11,22	

connected 62:9, 10	Constitution 26:24	conversations 33:21	64:21 65:24 67:3, 7,14 70:7 72:20
connection 12:10 71:6	constrained 66:23	cool 15:21 56:16	council's 6:8,15 7:4 8:9 12:8 20:14 23:8 24:8, 19 31:8,22,25 57:10
connections 47:13	construct 21:4	copy 14:2	councilmember 13:19
connectors 57:2	construction 15:15	core 10:20,21 12:3 24:11	councilmembers 8:1 10:15 22:22 34:19 36:18 62:23
Connie 30:3,5 31:16	consumer 15:20	corporate 16:16 41:21,24 42:2	count 25:24
consciousness 63:13	consumers 31:2	corporations 17:7	country 15:9 18:16
consecutive 30:11 68:23	content 54:15	cost 9:11 12:20 18:9,14 32:15 43:23,25 44:5	County 17:14 26:14 30:9 50:21
consent 70:24	continuation 20:12 62:11	cost-effective 10:7 37:17 41:15 58:17,18	couple 12:22 13:11 14:20 56:23 58:3
consequences 54:22 62:4 63:22	continue 44:17, 22 61:19	cost-effectiveness 32:10 41:3	coupled 12:2 29:12
consequential 46:20	continued 38:2 54:22	costs 16:8,13,25 17:24 18:7,21 23:21 41:5 66:21	coupon 64:19
conservation 6:6 10:22,24 11:14, 15,18,23 12:15, 18 16:1 19:23 20:3,9,20,21,22 23:7 28:8 32:9 35:17 36:25 37:12 38:16 40:18 45:10 46:6 47:3,17,19,22 49:25 50:5 51:23 53:15 54:24 55:2 56:1,14 58:8 59:22 65:25 67:4 68:7 69:2,6,11 70:7	continues 53:17 62:16	Coughs 60:3	court 6:25 14:3, 19 15:1
considered 7:5 59:20	continuing 40:14 56:19	council 4:9 6:6,9, 11,15,18,19 7:6, 7,17,18,23 8:2,3 20:21,22 21:21 22:19,21 23:4,5, 11,14,19 24:10, 15 25:12 26:15 27:24 28:9,25 29:24 30:9,17 31:6 32:2,12,18, 22 35:18 36:10, 23 37:21 38:1,13, 24 39:11 40:1 46:16 47:8 48:17 52:13 53:13 54:23 58:16	courteous 13:18, 20
consistent 8:9 12:12 23:10	contractor 56:9	covered 7:20	cover 16:4
	contractors 21:8	crafted 69:1	create 35:25 47:14 63:4 70:22
	contracts 64:9	created 25:13,18 29:14	creating 18:7 38:18 55:8 60:23
	contributes 42:19		
	contributing 15:17 17:24		
	contribution 46:15 70:13		
	control 51:5		
	convene 49:19		
	convenient 19:9		
	Convening 49:24		
	conversation 59:14 62:18		

credibility 64:25	22:2 24:17 26:25	decisions 10:18	13 67:4,14
cries 20:5	28:1 34:4,9	13:10 25:15 26:1	demand-side 9:2
criteria 62:16	38:18,20,25 40:4	34:11 35:8 36:10,	10:22 12:16
critical 8:17,18	47:8,10 52:1,3	13 42:10 62:4,12,	demanding 43:12
24:17 31:9 66:13	55:11 64:24 68:3,	16	71:2
72:8	13 69:9,16 70:5,8	declining 19:25	demands 30:18
critically 27:8	data 9:17,21	decrease 18:20	51:18
49:11	11:10 15:8,19	31:12 38:25 39:3	democratic 64:17
crowd 4:15	16:4,15,21,23	decreases 31:12	72:22
crystal 43:17	17:2 18:12,15,17,	dedicated 68:3	democratize
culture 62:6,10	21 20:25 21:4	dedication 37:9	64:17
curing 64:13	30:18,21,22 31:4,	deep-fake 64:13	demonstrates
current 6:8 8:16	5 32:5,22 36:2	deeper 31:10	31:8 49:5
12:12 17:21 18:1	37:25 41:22	deeply 36:7 54:22	denouncing 58:3
23:12 41:18 49:4	42:25 43:3,8,14,	60:11	dependable
curtail 42:17	18,21 44:4 45:1	degree 39:19	29:13
curtailment 49:14	47:16,19 49:15	54:7	dependency 67:5
customer 30:8	50:3 52:17,22	degrees 54:5	dependent 44:25
customers 12:16	55:3,5 59:14,15	delay 50:6	deserve 49:23
16:7 17:15 18:22	60:15,18,23	delight 4:14	design 56:5
43:9,11,20 64:8	64:10 65:13,14	delisted 27:10	designated 70:24
cut 43:18	67:7,8,12,13,15	deliver 21:5 23:17	detailed 28:9
cycle 32:16	71:6	delivery 47:22	30:10
D	date 30:14 48:19	demand 11:24	determine 44:17
D-A-V-I-D 19:7	50:11	12:17 16:5,11,12	determines 12:12
D-O-N 30:7	David 19:5,6	20:13 23:7 31:3,	detonated 68:24
D.C. 24:6	25:10	23 32:4,21 35:17	develop 6:6 8:4
dam 35:20 38:19	day 42:11 56:4	37:12,20 38:12,	16:14 21:7 22:22
40:11 52:15	days 9:7 25:22	16 39:1 41:23	38:11 47:19
68:14	death 44:4	42:15,19,20,24,	developed 24:14
damage 44:3	debate 49:23	25 43:4,16,18	70:19
54:10	decade 54:3	44:21 45:10,17,	developers 16:4,
dams 15:23 18:25	decades 17:8	20 47:3,21 49:2,	15
	41:15 53:14	4,8,17 50:1 51:23	developing 70:3
	55:25 65:17	54:14,24 60:19	
	decision 7:6,8	61:11 64:18	
	decision-making	65:15,25 66:7,8,	
	25:13		

development 15:19 17:2 24:13 30:15 31:11 51:17 70:23 devoted 21:16 dichotomy 68:8 die 42:14 43:24 68:19 died 42:12 difference 49:9 direct 12:10 17:17 19:11 direction 65:20 directly 4:23 36:11 62:14 director 5:10 22:8 46:6 48:10 directs 6:6 dirty 66:10 disadvantage 18:17 discerning 30:18 discussion 22:23 disease 27:15 dishonest 38:22 dispatch 66:11 displace 32:18 dissuaded 40:13 distance 42:3 distant 53:23 distinct 40:5 distributed 50:1 diverse 37:12 48:20 64:6	diversification 31:11 divide 11:18 division 5:10,12 6:1 20:3 Dixy 19:14 doable 36:4 47:25 docks 27:7,9 domes 10:3 44:13 dominance 30:24,25 Don 19:13 30:3,7 double 17:7 56:12,20 66:20 doubling 32:16 downstream 42:3 52:3 dozens 20:6 draft 6:11,14 9:16 10:7 12:14 20:11 23:6 30:10 31:8 32:16 35:5 37:10 48:19 49:4 53:16 55:3 65:10,19 66:22 70:25 71:1 draw 43:15 45:7 drawing 19:15 dreadful 21:17 drilling 17:19 drive 16:9 47:20 driven 9:17 61:11 drivers 21:2 drone 21:5 dropped 41:11	drought 15:22 24:3 droughts 18:1 due 15:23 37:20 65:18 duration 29:9 dying 15:25 68:17 dynamic 25:14 E E-M-A-N-N 46:5 E-O-R-G-E 34:24 earlier 11:8 14:9 46:19 47:24 early 7:9 53:21,22 Earth 19:22 20:1 easily 29:10 east/west 71:11 eat 18:23 52:22 eating 43:7 eaves 56:5 echo 46:7 ecological 69:23 ecology 70:16 economic 68:11 economical 8:23 ecosystem 27:19 40:15 54:9 62:5 70:20 71:2 ecosystems 22:13 54:1 Edmonds 15:6 17:13	educator 39:18 40:13 effective 32:24 effectiveness 12:20 effects 42:21 efficiency 16:11 48:23 56:2,15 58:7,25 efficient 8:23 21:6 effort 57:3 58:20 efforts 38:2 40:5 52:2 59:2 69:2 EI 24:4 electric 6:7 15:8 20:19 57:24 electrical 56:24 electricity 13:9 15:16,23 16:11 17:14 29:22 31:23 32:4 39:10 42:21 46:10 53:5 56:21 57:5,6 59:23 60:19 61:1, 22 62:5 65:15 66:4 68:14 71:8 electrification 9:18 42:20,23 electrified 17:22 electrify 42:18 elements 24:11 eliminate 66:17 Elizabeth 5:4 eluded 11:8 embrace 24:11
--	--	---	--

emergencies 50:7	38:3,8,12,15,19 39:6,25 40:3,4, 11,18 42:22 43:2, 15,22 44:22 45:3, 4 46:9,12,13,14, 20 47:2,10,17,21, 23 48:2,23 49:7,8 51:13,17,21 52:15 53:2,15,18, 19 54:11,16,18, 20,24 55:10,13, 15 56:1,14,15,18 60:20,21 61:2 63:17 64:6,12,18, 19,23 65:7,11,12 68:9,11,15 69:5 70:3,15,18,19 71:13	entire 60:21	existing 9:12 10:25 29:5 66:22
emerging 29:19		entities 12:9	expand 19:18 35:15 45:19 47:2 67:14
emissions 66:4		environment 31:1,14	expanded 11:16 39:25 51:22
emit 41:16		environmental 9:14 19:23 26:21 35:2 36:12 39:20 68:2 69:5 71:10	expanding 35:23 37:15 48:21
emphasis 30:14 37:15 48:21		environmentally 18:18	expansion 32:20 39:2
emphasize 16:22 21:23 25:16		environments 36:9	expansions 23:17
emphasizes 68:8		equally 55:2	expect 31:2 66:12
emphatically 16:22		equation 23:5,25	expected 32:3 67:16
enable 21:7 32:18		era 65:16	expects 7:7
encourage 6:22 26:7 30:4 31:9 38:13,17 44:18 45:12 47:18 56:20	engage 31:3	ESA 58:23	expense 30:25
encouraged 55:6	engaged 6:10	escalated 32:15	expenses 43:10
end 7:8 13:22,24 20:4 26:6 71:25	engagement 70:3	essential 24:20 37:17 68:11	expensive 17:4 20:10 43:22 66:10,24
endangered 27:8, 13	engaging 37:2	establish 37:21 58:6,13 59:22	experience 28:21 42:13 70:16
energized 30:21	enhance 33:1	EV 17:23	experienced 67:1
energy 7:22 8:19 9:5 10:23 11:4,6 12:18 15:7,10,13, 15,16 16:5,10 17:3,6,16 18:18 19:20 20:3,9,14 22:15,18 23:2,5, 13,18 24:9,13,16, 18,21 26:17 28:1, 10 30:15,18 31:3, 11,20 33:4,6,24 34:2,3,4,9 35:11, 15,20,21 36:3,6, 11 37:1,3,8,17,19	enhancements 48:24	evening 4:7,19 5:16 7:14 48:6,7 53:9 57:15 60:6	expert 54:16,20
	enhancing 37:16	events 41:19	expertise 54:17 64:25
	enriching 30:23	exceeding 54:4	explicitly 24:11
	ensure 8:23 16:2, 19 24:20 48:2 53:2 54:24 62:15 70:23	exceeds 70:13	exposed 19:21
	ensures 31:12	excess 15:18	express 26:8
	ensuring 36:5 39:6	excessive 20:10	extend 7:15
	entered 63:13	excuse 12:19 31:7 46:25 49:14 60:2,3	externalize 43:23
	entering 65:15	executive 22:8	extinct 27:6
	enthusiast 44:11		

extinction 23:23 27:9	federal 45:14	33:2 36:8 38:9 40:11 41:25	foolish 58:3
extinctions 27:13	feedback 16:20 36:19 70:24	46:18 51:14 52:5, 7,23 57:11,13	forecast 9:6,21 60:24
extreme 66:16 67:1	feel 14:9 72:12	59:1 60:12 62:9 64:4,5 68:18 69:8	forecasting 21:2 62:12
extremely 17:25	felt 34:12 36:13 53:22,24	fishable 22:10	forecasts 20:13 66:20
	Fertal 50:14 53:9, 10	fisherman 50:23 52:16	foremost 49:2
F	fewer 10:25 54:9	fishermen 50:22 52:23	forests 49:1
F-E-R-T-A-L 53:10	fickle 41:22	fishing 24:23 27:1	forgotten 52:21
face 66:24	fields 52:18	fitting 49:21	form 41:22
faced 56:11	fierce 24:4	five-minute 72:12	Fortunately 20:1 23:1
facilities 15:22 16:1 29:18	Fifteen 21:19	five-year 6:10	forum 36:1 37:22, 23 47:14 49:20, 24
fact 18:14 34:1 68:17	figure 63:16	fix 34:15 59:4	forward 23:16 63:8 69:7
factors 49:22	filter 42:10	fixes 59:11	fossil 17:1,7 18:6 42:18,20,21 43:13,23 44:2,4 54:19 57:3 66:17
failed 21:22	final 7:6,8 10:18 35:12 46:24,25 47:12 51:19 68:12	flexibility 33:2 36:1 37:23 47:15 49:23 50:2,3,9 55:4,9 57:13	found 6:21 7:4
failure 31:24	finalized 22:25 48:25	flexible 45:20 67:13,18	foundation 37:10
fair 16:5	finalizing 38:13	flooded 27:3	foundational 65:20
faith 26:20	finally 17:1 23:19 24:19 35:25 40:17 57:10	flooding 65:13	Fourthly 16:14
fake 21:10	financial 23:21	Floor 39:16	fraction 54:7
fall 66:21	find 45:1 54:18	flotillas 68:19	framework 58:13 62:15
Falls 4:12	finish 72:4	flow 42:1 57:12	frankly 58:18 59:3 64:7
familiar 68:4	finite 49:7	flowed 31:3	free 14:10 18:11, 15
fantasy 18:22	fish 7:23 8:6,11, 13,16,17,19 9:13 20:15,20,22 21:15,17,23,25 22:17 24:2,7,10, 24 25:18 27:6,9, 12,18,21 32:1	focused 37:12	free-flowing 55:11
farm 57:23 70:17 71:8,20		focus 20:13 23:5, 15 33:24 39:20 44:21 51:16 57:8	
farmers 52:18,23		food 43:7 52:19 62:6,10	
farming 70:21			
fast 9:9			
fast-paced 52:17			
fate 20:16			

friends 19:22 20:1 28:11 fuel 16:13 17:1 18:5,6 42:20 43:23 54:19 66:19,20 fuels 17:8 42:18, 22 43:13 44:2,4 57:4 66:17 full 6:21 44:5 55:16 funding 40:5 future 9:6,10,12 10:1,2,9 28:2,10 30:1 33:4,21 35:21 36:1,8,11, 18 38:3,12 46:21 47:11,15 51:16, 18 52:16 55:15 60:18,22 61:2,11 63:9,10 66:11 68:11 G G- 34:23 G-O-T 67:24 gas 11:5,6 12:3, 21 15:11 17:18, 21,23 18:4,7,9 23:20 28:24 29:1, 2,4,6,11,15,16, 17,21 30:1 32:13, 15,18,24 35:15 41:2,4,14,17 44:25 45:5,19 47:22 57:1 61:9 63:25 66:4,16,17, 25 67:5 gas-fired 17:4	56:24 gas-powered 30:21 gathering 27:2 gee 43:24 Gen 34:25 generate 21:9 60:25 63:16 generated 17:16 generates 68:14 generating 9:1 44:5 64:13 generation 15:11 34:14 36:14 37:13 44:2 51:9 52:4 55:1 56:25 61:7,13,21 65:25 66:11 68:7 69:5 generations 30:1 geopolitical 41:19 George 33:8 34:23 give 6:2 7:11,17, 22 64:20 giving 39:11 55:12 glazing 56:12 global 63:14 goal 8:22 23:12 69:7 goals 11:5 23:8, 10 27:24 34:6 35:13 39:23 46:22 47:1,18 50:10 51:20	52:10 55:2 gobbling 18:15 Golden 4:10 25:7 28:14,17,19 72:15 good 4:15 7:14 22:7,23 23:2 28:19 31:17 36:22 48:6,7 53:9 57:15 60:6 63:23 67:22 governed 7:23 governing 69:3 governments 62:8 graduated 39:18 grandfather 57:25 Grandfather's 57:23 grappling 54:13 great 7:13 25:9 43:25 45:12,15 greater 7:22 30:14 Green 31:18 greenhouse 66:4 grid 10:9 16:6 33:24 35:24 43:3, 16 44:23 45:7 49:16,23 50:7 66:9,17 grid-connected 16:10 grids 15:8 grief 42:13	groceries 51:2 Grondin 50:14, 16,18,19 gross 21:3 grounds 27:1,2,3 group 19:23 68:2 groups 22:10 growing 9:9 15:18 37:20 52:19 53:19 66:13 growth 9:17,20 21:12 37:22 42:15,19,20,24, 25 60:16,17,22 65:16 67:7,12,16 growths 20:13 guarantee 41:20 guess 59:7 guest 43:7 guidance 12:8 guidelines 70:23 gulf 50:19 guts 20:19 guys 64:24 H habit 30:13 habitat 27:1 51:8 59:3 61:15 habitats 27:20 39:12 half 20:16 21:21 29:23 50:23
--	--	---	--

hand 13:16 30:19, 20 72:5	hearing 4:7,12, 16,18,19 7:12 19:10 33:15 72:20	home 5:2 17:22 45:13 56:3	hydropower 9:13 18:2 27:11 31:12 52:7
handle 72:6		homeland's 62:6	
Hanford 59:5	hearings 6:19,21 13:23 34:21	homes 16:2 17:19,20	I
hang 72:15,16	heat 10:3 17:22 44:13 45:11	honest 60:16	I-A-N 36:24
happen 52:24 64:25 71:4	heatwaves 42:14	honor 26:22 46:22 59:9 69:22	ice 33:13 63:15
happened 58:24	heavily 36:13	hook 16:7	Idaho 4:12 6:20 7:25 11:21
happening 50:7 71:12	helped 53:14	hope 23:4 26:5 38:10 40:17 41:23 54:12 55:19 60:3 70:18 71:9	idea 6:2 41:7
happy 40:23	helpful 14:3	hoping 4:17	identifies 60:17
hard 9:21 22:21 37:9 46:16 51:3 57:3 64:8	helps 14:4 28:13 29:10	hosting 33:15	identity 33:19,20, 25 34:2,18
harder 24:6 53:20	heritage 69:24	hot 11:11 44:14 45:18 57:19,20 71:17	Illinois 56:3,7
harmful 17:4 66:4	herring 39:20	hottest 63:17	illness 68:21
harming 23:21 64:5	high 9:3 16:13 17:24 67:12	hour 49:8	imagery 21:10
harms 64:4,5	high- 37:6	hours 29:9 49:9	immense 66:8
hate 63:19	high-tech 21:1	house 15:7 21:6 56:3,8	immensely 54:8
he'll 14:6	high-voltage 32:19	huge 15:21 18:6 44:10	impact 36:11 67:15 70:20 71:10,11
heading 27:8	higher 11:19 18:7	hundred 61:7,8	impacted 32:1
heads 5:12	highlight 24:1 37:14	husband 50:21, 24	impacts 18:4 34:11 38:19 61:15,25
health 36:12 38:20 39:1 50:25 70:20 71:12	highly 66:23 67:9	hydro 24:3 32:1 33:1 39:7 49:11, 22 53:3 59:4 61:18 64:4	implement 36:17 47:21
healthcare 17:24	historic 31:24 32:2 65:18	hunting 27:1	implementation 35:14 47:4 51:20
healthy 22:17 24:21 35:8 39:8,9 53:4	history 25:11 34:11 41:10 49:21	hydroelectric 15:23 65:17	implementations 62:13
hear 4:23 10:17 14:12 28:18 30:5, 19 44:12	Hodel 19:13		implementing 38:14 39:24
heard 10:2 11:11 63:3 64:5	hold 6:18 19:10		importance 40:14 64:17
	holds 36:10		

important 4:15 10:14 24:9,23 25:12 37:7 51:6, 15 53:18 61:5 65:10 67:8 72:22 impressed 44:20 improve 58:5 59:2 improvements 23:6 44:23,24 45:11 in-person 34:21 incentives 45:14, 15 59:16 include 39:1 49:19 51:16 67:14 68:12 included 19:16 58:21 includes 6:20 10:7 24:2 including 6:13 23:6 58:14 70:21 incorporate 28:1 35:19 47:10 52:14 incorporated 62:14 increase 15:15 18:9 32:4 49:23 increased 16:5 27:14 increases 31:11 increasing 17:3, 25 23:7,22 32:17 increasingly 37:19	incredibly 66:19, 24 independent 46:14 indigenous 70:17 71:9 individual 55:24 69:19 induction 17:23 industrial 61:11 industries 19:12 21:1 industry 30:25 46:14 60:21 inequity 71:12,13 inevitability 54:1 information 6:13 64:24 informed 35:7 infrastructure 15:15 16:6 32:15 37:16 39:25 48:22 54:19 61:17 66:25 67:17 infrastructures 61:4 ingredient 24:20 inherent 66:18 inherit 34:14,15, 16,17 initial 19:7 Initiative 24:12 27:23 34:6 35:14 38:14 39:24 47:5 51:21 52:9,11	innovations 58:21 innovative 53:17 inputs 62:15 inside 44:13 59:20 insisted 33:18 56:4 installations 47:20 installed 46:13 installing 28:11 Instructions 7:3 insufficient 43:5 insulation 56:8, 10 58:11 insurance 51:3 integrate 35:24 integration 11:10 integrity 69:14 intelligence 21:10 interconnection 58:15 interconnections 67:8 interest 58:17 interested 6:23 41:9 interior 40:6 internalized 56:14 interstate 8:3 introduced 6:25	introduction 4:22 20:12,25 invention 56:11 invest 18:9 investing 15:12 investment 16:9 53:18 investments 15:10 16:6 23:16 24:14 investor 12:9 18:13 involved 58:1 irreconcilable 68:6 irreversible 53:24 irrigation 57:25 issuance 24:6 issue 23:13 issues 37:2 58:23 68:5 J J-U-L- 36:23 J-U-L-I-A 55:23 Jefferson 50:21 Joe 14:6 John 5:11,13 Joseph 19:5 22:6, 8 25:1 Julia 55:19,22 57:14 Julian 36:21,23
---	--	--	---

juncture 31:9	Kym 5:8,9	20	limited 11:20 15:24 70:12
June 8:12	L	leadership 24:8, 19 31:5,6 38:2 53:14	lines 18:2 39:3 43:3 57:6,9,18
Juno 39:15,17	L-L-I-A-M-S 17:13	leaks 17:18,20	lion's 59:7
justice 26:14,20, 21 31:19	L-U-N-D-A-H-L 26:12	learned 28:21,22	list 71:24
juvenile 52:2 71:17	lack 40:5,15	leave 7:1	listening 33:16
juveniles 27:16	Lady 56:9	leaves 40:6	live 15:6 17:13 26:12 31:17 39:18 44:10 46:8 48:9 50:19 51:9, 10 53:10 56:16 61:16 63:21 65:8 68:1 71:21
K	lakes 68:18	led 25:14 48:21 69:24 70:1	lives 54:9
K-A-E-L-I 53:10	land 26:23 61:16, 25 69:23	Lee 19:14	living 51:1
K-A-T-H-L-E-E-N 62:24	landscape 36:11	left 13:22 17:2	load 9:6,17,20 20:13 21:2,12 29:10 35:25 37:21,22 45:20 47:14 49:15,20, 21,24 50:1 55:4 65:16 66:9 67:7, 11,12,16
Kaeli 50:14 53:8,9	Lani 69:25	legal 5:12 8:7 12:10	loading 41:24
Kathleen 62:24	large 11:25 32:5 41:24 42:2 43:12 49:14,24 50:1,5 69:9	legally 70:22 71:2	loads 9:9 10:2,25 41:21,24 42:2 43:6 45:1,18 50:6
Kathleen 60:2 62:22	large-load 16:14	lengthening 29:9	local 30:25 31:13 43:16 45:15
KC 4:9 26:2	large-scale 36:3 47:16	lens 42:11	localized 70:15
keeping 15:11	largest 17:15	Leopold 69:13	located 6:24 33:1
Kevin 5:25 7:10, 15 14:22	lastly 18:23 45:9 64:21	Les 4:8	location 56:7
key 9:16 23:6 71:5	late 25:8	lessen 46:14	locational 11:14
keystone 31:18 71:18	latest 6:10	level 9:3 37:7	locking 54:19
kids 63:20	law 26:23 56:17	levels 40:9	long 25:15 37:23 57:2 63:21
killing 43:13	lawsuits 18:6	liable 66:25 68:9	
kills 42:13	laying 37:9	life 24:6 27:3 29:18 42:12 50:23 51:10 59:22 62:11	
kilotons 41:8,10, 13	lead 35:22 49:3, 18	lifecycle 41:4	
kilowatts 28:12	leader 33:11 34:24 38:6	lifetime 35:9	
kind 8:19 10:19 45:19,20 59:21 60:16	leaders 68:20 69:3 70:17 71:9,	Light 57:17 63:2 65:9	
		lights 20:6	
		limit 42:21	

long-term 61:10 66:5 longer 68:17 loss 39:3 lost 27:4 34:18 54:9 lot 9:20,23 10:12, 20 11:10 12:1,5, 23 25:22 41:16 44:11 58:20 59:10,11 66:24 love 45:12 Lovins 20:2,5 low 11:6 30:12 49:10 low-cost 15:12 lower 11:22 22:1 24:16 26:25 27:20 28:1 34:3,9 35:20 40:3 47:7, 10 51:25 52:15 55:11 64:23 68:3, 13 69:16 70:8 71:15 lowering 49:7 lows 65:18 Luckily 58:5 Lundahl 25:5 26:11 Lutheran 26:15 Lynnwood 26:13 M M-I-C-H-A-E-L 67:24	M-I-L-L-E-R 30:8 made 17:21 19:21 29:8 36:13 40:18 46:7 52:2 54:5 63:22 64:7 main 21:1 maintain 23:11 maintaining 69:4 major 15:10 40:7 60:18 66:19 make 5:14,21 6:1 7:7 10:18 13:10 25:20 26:1,7 30:4 34:20 35:7 36:4, 10 39:4 44:4,16, 24,25 48:1 50:3,7 51:1 52:24,25 53:14 57:4 58:18 64:25 makes 18:3 27:9 49:9 making 7:6 23:3 24:6 management 35:25 37:22 47:14 49:20,24 71:3 manager 7:16 33:17 37:1 62:25 65:8 mandate 32:1 66:17 69:9 mandates 65:13 map 8:9 marine 53:22 marketer 12:11 massive 67:15	matter 36:16 matters 54:8 max 19:3 maximize 36:1 47:15 48:23 maximizing 54:25 meaningful 36:4 39:4 46:21 48:1 53:1 means 34:1 39:23 54:9 56:18 measures 36:3 39:3 47:25 52:25 medical 51:1 meet 9:12 10:9 12:19 16:11,20 38:12 42:23 45:20 47:18 51:18 54:18 56:18 66:1,12 67:10 69:10 meeting 6:3 8:18 11:4 31:22 32:24 53:19 68:10 meetings 10:12 19:20 megawatts 11:13 12:1,3 23:12 29:2,16 32:13 41:1,2 47:7 52:1 58:8 61:6,7,8,21 70:9,10,11,14 member 6:1 7:13 14:5,19 22:10 28:7 31:17 42:9 53:11 members 7:2,24 8:2 31:20 36:22	37:3 48:15 mention 20:15 24:5 mentioned 7:25 8:24 9:17 14:9 32:6 49:20 met 5:16 13:18 methane 17:18, 20,25 methods 39:1 mic 28:14 30:4 Michael 65:3 67:20,24 Microsoft 21:7 mid-august 6:12 middle 19:7 miles 57:2 military 21:8 Miller 30:3,7,8 million 69:8 mindful 9:12 minimize 10:23 16:16 minimum 23:11 minor 41:1 minutes 5:6 6:2 13:21,25 72:4 misguided 57:23, 24 Misic 5:19,24 misleading 21:3 mix 63:23,24 64:6 65:24 MLK 67:2
---	--	---	--

model 24:16 47:19 50:4 58:8 modeling 11:15 23:8 27:25 35:19 47:9 49:5 52:14 62:16 64:22 models 23:10 moderate 39:9 modern 53:5 modernization 45:11 modernize 47:21 modification 32:11 modifications 33:5 moment 4:21 5:7 10:10 32:2 71:15 money 16:15 18:13 43:8 59:11 monitoring 40:6 Montana 6:20 7:25 11:22 57:18 month 54:4 63:14 mortgage 51:1 mother 56:4 mothers 18:24 Mount 33:17 move 26:4 57:3 61:22 moves 62:12 69:7 moving 8:17 23:15 much-needed 23:16	multiple 58:10 mw council.org. 6:15 myriad 23:21 N N-N-O-N 65:7 Nagasaki 41:11 name's 50:18 57:15 nameplate 70:9 nation's 24:22 national 33:14 53:15 58:20 nations 54:4 60:13 62:7 68:25 69:25 Native 68:20 natural 11:5 12:3, 20 16:2 23:20 28:23 29:1,2,4,6, 21,25 32:13,24 35:15 41:2,4,14 47:22 57:1 61:9 63:25 66:16,17, 25 67:5 near-term 24:17 needed 9:2 15:21 23:18 43:15,19 53:23 57:7 61:23 negating 69:2 negotiating 20:24 neighbors 28:11 newfangled 56:11	news 21:11 nexus 22:14,20 70:19 Nez 69:24 night 4:12 Nino 24:5 non-hydro 30:15 non-native 27:15 nonetheless 69:4 nonsensical 42:22 North 31:7 Northwest 4:7 6:5,12 7:7 8:24 19:17,22 20:4,11, 17,19,21 21:15, 17 22:12,16 27:11 28:8 29:6, 21 31:1,13 34:13 37:3 52:6,18 53:15 54:14 56:17 57:22 58:2 61:10 64:11 67:2 69:3 70:6 note 19:9 52:6 noted 66:22 NPCC 69:4,7 NPPC 68:5 nuclear 19:14 20:6,8 nuke 20:10 21:7 number 11:20 23:6 37:20 58:4 numerous 68:4 Nw council.org. 14:9	O O-R-T-M-A-N 19:7 obligations 26:22 39:12 46:23 69:11 obscene 16:24 obtain 57:24 ocean 52:3 October 6:17 offer 25:13 72:2 office 5:2 19:22 official 14:1 officially 54:4 72:19 Okanogan 48:10 old-fashioned 57:5 ongoing 23:13 online 6:21 7:3,4 14:8 15:12 64:14 open 10:11 27:19 operate 53:3 operated 39:8 operating 65:17 operations 9:13 55:7 61:18 70:6 opinions 52:12 opportunities 23:4 66:2 opportunity 4:16, 23 5:17 15:5 24:25 26:8 27:18
---	---	--	---

28:3 32:11 35:4 36:15,19 48:3 54:18 67:23 69:23 72:2,9,10 opposition 66:25 option 56:21 orca 18:24 27:6 order 35:23 41:14 46:13 56:6 57:4 Oregon 6:20 7:25 11:19 19:21 50:25 58:14 65:11,14 68:25 organization 22:9 37:1 organized 7:21 68:20 organizing 70:16 Ortman 19:5,6,7 21:20 22:4 25:11 Osborn 5:4 14:13,16 outages 67:1 outdoor 44:11 54:21 outdoors 44:11 outstanding 5:1 overbuilding 67:10 overcame 58:11 overheated 68:18 oversees 70:7 overview 6:2 7:11,17	P P-A-U- 28:5 P-E 69:22 P-E-T-E-R 15:6 P-H-I-L-I-P 26:12 P-R-E-S-S-L-E-R 65:7 pace 37:20 Pacific 19:17 20:17,19 22:12, 15 52:17 67:2 69:2 package 32:8 pages 20:13 Palouse 69:25 panel 46:13 panels 30:19 paper 41:6 papers 58:3 parasites 27:15 parent 42:12 parents 56:2 parks 33:14 part 8:4,13 11:2 14:1 25:12,17,25 26:20 58:19 62:6 72:21 participated 68:19 participation 5:18 8:4 16:20 partners 51:6	partnership 27:25 35:19 47:9 52:14 parts 10:14 11:17 12:5 party 43:7,8 pass 58:8 passage 20:4 passive 40:4 56:4 past 21:21 52:3 64:16 69:22 path 20:9 27:8 Paths 20:3 pattern 24:5 Paul 25:5,6 28:5 pause 72:11,12 pay 16:17 18:14, 17 43:2 44:4 51:3 67:16 paying 16:23 pays 51:1 61:4 peace 26:14 peak 18:19 43:6, 12,18 44:25 45:18 49:8 66:9, 11 peaker 17:18 peakers 32:17 peaking 67:5 peel 45:17 peers 36:7 people 4:18 13:19 22:13 25:3 30:22 42:13 43:13,24 52:21 64:5,19	Perce 69:24 perceive 9:20 percent 29:22 43:15 63:15 68:15 71:7 percentage 29:23 68:16 perfect 24:1 period 32:14 72:3 periods 49:8 permitted 13:4 61:24 permitting 11:10 13:3 perplexed 64:7 perplexing 31:2 person 19:22 35:6 Peter 14:24,25 15:5 Phil 25:5 Philip 26:11 photoshopped 21:10 picked 56:11 pieces 9:14 10:20 pipeline 66:22 pipelines 17:19 56:25 57:1,3,10 66:23 place 51:19 71:3 places 61:14 plan 4:8,11,16,21, 24 6:4,7,8,9,10, 12,14,16 7:7,8,
---	--	--	---

11,18 8:5,9,14 9:16,17,19 10:7, 11,18,20 11:9,15 12:7,8,13,14,23, 25 13:8,12 19:2 20:11 22:22 23:6, 19 24:10 26:21 28:9 29:24 30:10 31:8 32:3 33:3,22 34:5,10,11 35:5, 12 37:10 38:10, 13 40:2,24 41:23 44:20 46:18,20, 24,25 47:6,12 48:19,25 50:5 51:4,15,19,24 52:8 53:17 54:11, 13 55:10,15 56:17,19,23 57:8 58:21 60:17 61:2, 6,24 62:12,17 63:5,7 65:10,19, 23 66:3,22 68:12 plan's 23:7,9,12 32:8 34:7 37:14 planet 31:19 planning 7:16 8:20 12:24 19:16 20:5,20 25:18,19 31:24 34:8 41:22 54:16 58:15 60:20 62:14 65:21 67:7,12 69:11 70:19 71:5 plans 8:25 16:9, 20 31:22 35:21 47:11 71:4 plant 20:8 27:2,22 44:16 49:16 plants 15:12 17:5, 18 18:4,9,20	19:15 20:6,10 21:7 28:2 29:11, 15,16,17 30:21 32:16 33:1 57:19 58:4 pleased 5:1 65:24 pleasure 4:6,20 plenty 29:13 POC 17:21 pocketbooks 49:1 point 22:23 26:9 56:2 57:1 58:20, 22 63:4,11 points 12:23 53:24 policies 22:16 24:5 53:23 57:24 58:12 policy 11:5 35:2,8 53:17 65:8 political 69:3 polluted 68:18 polluter 17:25 pollution 15:18 16:12 17:4 28:24 populations 22:11,17 24:2,22, 24 26:19 38:9 49:12 50:25 51:15 70:21 Port 50:20 portfolio 10:8 37:12 48:20 portfolios 20:14 Portland 5:2,11	19:21 positions 66:3 potent 17:25 potential 48:23 49:5 55:16 pouring 18:13 power 4:7,9 6:1,4, 5,7,8,9,10,16 7:7, 16,18 8:5,14,18, 20,24 9:16 10:18 12:11,12 17:4,15, 16 18:20 19:2,14, 19 20:4,6,8,11, 19,21,22 21:7,8 22:22 24:10 26:21 27:11,22 28:2,8 29:13 30:10 31:2,8,25 32:3 33:3,11,22 34:5,7,10,15 35:1,5 36:10 38:7,10 39:2,3,7 40:2 43:5,11,12, 18 44:2,5,16,19 45:7 46:18,20 47:6,11 48:19 49:16 51:15,24, 25 52:6,8,16 53:16 54:16 55:15 56:19 57:18,22 58:2,4, 25 60:17 62:12 63:24 64:7,10,12, 20 65:10 68:7 69:10 70:6,23 72:20 Power-hungry 55:5 powered 57:22 powers 53:3	PR 25:25 pre-dam 40:8 predators 27:15 predicted 20:5 30:14 preferred 20:9 prepare 35:22 preparing 60:16 presentation 5:6 6:1 preserve 69:14 president 4:9 68:24 Presser 65:3 Pressler 65:6 pressure 23:3,22 49:11 64:4 pretty 28:6 prevent 54:9 70:20 previous 17:20 previously 46:8 price 44:1 prices 66:19,20 pride 40:12 primary 56:17 priorities 33:19, 24 62:14 prioritization 40:15 prioritize 15:20 16:1,9 19:2 32:23 33:23 35:13,15, 16 38:13 39:23
---	---	--	---

47:1 63:8 priority 8:16 24:17 33:18 51:19 private 19:12 privilege 28:10 proactively 37:22 problem 18:3 30:20 problems 34:15 procedure 5:7 process 8:5 10:12,14 15:2 25:13,20 27:6 64:17 72:22 processing 64:12 produce 21:8 51:8 70:8 produced 23:18 29:21 34:3,9 40:3 47:7 51:25 57:7 produces 68:14 product 13:7 25:21 production 18:2 47:23 productions 41:15 productive 59:6 professional 48:19 profits 16:24 program 8:6,12, 13,16 20:8,15 40:11 46:6,18	programs 35:17 38:16 47:4,21 49:3 51:23 progress 29:8 36:4 39:5 48:1 53:1 project 40:7 projected 30:12 projections 30:13 49:17 projects 16:16 18:13,16 61:14 62:17 promises 24:23 promote 66:5 promoting 31:11 proposals 65:13 propose 11:18 proposed 10:19 21:4 37:11 50:4,5 proposes 49:4 proposing 33:6 61:6 proprietary 59:20 prospect 42:15 protect 16:13,16 17:5 21:22 22:10 32:1 39:1 51:7 57:11 71:19 protected 62:9 protecting 7:23 33:2 protection 27:12 52:8 protections 15:20	proud 48:12 49:21 provide 8:25 10:23 27:24 31:9 35:4,18 40:1 42:21 43:1,14 45:3 47:8 52:13 55:4 64:11 66:5 provided 29:7 provider-of-choice 64:9 providing 11:4 public 4:7,16,18 5:10,19 6:4,12,19 7:11 8:4 10:13 13:23 14:2 16:19 19:10 25:20 31:25 46:9 63:13 66:24 PUD 15:7 17:14 26:14 30:8 48:10 50:21 Puget 33:13 35:2 38:5 46:9 pull 28:14 30:4 pump 17:22 45:11 Purce 4:6,8 5:25 7:14 14:19,22 17:10 19:4 21:19 22:3,5 25:1 26:2 28:4 30:2 31:15 33:7 34:22 36:20 39:14 40:21 42:5 44:6 45:23,25 46:3 48:5,7,13 50:12,17 53:7 55:18 57:14 59:18,24 60:1,5,8 62:19,21 64:16	65:2 67:19 69:18 71:23 72:16,19 purposes 21:3 pursue 66:13 pursues 23:4 purview 29:15 push 19:14 49:3, 18 52:17 53:20 put 16:15 18:1 31:7 71:3 puts 43:5 56:9 putting 18:16 20:2 Q QR 14:8,13 qualities 9:14 quantities 41:12 quantity 43:12 quarter 65:14 question 61:5 62:2 questioning 60:20 questions 13:17 queue 70:12 quoted 71:7 R R-E-G-G-I-E 33:10 R-E-I-N 46:4 R-E-I-T-A-N 55:23
--	---	--	---

R-I-C-H 42:8	ready 13:13	32:12	34:22
R-O-N-D-I-N 50:19	real 28:23 55:12 59:22	record 5:22 6:5 14:2 60:9 63:17	region 7:22 8:10 9:2 11:17 12:9 19:15 22:16 24:15,20 30:22 35:23 36:1,12 37:2,18 47:14 49:21 50:8 54:15 58:9 59:3 64:2 65:13 66:7 67:16
R-U-L-I-F-S-O-N 40:23	realistically 61:24	recorder 5:20	region's 19:12,19 24:2 25:21 28:2 33:22,25 34:6 35:20 47:11 51:16 52:16 53:19 65:11 66:1 68:11,15
raise 13:16 19:24 72:5	reality 65:19	recording 7:1	region-wide 47:18
raising 17:24 23:21	realize 29:14 31:6 56:18	recovered 40:8	regional 6:6 8:5 10:8 22:22 23:2 27:23 31:23 33:24 35:13 37:15 39:23 46:17 47:1,20 49:19,25 51:20 54:16
ramp 50:6	realizing 41:10	recovering 52:5	regionally 45:12
ranch 56:3	realm 31:5 45:10	recovery 19:2 22:1 23:3 24:10, 13,18 25:19 27:21,24 34:6 35:13 36:5 38:11 39:5,21,23 40:16 46:22 47:1 48:2 51:17,20 52:10 53:1 55:13	regionwide 65:21
range 10:1 46:17	reason 40:24	recreationist 54:21	regular 18:22
Ranier 33:17	rebirth 69:12	rectifying 21:17	regulate 64:15
rapid 42:15	rebuilt 24:21	red 39:20	regulating 20:14
rapidly 49:25	received 7:5	reduce 10:25 16:12 18:19 23:19 29:5,23 47:22 55:7 64:3 66:4 67:4	regulation 29:10
ratepayer 26:13, 17 33:11 35:1,10 38:7 46:8,11 48:10 50:20 51:12 57:17 63:2 65:9	receiving 12:5	reduced 15:23	regulations 18:6
ratepayers 16:13, 17,25 17:5 59:8 66:6,21	recently 24:14	reduces 49:10,11	regulators 15:14
rates 13:9 15:16 17:24 27:16 41:17 49:10,13, 14	recess 72:18	reducing 28:23 29:25 38:17 66:9, 10	Rein 46:1,3,4 48:5
ray 19:14 28:12	recognize 5:8 68:9	referred 6:9	reinvigorate
reach 31:10	recognizes 55:3	reflect 36:16	
reaches 19:1	recommend 29:1	reflects 23:8	
reaching 30:13	recommendation 32:12,23	refuse 18:23	
read 4:21 6:3 11:8,25 41:8 51:24	recommendation s 11:8 12:7 28:25 36:17 66:15	regard 28:24 49:2	
reading 44:20	recommended 12:15	Reggie 33:8,9	
	recommending 11:13 32:19,21 65:24		
	recommends 12:14		
	reconcile 34:1		
	reconsider 28:25		

69:11	53:18 61:7,21	71:9	50:1,9 54:25
Reitan 55:19,22, 23	65:25 67:3 70:15	required 55:6 61:24	56:21 61:22 62:1, 9 65:25 67:10
reject 16:22	renewables 11:2 12:1,18 18:8,10	requirement 8:22 50:3	respect 37:8
related 23:13 24:3	29:7,12,19 32:9, 18 40:24 44:24	requirements 45:5	response 11:24 12:17 16:11 23:7
release 8:14	57:8 64:3,8	requires 6:18 8:3 27:11 52:6	31:3 32:21 35:17
released 6:11	renewed 48:22	Res 29:1	37:13 38:16 39:2
releases 6:11	rent 49:8	research 33:12 62:16 70:1	43:16 44:21
reliability 32:10 66:18	repeat 8:22 13:14	researched 56:5	45:10 47:4,21
reliable 8:23 22:18 33:23	repercussions 36:12	reservoir 24:25	49:3,4,17 50:1
35:11 36:6 38:3,8	replace 38:19 40:3 47:6 51:25	resident 27:5 38:7 63:2	51:23 54:24
39:6,9 46:12 48:2	55:10 64:23	Residents 16:6	64:18 66:1,8,14
51:13 53:2,5	replaced 29:19	residents 40:19 66:6 71:19,21	67:4,14
55:13,14 59:8	replacement 24:16 28:1 34:8	resilience 70:2,18 71:5,12	responsibilities 8:8
reliance 31:12 38:17,25 47:22	35:20 40:12	resiliency 32:9	responsibility 57:11
relieving 23:2	47:10	resilient 22:18 55:15	responsible 18:18 35:7 36:17
rely 23:20 50:24 71:19	replacements 52:15	Resolution 28:25	45:8
remain 20:17 41:17	report 54:5	resource 8:8 10:8,19,21 11:18	rest 25:24
remind 44:3	reported 54:4	12:4,22 13:10	restoration 22:17 24:12 27:20,23
removal 40:11 68:3	reporter 6:25 14:4,19 15:1	29:14 34:7 37:11	34:5 35:14 38:14
remove 17:21 47:12 57:25	reports 71:10	47:6 50:9 51:24	39:20,24 40:5,7
68:12	representative 4:10 68:2	58:7 62:5 65:21	47:5 51:21 52:9, 11 69:23
removing 18:25	represented 6:19	67:5	restore 21:22 22:10 27:18 51:8
renewable 16:10 17:16 23:13,17	representing 28:6 60:7	resources 7:16 9:1,2,4 10:8,22, 25 11:7 12:11,17	restoring 55:11
30:15 35:22	represents 48:20	13:4,5 16:3 21:16	result 20:4
37:13 40:4 42:22	request 35:21	35:22 40:4 49:10	retired 19:8 29:16
43:2,22 44:21	require 16:4,14 43:1 45:9 57:13		retirement 13:10 29:14
46:14 47:2 48:21			return 19:1 51:10
			returning 21:25 69:8

returns 35:9	role 8:19 19:19	20:17 22:9,11,15	seconds 21:19
review 6:7,10,12 29:24 70:25 71:1	rooftop 58:13	23:3,23,25 24:13, 18,21 26:19	secret 19:16,20
revisit 54:23	room 5:17 6:24 13:19 25:14 63:16,22	27:23 33:12,25 34:6,25 35:8,13 36:5 38:6,11,20 39:1,5,8,18,21,23 40:8,12,13,14,16 41:25 46:6,22 47:1 48:1 49:12 50:25 51:6,16,20 52:2,10,19 53:1,4 55:12 58:23 61:16 71:18,20	sections 54:24
Rich 42:8,9	roots 25:11	sanity 59:14	seek 64:8 67:3
Richard 42:6	round-the-clock 29:13	Santos 36:21,22, 23	seeking 19:18
ridiculous 58:1	rude 26:5	save 22:8 33:12 34:17,25 38:6 64:19	selection 70:24
rights 59:10 62:7, 9,10,13	Rulifson 39:15 40:22,23	Savers 68:2	sell 64:14
ringing 63:11	run 18:10	scenario 67:12	send 21:5
rise 15:17 60:13 68:9,16	running 58:22	scheduled 71:25	senior 5:25 37:1
risen 63:14	runover 38:25	Schoepe 69:19, 21	sense 18:3
rising 17:3	runs 19:25 21:23	scientist 54:21	separate 11:21 36:9
risk 9:11,25 10:6 18:2 23:23 43:5	rural 30:8 49:18	scientists 63:11	series 68:18
risks 66:19 67:10		scrapped 20:23	serve 36:25
river 18:25 19:2 21:22 22:2 23:3 24:17 26:25 27:18,20 28:1 34:3,9 35:20 36:2 38:18,21 39:24 40:3,10 41:24 42:1 47:7,10,16 51:9,10,11 52:1, 4,9,15 55:11,12 59:5,6 62:4,25 64:23 68:2,4,13, 17,20,21 69:9,12, 17 70:5,8	S	sea 51:10	serves 50:10
rivers 36:8 48:25 52:18 61:16	S-A-N-T-O-S 36:24	seasonal 67:5	service 19:12 57:24
roadmap 24:12	S-C-H-O-E- 69:21	Seattle 19:8 26:16 31:17 33:15 39:18,19 44:10 46:8,9 53:10 57:16 63:1, 2 65:9 68:1	services 29:11 55:10
robust 16:19	S-H-A- 65:6		serving 46:5 60:17
robustly 35:13 46:25 47:1	S-H-U-R-G-O-T 67:24		sessions 19:16
	S-L-A-A-T-S 34:24		set 5:5 13:9
	S-T-E-A-R-N-S 57:16		sets 34:13
	sad 27:9		Shannon 65:3,5,6
	safety 33:17,18, 19		shape 62:16
	sake 61:19		share 12:15 16:5 22:24 59:7
	salmon 15:24 18:23 19:1,2,25		sheet 4:17
			sheets 6:24
			shenanigans 19:24
			shift 55:6

shortly 4:11	sited 13:4	social 26:21 31:19	spawn 51:11 52:4
should've 58:24	sites 27:1,3	society 43:24,25	spawning 27:19
shoulder 18:21	siting 13:3 58:15	socioeconomic 71:10	speak 12:23 28:3 67:23
show 10:10 11:16 50:6 67:11	sits 22:19	sockeye 38:21	speaking 36:24 40:25 53:11 55:23 63:1,10
showed 58:16	situation 27:1	Soft 20:3	species 23:23 34:17 40:8 71:18
Shurgot 65:3 67:21,24	Sixthly 16:22	solar 28:12 30:19 39:2 45:13 46:13 56:4 58:13 70:15	specific 12:7 48:24
Shurts 5:11	skinny 57:2	solutions 17:6 42:9 54:6 65:8,22 67:6	specifically 8:7
sic 68:5	Slaats 33:8 34:23	solved 30:20	speculation 16:16
side 23:5,25 58:25 59:1	slated 57:19	sophistication 32:7	speculative 67:9
Sierra 28:7 42:10 48:11 53:12 55:24	slop 21:10	sort 11:16	spell 5:21 14:18 15:1 60:9
sign 4:18 6:23 72:13	slow 27:14 43:22	sorts 44:15 52:12	spells 10:4 45:18, 19
signals 11:14,16	small 28:12 42:25	sound 33:13 35:2 38:5 46:9 48:19	spend 44:11
signed 13:14	smart 25:18 56:22 64:6	source 21:8 28:24 62:5	spill 69:9
significant 34:10 42:2 49:23 53:18 60:24	Smit 5:25 7:13,16 14:15,17	sources 37:18 38:12,15,19 47:2 51:18 70:15	spoken 64:16
significantly 32:17 66:12	smoke-filled 25:14	south 56:11	stability 69:15
signing 37:4	smoky 44:14	southern 24:25 27:5 71:19,20	staff 5:2,3,15,25 7:2 13:15,16,19 14:5 19:21 28:8 34:20 36:18,23 38:1 46:16 48:18 53:11,14
signup 4:17 69:19	Snake 22:2 24:17 26:25 27:20 28:1 34:3,9 35:20 38:18 40:3 47:7, 10 52:1,15 55:11 59:6 62:25 64:23 68:2,3,13,16,20 69:12,16 70:8 71:16	sovereign 62:8 68:25	stage 34:13
silo 20:12	snap 67:2	sovereignty 60:13	stagnate 68:18
similar 33:22	Sno 15:7	space 23:3 30:20 70:13	stakeholders 46:17 62:8
simply 54:15 62:17 64:6	Snohomish 17:14 26:13 30:9	Spafford 39:15, 17	stand 5:9
single 40:8	snow 18:1 33:13		standard 56:3
sit 44:13	snowpack 15:24 30:12		
site 70:23			

standards 47:19 50:5 58:9,16 59:22 start 4:14 13:25 14:23,25 15:1 started 60:14 starting 22:23 state 4:10 5:3 6:19 8:1,2 14:17 15:22 24:15 27:25 34:8 35:19 39:21 40:2 47:9 48:10 52:14 57:2 59:15 60:8 64:22 65:12 State's 66:16 stated 69:7 72:3 statement 4:21 6:4 7:21 63:7,8 states 7:24 15:9 20:25 24:14 47:13 55:3 58:14 statewide 48:16 65:15 steady 41:17 Stearns 57:15,16 59:19,25 steelhead 19:25 22:11,15 23:24 26:19 36:5 38:11 39:5 40:8 46:22 48:1 49:12 51:17 53:1 55:12 step 53:19 Sterns 55:19 steward 40:12 stocks 27:7,10,13	stop 42:17 storage 11:3 12:2,20 16:10 17:17 29:8 30:16 32:9,24,25 42:23 43:2 48:21 61:8, 13,21 66:1 67:4 70:16 storm 24:1 story 25:12 56:14 stove 17:23 strain 55:7 straining 15:8 strains 36:2 47:15 stranded 16:17 strategies 12:22 43:16 71:3 strategizing 70:20 strategy 10:19,21 11:2 12:4 34:7 37:11 40:2 47:6 49:25 51:24 65:22 stray 33:25 strengthen 66:3 strengthened 22:24 stressed 49:16 strong 11:14 26:18 37:9 47:17 51:14 stronger 18:6 strongly 22:1 37:10,21 44:18	70:22 struggling 24:7 stuck 43:9 student 33:11,12 34:24 35:6 36:7 38:5,6 53:21 58:2 studies 39:20 study 33:13 35:1 stuff 64:14 submit 7:3 14:8 37:4 59:7 submitting 7:3 48:4 subsidize 18:12 substantial 40:24 65:16 substantially 68:10 success 40:10 successful 18:25 suck 60:15 suffering 54:10 suite 10:8 11:7 summer 56:6 68:23 summers 63:17 sun 18:10 29:13 56:6 supplied 15:7 29:11 supplies 15:8 supply 8:24 31:25 37:19 43:4,11 supplying 18:18	support 12:16 17:6 22:16 27:22, 25 28:23 34:8 35:18 37:14 39:8 40:2 44:19 45:9 46:14 47:8 48:20 50:4 52:9,13 53:3 69:23 supportable 44:25 supported 11:7 supporters 48:16 supporting 5:16, 22 38:9 supports 26:18 34:5 51:14 supreme 26:23 survival 27:16 survive 24:7 63:17 sustainability 70:1 sustainable 18:16 26:19 38:9, 23 51:14 59:9 70:3 swim 38:21 51:9 52:2 Switching 23:25 symbol 68:21 system 9:4,13,21 11:6 13:1 22:15, 18 23:2 24:3,18, 21 26:18 31:25 35:11 37:23 39:6, 7,10 43:9 46:13 48:2 49:11,22 51:13 53:2,3,5
--	---	--	--

55:13 57:22 59:4, 9 60:21 64:4 65:11,17 66:5,9 systems 18:14 36:2,6 46:12 47:16 54:16 58:1 70:4,6	technical 6:14 27:24 35:18 47:8 52:13 63:3 68:4 techno 59:11 technologies 29:20 technology 29:10 telling 25:10 temperature 21:24 temperatures 63:14 tend 69:17 terabytes 21:9 term 32:5 testify 68:21 testifying 48:15 72:21 testimony 25:9 60:15 text 6:13 thanking 53:13 then-governor 19:13 thermal 41:23 thick 71:16 thing 9:7 26:3 56:15,19,22 69:14 things 9:18 10:5, 6 11:9,21 12:23 13:11 23:1 25:22 44:12,15,17,21, 23 45:11,13,17 52:12,24 58:18	thinking 20:12 thinks 72:8 Thirdly 16:9 thoroughness 32:7 thought 56:16 57:20 thousand 61:6,7, 8 thousands 61:20 threaten 34:2 throat 12:19 67:23,25 tight 22:14 Tim 55:19 57:15 time 6:3 7:10 9:19 13:22,24 14:20 15:3,16 18:10 19:9 21:24,25 24:2,8 25:23 26:5 29:9 36:16,19 39:11 40:17 42:4 44:11 49:9,13 50:10 54:2 55:17 56:11 57:19 58:22 59:12,21 61:19 65:11,16 71:15,22 72:3 timely 17:5 times 8:18 11:6 18:20 43:18 49:6 58:10 67:1 timing 5:5 tipping 53:24 title 68:8 today 7:2 9:4 25:17 28:3 36:24	37:6 39:22 40:25 44:16 48:14 51:11 53:20 60:11 63:1,23 64:5 68:1 told 56:9 tolerant 50:6 toll 27:17 Tommi 60:2,6,7 tomorrow 60:12 tonight 5:5,11,20, 23 10:15 49:20 60:11 tools 55:14 top 45:17 topic 13:21 topics 11:11 37:7 total 8:1 29:22 touch 8:11 37:6 touching 63:23 Townsend 50:20 toxic 27:14 68:22 track 19:24 trajectory 20:18 transition 61:20, 23 transmission 11:9,20 12:24,25 18:2 23:14,16 32:19,20 35:16, 23 37:15,16 38:15 39:3 43:3 44:23 45:9 47:3, 13 48:22 51:22 57:5,9 59:19 61:13 70:12
T			
T-I-M 57:16 T-O-M-M-I 60:10 T-W-Y-M-A- 38:4 table 11:12 14:24 16:15 20:24 63:5 tackles 32:3 Tacoma 33:10,11 35:1,3 38:6,7 takeaways 9:16 takes 58:18 taking 15:3 31:21 36:16 42:4 70:12 talk 61:12,17 63:6 talked 10:21 talking 71:18 target 11:21 66:8 targets 40:18 47:17 67:4,15 tariffs 16:14 tax 59:16 taxes 51:2 teach 40:14 team 31:18 48:18 tech 16:23			

transmissions 10:24	U	unsustainable 27:15	utilized 70:14
transparency 16:19	U.S. 26:23	update 8:25 46:17	V
transparent 25:20	ultimately 25:21 62:2 63:7 66:21	updating 39:2	V-I 38:4
treaties 26:22 46:23	unavoidable 54:5	upgrade 18:14 43:9	V-O-G-E-T 31:16 42:8
treatment 21:17	uncertain 60:22 61:11	upgrades 23:17	valuable 25:24 55:4
treaty 46:23 59:10 62:6,13	uncertainties 60:18	uphold 24:22 26:22 46:23	values 11:15 35:11 63:7
treaty- 62:8	uncertainty 9:25 10:1,6 21:2 32:6 54:14 60:24	upper 19:1	vein 44:22
tremendous 49:9	unchecked 17:2	UPS 48:12	Vera 69:19,20,21
tribal 26:22 40:19 46:23 60:13 62:1, 7,11,13,15 69:23 71:20	underlying 65:22	upward 49:18	Vi 36:21 38:4
tribes 24:14,23 70:25	understand 28:22 35:7 36:9 54:13, 22 56:25 61:9	urge 15:20 17:17 28:24 29:24 32:11,17,22 35:12,21,25 37:21 38:24 46:24,25 48:24 54:23 55:5 57:8, 12 67:14 68:12 69:8,10 70:22	vice 4:9 64:16
tricky 9:7	understatement 21:3	urgency 54:7	videos 64:14
trillionaires 30:23	underwrite 58:4	urgently 22:16	villages 27:2
trips 19:21	unfair 59:21	urging 39:22	vision 24:11
Trump 68:24	unfavorable 31:3	usage 43:19 71:8	visionary 58:12
tubs 57:20	unhealthy 17:23	users 36:3 47:17 49:15 55:5	visit 6:14
tune 52:1	unique 49:21 66:18	utility 43:5,8,16, 19	visual 68:21
turbines 41:14 45:6 56:24	United 31:18 54:4	utility's 43:17	vital 70:12 71:8
turn 14:3	University 26:15 33:13 35:2 38:5 39:19		Voget 30:3,6 31:16 42:6,8,9
turned 20:7 54:21	unprecedented 32:4 54:13		voice 7:22
turning 54:25	unrealistic 38:22		voices 31:4
Twisp 48:9	unreasonable 29:23		volatile 66:19
two-by-six 58:10			voltage 29:10
Twyman 36:21 38:4			voter 18:5
			VP 26:15
			W
			W-E-S-T-G-A-T-E 33:10

W-I- 17:12 wait 72:6 Walla 69:25 walls 58:10 Wanapum 69:25 wanted 25:8 59:8 61:23 warm 15:25 27:14 warmed 42:2 warming 54:5,8, 23 warning 54:1 Washington 4:11 5:3 6:20 7:25 11:19 15:6,19,22 17:13 19:8 24:16 26:13 27:25 31:24 33:10 34:8 35:19 36:24 39:21 40:2,7 46:6 47:9 48:9,11,18 50:20,25 52:14 58:14 59:15 64:22 65:7,12 66:16 67:9 69:1 70:17 Washington's 33:14 37:17 Washingtonians 17:3 waste 57:3 wasted 59:11 water 8:17 11:6 15:8,18,21,25 16:1,2 26:18 27:18,19 42:1 46:5 52:23 57:12 59:22 61:16 70:1,	18,19 71:8,12,16, 19 waters 27:14 35:9 watts 49:4 ways 22:24 23:21 27:3 38:24 weapons 21:9 weather 10:2 24:5 67:1 website 6:15 7:4 14:8 week 50:22 weekend 67:2 well-focused 30:10 west 57:18,20 Westgate 33:8,9 westside 27:5 whales 27:6 white 57:20 Whoops 14:17 wide 46:17 56:5 wild 22:9,11 27:10 33:12 34:25 38:6 wildfires 18:1 44:13 wildlife 7:23 8:6, 11,13,16 20:15, 20,22,23 21:15, 18 24:7,24 25:19 27:1,12 32:1 40:11,20 41:25 46:18 52:8 57:11 60:13 61:15	Williams 14:24 17:12 win-win 53:5 wind 18:10 29:13 39:2 70:15 wind-powered 57:25 windows 56:10, 12 wine 57:20 winter 56:7 wise 69:13 witnessing 53:25 words 8:21 69:13 work 5:18 22:21 31:7,25 34:7 35:5 37:9 46:16 47:4 48:19 50:6,11 52:12 69:4 71:14 worked 58:6,8,13, 23 59:14 workers 70:17 71:9,20 working 22:1 28:11 33:17 46:17 65:12 71:17 works 22:9 worse 18:5 27:10 44:18 worst 42:11 written 7:1 14:2 32:16 53:16 54:12 wrong 27:4 69:15 wrote 58:3	Y y'all 25:7 33:7 65:4 Yakama 69:25 Yakima 21:22,25 59:5 year 7:8 8:12,15 15:24 18:8 38:21 39:19 41:8 46:19 years 6:8 8:25 19:11 27:10 29:18 30:12 34:12 37:2 40:6 46:12 50:23 56:13 60:12 63:12 68:10 69:22 yield 41:11 young 35:6 42:14
			Z Z-E-M-T-Z-O-V 28:6 Zel 5:19,22 Zemtsov 25:5 28:5,16,18,20 zone 45:2 zoning 58:15