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BEFORE THE NORTHWEST POWER  
AND CONSERVATION COUNCIL



DRAFT SIXTH POWER PLAN PUBLIC MEETING  
MEETING BEFORE  
COUNCILMEMBER JAMES A. YOST (Presiding)  
COUNCILMEMBER MELINDA S. EDEN  
TUESDAY, OCTOBER 13, 2009  
4:00 P.M.

JR Williams Building, Hall of Mirrors  
700 West State Street  
Boise, Idaho

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23  
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**WITNESS APPEARANCES**

	Page
WILL HEART	11
MICHAEL HECKLER	14
DICK ADAMS	17
RON WHITNEY	25
LEIF ELGETHUN	30
KEN MILLER	35
LIZ WOODRUFF	39
BETSY BRIDGE	43
LOU LANDRY	44
BERT BOWLER	49
JEFF BURNS	50
STEVE HOWE	52
HANS GLENN	54

1 **PUBLIC MEETING**

2 **TUESDAY, OCTOBER 13, 2009**

3 **4:00 P.M.**

4  
5 **COUNCILMEMBER YOST:** The appointed hour is upon  
6 us. It's Tuesday, October 13th, at four o'clock, a time  
7 scheduled for the public hearing of the Northwest Power and  
8 Conservation Council to discuss and receive public comments  
9 on the Sixth Power Plan of the Council.

10 And I'm Jim Yost. I'm one of the Idaho members of  
11 the Northwest Power and Conservation Council. Bill Booth is  
12 the other member. Joining us here today is a member from  
13 Oregon, Melinda Eden, and I'd like to ask her if she'd want  
14 to make a comment or statement.

15 **COUNCILMEMBER EDEN:** I'm just very happy to be  
16 here. I think it's important. It's important to me that  
17 Councilmembers hear comments from folks who care to testify  
18 about the plan from other states, so that's why I'm here.  
19 I'm very pleased to be in Boise and pleased to see plenty of  
20 folks here to talk to us about the plan. Thank you.

21 **COUNCILMEMBER YOST:** Thank you, Member Eden.

22 I want to welcome everyone here. And the process  
23 for the meeting will be that I have a short statement that I  
24 will read.

25 I'll have John Fazio from central staff present

1 about a five-minute slide presentation that gives an  
2 overview of the Sixth Power Plan.

3 After that, we'll use the sign-up sheet and will  
4 ask that you provide your comments as you signed in, in the  
5 order in which you signed in, and we'll go through that.

6 That will be the process we'll use. We'll be here  
7 until 6:00 p.m. this evening.

8 So, welcome to the public hearing held by the  
9 Northwest Power and Conservation Council on the Council's  
10 Proposed Sixth Northwest Power Plan. The Northwest Power  
11 Act directs the Council to develop a regional conservation  
12 and electric Power Plan, and to review that Plan every five  
13 years.

14 The Council is now engaged in its latest five-year  
15 Power Plan review. As part of that effort, the Council  
16 released a Draft Revised Power Plan on September 3rd for  
17 public review and comment. The Council will be taking  
18 written comment on the Draft Power Plan until November 6th.  
19 The Council will also hold public hearings like this one on  
20 the Draft Plan in all four of the Northwest states over the  
21 next six weeks. Tomorrow night, we will be in Idaho Falls.

22 If you would like to comment at the hearing,  
23 please sign in on the sheet provided for that purpose. You  
24 may also leave written comments with us this evening if you  
25 desire. Your comments will be recorded, placed in the

1 Council's administrative record for the power plan review,  
2 and most importantly, considered carefully by the Council as  
3 it makes its decisions on the Final Power Plan later this  
4 year.

5 For more information on the Proposed Sixth Power  
6 Plan, including the text of the Draft Plan itself, please  
7 visit the Council's Web site at [www.northwestcouncil.org](http://www.northwestcouncil.org).

8 You may submit comments by using the "How to  
9 comment" link on the Web page devoted to the Draft Power  
10 Plan.

11 Thank you.

12 John, can you show us the --

13 **MR. FAZIO:** You bet. Let's try this. Thank you.

14 Is it on? There.

15 **MS. EDEN:** It's on. You're on.

16 **MR. FAZIO:** Thanks. I've had a cold for a week  
17 and my voice is a little weak and I may lose it, so if I  
18 can't talk, then I guess Jim will come up and finish the  
19 presentation.

20 But my name is John Fazio. I work for the central  
21 staff, I'm a systems analyst, and about two years ago the  
22 Councilmembers directed at staff, including me, to begin the  
23 process that involves creating a Power Plan. And that  
24 process involves collecting data on electricity demand, upon  
25 resources that provide electricity, and on potential

1 conservation measures. And so we started that process, and  
2 we started that process with the involvement of utilities,  
3 state agencies, and other interested parties via advisory  
4 committees, public hearings -- or, public meetings, rather.  
5 And so the past couple of years we've collected all this  
6 information, we've put that information into our models, and  
7 we've provided the Council some analysis, which they used  
8 then to put this Plan together.

9 The goal of the plan is pretty simple --

10 Am I blocking you guys? Okay. -- we want to keep  
11 the lights on. Pretty simple, but we want to do it keeping  
12 the costs low, and we'd like to also minimize price  
13 fluctuations from year to year. We really want to avoid  
14 what happened in 2001 in this region. And, of course, we  
15 want the power system operation to support and aid in fish  
16 and wildlife operations.

17 So, how does this Plan work for the utilities in  
18 the region? Well, what the Plan really is is a strategy,  
19 and it provides an inventory of cost-effective resources  
20 that utilities can use in their own processes to develop  
21 their own integrated resource plans.

22 The Plan itself is a regional plan, looks at the  
23 region as a whole. It is not a Plan for individual  
24 utilities. And the Council wants to recognize that each  
25 utility is going to have its own specific needs and access

1 to the various resources, and, therefore -- and it's not  
2 part of the Council's duties to do planning for utilities  
3 but to provide this information for utilities so they can do  
4 the planning on their own.

5 This slide shows -- I don't intend to go through  
6 this slide. I just want to show you this is somewhat of a  
7 supply curve for resources that we examined and they are  
8 listed in order of cost, levelized lifecycle costs, starting  
9 with on the left, way over on that side, conservation, and  
10 we've got coal, we've got nuclear in here, we've got woody  
11 residue, all kinds of resources based on all of the  
12 information that we collected. We ran these through  
13 lifecycle models to assess their costs and this is what we  
14 started to work with to develop the plan.

15 The next couple of minutes, I'm just going to  
16 summarize briefly what's in the plan in terms of these  
17 various resources, starting with conservation.

18 Conservation we've found is the lowest-cost  
19 resource. Regardless of any scenario that we looked at --  
20 high carbon penalties, low carbon penalties -- conservation  
21 was always there as the lowest resource available. It  
22 avoids the risks of fuel prices, carbon penalties. It  
23 contributes both to peak and annual needs. And, actually,  
24 it can provide most of the region's expected load growth  
25 over the next 20 years.

1 Wind. Wind is being acquired to satisfy renewable  
2 energy standards that three of the four Northwest states  
3 have adopted. The Council recognizes that additional wind  
4 could also be cost competitive with other resources, and we  
5 found that, in fact, several hundred megawatts of additional  
6 wind would be cost effective depending on where your utility  
7 sits in access to that resource. Again, wind avoids the  
8 risks of fuel prices and carbon penalties, and it also can  
9 offset a good part of the region's load growth over the next  
10 20 years.

11 The problem with wind, of course, is that it's  
12 variable. You get power when the wind blows, and quite  
13 often when -- during a heat wave or a cold snap, the wind  
14 may not be there. So, it provides a challenge for  
15 utilities, especially Bonneville Power Administration, to  
16 properly integrate this resource so that we can use it  
17 without causing any reliability issues.

18 Natural gas. Turns out that the plan recognizes that  
19 gas may be needed in the short term for various reasons: For  
20 capacity needs, that's equivalent to meeting hourly needs of  
21 the region; for flexibility, i.e., associated with wind  
22 integration; and, in particular, for local utility needs who  
23 may not have access to all of the other resources that could  
24 be cost effective.

25 Gas carries the fuel price risk. It also emits



1 carbon, but not the same levels as, obviously, the coal  
2 plant.

3           One other finding from the Plan is that -- sorry  
4 about the noise, the microphone -- that looking at the  
5 carbon risk for the region, currently, there's legislation  
6 that's being discussed on the federal level, at the state  
7 level, about carbon emissions and how we can reduce them.  
8 One of the facts is that the coal plants in this region emit  
9 85 percent of the power system's carbon dioxide emissions,  
10 but they provide approximately 20 percent of the region's  
11 electricity. So in order to reduce the carbon emissions  
12 from the power sector in the Northwest, we have to reduce  
13 the operation of the coal plants, and reducing the operation  
14 of the coal plants will likely require that natural gas be  
15 used instead in some cases.

16           In the Plan, we have a Five-Year Action Plan which  
17 addresses actions that should be taken over the next five  
18 years. Of course, five years out, the Council will again  
19 endeavor to produce another Power Plan. So the Five-Year  
20 Plan is really the thing that we're looking at in terms of  
21 actions that the region can take.

22           And the Five-Year Action Plan, in a nutshell, is  
23 we have a target of 1,200 average megawatts of conservation  
24 for the region by 2014. We assume -- the Council assumes --  
25 that state requirements will be met in terms of renewable

1 resources, and that, in addition, more wind will be acquired  
2 if it's cost effective, and gas-fired generation will be  
3 developed where it's needed and if it's needed either by a  
4 local utility or in order to integrate other resources such  
5 as wind. Council also recognizes that for better  
6 integration of wind and all these other resources, that we  
7 need to improve the capability of the transmission network,  
8 and improve the access to markets and ancillary services,  
9 and look into methods such as the smart grid. And, of  
10 course, the Council is going to recommend that we continue  
11 to do research on new technology, both for generating  
12 resources and on conservation measures and potential.

13 So, in a nutshell, that's the plan. And I think -  
14 - I'm finished with my presentation. I think the next thing  
15 is comments.

16 **COUNCILMEMBER YOST:** Correct.

17 **MR. FAZIO:** I'll just leave it there.

18 **COUNCILMEMBER EDEN:** John, would you mind turning  
19 off the PowerPoint projector, please?

20 **MR. FAZIO:** Sure. You bet.

21 **COUNCILMEMBER EDEN:** Thank you.

22 **COUNCILMEMBER YOST:** We have high-tech equipment  
23 in our office, and that bucket is an example of how high  
24 tech we can get.

25 Karen, I'm assuming these with the stars on them

1 are those who want to testify.

2 **MS. DUNN:** You might want to read their name  
3 though in case they don't have a star.

4 **COUNCILMEMBER YOST:** Bob Neilson.

5 **MR. NEILSON:** Will not testify.

6 **COUNCILMEMBER YOST:** Will Hart.

7 When you present your testimony, would you give  
8 your name and address for the record?

9  
10 WILL HART, appearing as a public witness, testified as  
11 follows:

12  
13 **THE WITNESS:** Thank you. Will Hart, Idaho  
14 Consumer-Owned Utilities Association, P.O. Box 1898, Boise,  
15 Idaho, 83701.

16 Good evening, Member Eden and Member Yost. Again,  
17 my name is Will Hart, and I'm the executive director of the  
18 Idaho Consumer-Owned Utilities Association. I represent 14  
19 rural electric cooperatives and eight municipalities in  
20 Idaho. Combined, ICUA member utilities serve over 120,000  
21 power consumers in our state.

22 Thank you for the opportunity this evening to  
23 provide our comment on the Sixth Power Plan. We will be  
24 providing additional written comment prior to the deadline  
25 in November.

1           On behalf of our 120,000 member consumers, I would  
2 like to thank the Council for, in our perspective, a  
3 generally reasonable and thoughtful Plan that fulfills its  
4 regional electric power-planning purposes by providing  
5 guidance and information in meeting the future power needs  
6 of the region in a cost-effective and responsible manner.  
7 In addition, the Plan recognizes the need for flexibility by  
8 explicitly allowing resource acquisitions to meet utility  
9 needs, even if those acquisitions differ from the general  
10 regional Plan.

11           One thing of very critical importance to ICUA  
12 members specifically and to the region generally, the plan  
13 provides an excellent discussion of the federal hydro  
14 system. The plan describes how important the hydro system is  
15 in keeping our carbon emissions low, and notes the  
16 significant increase in carbon emissions that would occur  
17 should the hydro generation be reduced due to dam removal.  
18 And the plan describes how the flexibility of the hydro  
19 system is used to integrate other carbon-free renewable  
20 resources which our association supports.

21           ICUA believes that the costs associated with fish  
22 and wildlife mitigation, the hydro system's ability to  
23 integrate renewables, and the carbon reduction that the dams  
24 provide, are critical to include in the Plan, as these  
25 elements inform decisions and model assumptions. We do have

1 some concerns regarding conservation targets.

2 ICUA recognizes that conservation is typically the  
3 lowest-cost resource and generally believes it's the best  
4 way to meet growing loads, and our members have been on the  
5 forefront of attempting to meet conservation and efficiency  
6 goals.

7 We appreciate the Council's recognition of the  
8 inherent uncertainty in the amount of conservation that can  
9 be accomplished in the next five years by providing a range  
10 of conservation savings instead of a specific target.

11 However, we still have concerns over the availability of  
12 certain measures, the lead time to develop and implement  
13 programs to distribute the measures, and the affect of  
14 current economic conditions.

15 All that being said, ICUA members believe in the  
16 consistent professional work of the Council, as well as your  
17 willingness to accept our input and listen to our concerns.  
18 I thank you for the opportunity you provided today to  
19 briefly comment on the Sixth Power Plan, and thank you for  
20 the in-depth opportunity you gave our association last week  
21 in Sun Valley to discuss our organization and the challenges  
22 we face.

23 Thank you, members, and have a good evening.

24 **COUNCILMEMBER YOST:** Thank you, Will.

25 **(The witness left the stand.)**

1           **COUNCILMEMBER YOST:** Michael Heckler.

2  
3 MICHAEL HECKLER, appearing as a public witness, testified as  
4 follows:

5  
6           **THE WITNESS:** Good evening. My name is Michael  
7 Heckler, H-E-C-K-L-E-R. I'm participating as a private  
8 individual, so my address is my residence, 2245 Roanoke --  
9 R-O-A-N-O-K-E -- Drive, Boise, 83712.

10           I'd like to make three or four points this  
11 evening, and I appreciate the opportunity to do that.  
12 First, I offer a congratulations. I think that you've done  
13 an excellent job both through staff and the Councilmembers  
14 in recognizing the significant opportunities that efficiency  
15 still represents. There's a very large scale of efficiency  
16 opportunities available to you. They're available at low  
17 cost and they're available at very low technological risk,  
18 and I congratulate you for making them the first resource  
19 that you're looking at to meet requirements over the next 20  
20 years.

21           I also appreciate the fact that you're looking now  
22 not just at average megawatts, you're not just looking at  
23 energy, but you're actively looking at load shape, that  
24 you're recognizing that we've got a growing summer peak, and  
25 that that affects the resource selection that's available to

1 keep the lights on.

2 And, finally, your comments regarding flexibility  
3 and the relatively low risk and fast implementation that can  
4 be made by changing your operations of flexibility. Setting  
5 up a market for capacity, shortening the periods of time in  
6 which trades take place, could be done relatively quickly  
7 and that can fairly dramatically reduce the amount of  
8 reserves required to accommodate variable generation  
9 resources.

10 There is one area where I think that your  
11 performance has not been so good, and that is that you  
12 haven't provided leadership in the region on how we should  
13 approach CO2 and carbon control. I think in doing that,  
14 you're missing an opportunity and that in one fundamental  
15 error -- area -- you've overlooked an element of analysis,  
16 and that is that the Northwest in general -- and I'll  
17 mention Idaho later in particular -- have a comparative  
18 advantage over the rest of the nation in that we can  
19 implement reductions in CO2 quicker and at a lower cost than  
20 the average for the nation as a whole.

21 You've set here, up here, over a period of time an  
22 efficiency infrastructure that does not exist in other parts  
23 of the nation. You've got agreement from consumers, from  
24 utilities, from governments, a mechanism for implementing  
25 efficiency opportunities that might not exist in the Midwest

1 or the Southeast or other parts of the country. Our area is  
2 also rich in noncarbon-generating resources, and the  
3 presence of those carbon-generation alternatives and our  
4 ability to exploit efficiency more effectively than other  
5 regions makes it so that we can shut down carbon-producing  
6 generation at a lower cost than other regions. If there's a  
7 cap in trade, we can sell permits at lower than the market  
8 cost will bear.

9 I don't think your analysis has looked at that  
10 comparative advantage. If it had, I think you'd step up to  
11 a leadership role in putting forward guidelines for pricing  
12 CO2 and for retiring coal plants. Now, my expectation is  
13 that with Washington, Oregon, and Montana already  
14 participating in the Western Climate Initiative, and by that  
15 process implicitly agreeing to a goal of a 15-percent  
16 reduction in carbon emissions by 2020, my expectation is  
17 that it's the representatives from Idaho who are in some way  
18 holding up the acceptance of carbon standards.

19 I've worked in energy-related areas for a number  
20 of years in Idaho and I think I have some perspective on the  
21 receptivity of members of our government in this state to  
22 carbon control, and I don't think that it's particularly  
23 accepting of carbon control. There are some within the  
24 government that recognize the economic advantages that could  
25 accrue to this state if we were to have an implicit carbon



1 control.

2           There is better -- the rainy, gray day today  
3 notwithstanding -- there is better solar energy in  
4 Southwestern Idaho and a small portion of Southeastern  
5 Oregon during the summer months than there is in Phoenix,  
6 Arizona. There is an opportunity to use concentrated solar  
7 power here that doesn't exist in other parts of the  
8 Northwest. We have significant biomass in the state, we've  
9 got over one average gigawatt of wind available in this  
10 state, and there's substantial geothermal, and we don't  
11 produce any fossil fuels. We don't have a dog in the fossil  
12 fuel fight, and yet we're protecting them.

13           If the Council were to set out guidelines for  
14 utilities' pricing of CO2 and retiring coal plants, if  
15 you're wrong, when you do the mid-term review, you can make  
16 an adjustment. If you set them out and you're right, by  
17 then even Idaho might think that they thank you for having  
18 done so.

19           Thanks for the opportunity.

20           **COUNCILMEMBER YOST:** Thank you, Mike.

21           **(The witness left the stand.)**

22  
23 DICK ADAMS, appearing as a public witness, testified as  
24 follows:

1           **THE WITNESS:** Good evening. My name is Dick  
2 Adams. I'm the executive director of Pacific Northwest  
3 Utilities Conference Committee, often known as PNUCC. Our  
4 address is 101 Southwest Main in Portland, Oregon, 97204.

5           I'd like to add my congratulations to you also  
6 about -- on getting a Plan out. As John Fazio said, it's  
7 been a long two years.

8           And I'd also like to thank and recognize you for  
9 really creating a collaborative environment over that two-  
10 year period to invite utilities and others with interest in  
11 energy future to participate, not only in your Council  
12 meetings, in your power forum meetings, and also your  
13 willingness to come to other forums. You've been to the  
14 PNUCC board of directors meetings several times and other  
15 settings. I believe all of that has created a Plan that has  
16 -- I think it's a better Plan. I think it is a Plan that  
17 people are more likely to embrace and use as we move  
18 forward.

19           I'd also like to acknowledge, Member Eden, for  
20 your leadership in the Power Committee. You oversaw  
21 thousands of PowerPoint presentations, looking at lots of  
22 data and detail, and was able to pull out of all of that a  
23 sense of what needed to be put together to plan and actually  
24 produce something that adds value to the region. Not a  
25 small feat.

1           And, Mr. Yost, I compliment you for your tenacity  
2 in ensuring that the right questions are addressed in the  
3 Plan. That wasn't always the case over the last couple  
4 years. And I really wanted to acknowledge the work that  
5 you've put in personally to make sure the right questions  
6 are asked and the answers are understandable, and that's not  
7 always been an easy task with this sort of -- with the  
8 technical aspects of this industry.

9           That being said, I also want to acknowledge that  
10 the Plan is extremely important at this time. It comes at a  
11 time where many -- there are many major issues, and I think  
12 one of the key values of your plan is that it addressed some  
13 of the challenges of energy policy. We all know that the  
14 uses and the -- and the need for electricity are changing,  
15 whether it be iPods and Twittering, or as plug-in hybrids.  
16 We know that challenges of electricity are only growing. I  
17 think your Plan does an excellent job of describing some of  
18 those challenges and acknowledging them.

19           And I think a key element of your Plan is it  
20 creates a tool for communicating to a broader audience than  
21 just the industry, to policy makers, and the general public  
22 on what some of these challenges are and how you, as a body,  
23 have laid out a plan to address those challenges.

24           I think the Plan also highlights how the role of  
25 customers is likely to change in the future. Your

1 highlighting of the cost effectiveness of conservation and  
2 how the customers will be required to change their practices  
3 in order to achieve those savings, whether it be replacing  
4 some of the equipment that uses more energy than the current  
5 technology or changing the way homes are built, those are  
6 all activities that will be required on the customer side of  
7 the meter for the most part, and your Plan lays out a good  
8 strategy and helps define why it's so important to get  
9 there.

10 A couple of elements: I'm not planning to go through  
11 our written response we provided to you I think a couple  
12 weeks ago. Hopefully you've had a chance to look at it and  
13 make some sense to it. I also hope that there aren't too  
14 many surprises in there. We've been working with you over  
15 the last few years, and I'd be disappointed if there were  
16 many surprises. But I did want to highlight a couple  
17 things.

18 And, also, as the Plan moved forward, there was a  
19 lot of discussion about putting together scenarios -- what  
20 if and what if that and what if this -- and I applaud your  
21 effort to actually create six or 10 different scenarios of  
22 what the Plan might look like, what our energy future might  
23 look like, if different circumstances were to unfold, if we  
24 didn't have renewable portfolio standards what would the  
25 impact be, if we didn't have coal plants what the impact be.

1 The what-if scenarios I think creates a great font of  
2 information for people to really understand that down each  
3 of these various paths there are challenges, and there are  
4 some pluses and minuses, and I think your Plan does a good  
5 job of highlighting those impacts and effects.

6 I think your Plan also puts together a great  
7 narrative, as one of the earlier speakers mentioned, on  
8 conservation potential and some of the challenges. It is --  
9 it does a very good job of highlighting the challenges  
10 associated with getting consumers to change their behavior,  
11 and maybe the role that state building codes might play or  
12 even national appliance standards could play in achieving  
13 some of these savings.

14 Most of the conversation today seems about large-  
15 scale wind farms and other large-generating resources, and I  
16 applaud you for highlighting the importance of some of these  
17 smaller-scale, almost backyard technology. There are some  
18 utilities that are adding onto, in small, one- and two-  
19 megawatt increments, to some of their existing facilities,  
20 and while they may not be available at a large supply curve  
21 from a regional perspective, those are important megawatts  
22 that do add up.

23 And like an earlier person mentioned, we have  
24 moved in our industry from relying on average megawatts as  
25 our metric of sufficiency in energy to really trying to

1 understand the need to add resources to meet the growing  
2 peak demands and the flexibility that's needed to integrate  
3 some of the intermittent wind resources, for example, and,  
4 again, I think your Plan does a good job of describing the  
5 challenges.

6           And, lastly on the kudos, is there's been a lot of  
7 discussion about power costs, and while I personally favor  
8 net present values and '06 dollars as an indicator of what  
9 power costs are, not everybody fully understands what that's  
10 going to do to the power bill. And you're to be  
11 complimented for showing in various places within your Draft  
12 Plan how power costs are likely to change going forward, and  
13 I think in enough different ways that various audiences can  
14 grasp what that means.

15           There's a couple areas I think we could use your  
16 help on between now and the Final Plan, and one of them is  
17 conservation and the other is carbon, the two Cs.

18           As you've highlighted in your Draft Plan,  
19 conservation plays a prominent role. You've indicated it's  
20 going to meet 85 percent of the future needs. One of the  
21 pieces that's not been done to date is to help us understand  
22 what risk we face as an industry, as a region, by putting  
23 that much reliance on conservation. We know it will be a  
24 challenge to achieve that amount and utilities are working  
25 to get there, and -- but we could use some help on it. Help

1 us to understand the risks associated with that much  
2 reliance. We know there's challenges in getting people to  
3 install these measures, but how does that translate into  
4 maybe a slightly different path or different activities we  
5 might need to take on as we move forward? You deal with  
6 uncertainties in a lot of different areas in your Plan, and  
7 this is one I think that could use a little more help  
8 between now and the Final.

9           And on the carbon policies, you've outlined four  
10 or five different scenarios mostly dealing with the notion  
11 of a tax or using economic principles to change how  
12 different resources might be operated or built in the  
13 future. Our suggestion, our request, is you put together a  
14 scenario that looks at a -- it's a what-if case. I'm not  
15 suggesting there's a particular target, but look at the  
16 impact of defining a specific carbon reduction in terms of  
17 millions of tons of CO2, for example. There are a lot of  
18 different conversations going on at the national, as well as  
19 Western and state, levels about what the target should be.  
20 Pick one of those and help us understand if a policy is put  
21 in place to meet a certain target, how would that be  
22 implemented. Your Plan and analysis to date looks at  
23 implementing it through some financial incentives, and it  
24 may produce the same results but we're not quite sure. And  
25 it would be very useful to better understand in a more

1 simple way what would be the implications of meeting a  
2 prescribed target.

3           And then a couple suggestions on tuning up your  
4 communication. We think that early on in the report it  
5 should include a statement of need, a place where you  
6 describe, in some ways, the problem statement. You have a  
7 forecast of growing demand. How does that translate into  
8 need for not only energy but capacity in the winter and  
9 summer months, and this element you describe as flexibility,  
10 which is helping keep the lights on moment to moment.

11           And then a couple suggestions for the future: You've  
12 done a great job in teeing up the issue of capacity and  
13 trying to understand how that needs to be addressed in the  
14 future. I think between now and it's hard to even imagine  
15 the Seventh Plan, but at some point in time there will be a  
16 next Plan, one of the things you can help us do as an  
17 industry is develop not only tools, but help us think about  
18 how will we address the capacity -- growing capacity --  
19 needs of the Northwest system.

20           So, with that in mind, again, congratulations, and  
21 thank you for the opportunity to comment.

22           **COUNCILMEMBER YOST:** Thank you, Dick.

23           **(The witness left the stand.)**

24           **COUNCILMEMBER YOST:** Let's see. Next, Ron  
25 Whitney.



1 RON WHITNEY, appearing as a public witness, testified as  
2 follows:

3  
4 **THE WITNESS:** Good evening. My name is Ron  
5 Whitney, representing the Northwest Energy Coalition.  
6 Address is 13965 West Chinden Boulevard, Boise, Idaho. I  
7 thank you for the opportunity to testify here tonight.

8 The Northwest Energy Coalition applauds the  
9 Council for showing that we need no new fossil fuel power  
10 plants and for proposing to meet the next 20 years of  
11 growing Northwest electric demand with 5,800 average  
12 megawatts of new energy efficiency and 1,800 average  
13 megawatts of new renewable energy. These excellent clean  
14 energy targets are attainable and affordable and must not be  
15 watered down. At this point, they are the least we should  
16 expect. Lowering the conservation target, for example,  
17 would cost Northwest residents money and jobs.

18 The amount of cost-effective energy efficiency  
19 renewables in the Draft Plan produces a surplus of  
20 generating resources compared to loads. This result will  
21 allow the region to begin phasing out its dirty coal plants  
22 while providing high reliability and the ability to  
23 integrate the Plan's wind development.

24 The Draft Plan will stabilize global warming  
25 emissions, but not reduce them, not at all. It will not

1 help achieve the carbon reduction goals already in place in  
2 Washington, Oregon, and Montana. Instead of telling  
3 utilities it's okay to keep relying on dirty coal plants,  
4 the Council should chart a course to a carbon-free future  
5 based on more fully developing our energy efficiency and  
6 renewable energy resources. The Plan should be based upon  
7 carbon reduction goals for the region consistent with the  
8 latest climate science.

9           The only way to actually reduce utility-based  
10 global warming pollution is to phase out the many coal  
11 plants now supplying dirty power to the region. The  
12 Council's Draft Plan fails to adopt such a goal. Council  
13 staff did analyze the cost and benefits of doing so,  
14 however, and the results show shutting down coal plants is  
15 quite doable. Council analyzed shutting down all the coal  
16 plants used to serve regional loads, whether inside or  
17 outside the region, by 2020. This would reduce our climate  
18 emissions by about one quarter of today's level. The  
19 forecast bill impact of shutting down the region's coal  
20 plants ranges from seven to 13 percent over 20 years. This  
21 would hardly be noticeable year to year, and a somewhat  
22 slower phase-out of coal could reduce those bill's impacts  
23 substantially.

24           The Plan fails to establish a CO2 price that  
25 utilities should use for planning and operating their

1 systems. This disregards the damage caused by continued  
2 emissions. The Council analyzed carbon price scenarios that  
3 ranged from zero to \$100 per ton and based its long-term  
4 energy efficiency target on an expected emission cost of \$47  
5 per ton by 2029. However, the Council did not give utilities  
6 the projected greenhouse gas pollution cost to use in  
7 planning and operating their systems. This delivers the  
8 false message that global warming remains uncertain, and  
9 that any related costs are mere speculation.

10 The Five-Year Action Plan portion of the Draft features  
11 reduced conservation targets: 1,200 average megawatts  
12 rather than the proportional amount of 1,450 average  
13 megawatts that would save the region the most money and  
14 create the most jobs.

15 The Council's Action Plan for conservation sets up  
16 the region for failure. It calls for a midyear, two-and-a-  
17 half-year-point term review of regional progress for meeting  
18 the five-year target that could respond to inadequate  
19 utility efforts to simply lowering the target. The Council  
20 says that it might have to lower the conservation target due  
21 to uncertainty about new technologies, economic conditions,  
22 et cetera, but there's a little uncertainty about the vast  
23 known energy efficiency potential available to utilities. A  
24 midterm review is a good idea for judging progress, calling  
25 lagging efforts to task, and sharing ideas on what it is and

1 what is not working. It cannot become an out for utilities  
2 that fail to meet their share of the Council's reasonable  
3 and quite achievable targets.

4 Council staff analyses confirm important new  
5 studies such as bright future and the power of efficiency,  
6 showing that we can affordably shut down the coal plants now  
7 serving our region, start electrifying transportation,  
8 restore endangered salmon, develop our abundant clean energy  
9 resources, and revitalize our economy in the process. The  
10 Northwest Power and Conservation Council needs to assure  
11 that the power system fulfills its climate responsibilities  
12 while responsibly meeting our energy needs. The Draft Plan  
13 relies on others to make the hard choices. It's reactive  
14 rather than being proactive. It says we should position  
15 ourselves to make the changes needed only if someone else  
16 tells us we must. This sends the wrong message to the  
17 region, mainly that the status quo is really okay, and it's  
18 not.

19 On a more personal basis, I've become a little bit  
20 more intimately concerned about the energy efficiency  
21 renewables and conservation as our country has kind of  
22 dropped into the economic doldrums here. I've been asking  
23 myself what we really need to do to get out of the current  
24 bad economy, to increase the jobs in this country and become  
25 a competitive country once again. For years and years, the

1 United States has been a leader. We led the industrial  
2 revolution as we taught other countries how to manufacture,  
3 we led the technological revolution and taught other peoples  
4 how to use computers and the Internet, et cetera, et cetera.  
5 And right now we have an opportunity and it's one that we're  
6 behind in. We seem to have fallen behind in the concept of  
7 how important energy efficiency, renewables, conservation,  
8 just where energy technology is, and other countries are  
9 leading us right now. We're in second and third place.

10 And I think we really need to set our goals high  
11 when we're looking at energy efficiency in conversation and  
12 conservation. There's an opportunity here to create those  
13 jobs and bring people back to work and become a leader again  
14 on a worldwide basis, but to do so, we have to set our goals  
15 high. Our country has never accomplished anything by setting  
16 goals low. We've always done it by setting high standards  
17 and high goals. You know, they say that if you set a small  
18 goal, the worst thing that's going to happen is that you're  
19 going to achieve that goal. So we really need to set our  
20 targets as high as we can.

21 Thank you.

22 **COUNCILMEMBER YOST:** Thank you, Ron.

23 **(The witness left the stand.)**

24 **COUNCILMEMBER YOST:** Leif Elgethun.  
25

1 LEIF ELGETHUN, appearing as a public witness, testified as  
2 follows:

3  
4 **THE WITNESS:** My name's Leif Elgethun, and I'm  
5 here actually representing two organizations. The first is  
6 going to be Clean Lakes, Incorporated, the company I work  
7 for. I am their zebra and quagga mussel veliger services  
8 manager, and over the course of this past summer we've been  
9 providing early detection services to the Idaho State  
10 Department of Agriculture, as well as commencing design of a  
11 zebra and quagga mussel decontamination unit for prevention  
12 methods here in the state of Idaho, as well as the region.

13 My company has been providing aquatic ecosystem  
14 restoration and maintenance services for over 34 years,  
15 which has included aquatic invasive pest control in the West  
16 since the early '80s. This experience we've been using to  
17 conduct science and research of the zebra and quagga mussels  
18 and the imminent threat they pose to the Northwest region,  
19 in particular, the hydropower electric system here in the  
20 region.

21 It is our understanding that the Council has been  
22 briefed on the biology as well as the threat the mussels  
23 pose to our electrical system by Fred Nibling of the BOR  
24 Denver office, and we've also been in contact with Jim Ruff  
25 regarding some questions he has had about the zebra and

1 quagga mussels.

2 We'd like to commend you guys for your proactive  
3 approach to this particular part of the region's energy  
4 equation, and encourage you to continue your efforts to  
5 minimize the threat. However, we are concerned that an  
6 economic analysis be completed that takes the costs  
7 associated with mussel infestations and the costs associated  
8 with preventing their spread to the Northwest region during  
9 the Five-Year Action Plan and the 20-Year Plan.

10 We are concerned with this primarily because the  
11 rapid spread with which these things move. They didn't even  
12 cross, basically, the 180th meridian until two years ago --  
13 2007 -- when they were found in Lake Mead. Within two  
14 years, they have completely infested that lake, as well as  
15 much of the Colorado River, and they've been found as far  
16 north as Utah and some lakes in California. We're worried  
17 that if this isn't addressed in this Plan, by the time the  
18 Five-Year Plan or even the Midyear Plan -- or, the Midplan -  
19 - comes out, it may already be too late and we may already  
20 be playing catch-up.

21 And, you know, we encourage that the Sixth Power  
22 Plan include those costs associated with the possible mussel  
23 infestation throughout the Northwest region, and especially  
24 in the fully-connected Columbia River Basin, which serves a  
25 very large portion of our hydroelectric needs. And they may

1 only need to be in the high-case scenario, depending on your  
2 guys's expertise.

3 We also encourage that the Northwest Power and  
4 Conservation Council actively support all currently  
5 available prevention technologies and best case practices,  
6 and that they encourage their partners to continue  
7 developing our best defense against the mussels.

8 And for Clean Lakes, we'd like to again thank the  
9 Council for your efforts with the Draft Sixth Power Plan and  
10 their proactive attitude to this regional threat to our  
11 power supply.

12 I'm also going to give testimony on behalf of the  
13 Idaho Chapter of the US Green Building Council, on behalf of  
14 their board. I'd like to offer our organization's support  
15 of the Northwest Power and Conservation Council's Draft  
16 Sixth Power Plan.

17 The US Green Building Council, Idaho Chapter, is  
18 an organization of companies and individuals including  
19 architects, engineers, interior designers, landscape  
20 architects, government officials, developers, business  
21 owners, product manufacturers, attorneys, and students. Our  
22 mission is to accelerate the implementation of high-  
23 performance building concepts, technologies, and practices  
24 through education and advocacy.

25 Buildings are an essential element to the solution



1 to the energy, resource, and climate issues our country and  
2 region is facing. I think your guys's Sixth Power Plan  
3 acknowledges that, and I commend you guys for the effort you  
4 put into the ability of buildings to actually be a part of  
5 the solution.

6           The technology to make substantial reductions in  
7 energy use in buildings that already exist, your Plan  
8 acknowledges that. Modest investments in energy-saving  
9 technologies can yield buildings and communities that are  
10 significantly more profitable and healthier places to live  
11 and work.

12           Buildings annually account for about 39 percent of  
13 US primary energy use, 70 percent of US resource use, 12  
14 percent of water, and buildings consume about 40 percent of  
15 raw materials globally. The main part of this Power Plan,  
16 of course, is that energy use, which is 40 percent. If  
17 we're going to achieve the conservation and energy  
18 efficiency goals that you guys have laid out in your plan, I  
19 think the buildings will be a big part of that.

20           The Leadership in Energy and Environmental Design  
21 Green Building Rating System has been developed by the US  
22 Green Building Council, and is a nationally-accepted  
23 benchmark for the design, construction, and operation of  
24 high-performance buildings. It is a voluntary, consensus-  
25 based, national rating system for new and existing buildings

1 that promotes a whole building approach. The model  
2 conservation standards in the Draft Sixth Power Plan  
3 actually reference ASHRAE 90.1-2007 standards. LEED for new  
4 construction now requires a 12-percent improvement over this  
5 standard, and we think that the Draft Sixth Power Plan may  
6 want to look at updating their recommendation to 10 percent  
7 over the ASHRAE 90.1-2007 standard.

8 We wholeheartedly agree with the conclusion of the  
9 Sixth Power Plan, that the most cost effective and least  
10 risky resource for the region is approved efficiency of  
11 electricity use. Because of the higher cost of alternative  
12 generation sources, rapid-developing technology, and  
13 heightened concerns about global climate change,  
14 conservation holds a large potential for the region.  
15 Aggressive pursuit of this conservation and improved  
16 efficiency will delay investments in more expensive and  
17 uncertain forms of electricity. As the Draft Plan  
18 indicates, investments in additional transmission capability  
19 and improved operational agreements are also important for  
20 the region, both to assess growing site-based renewable  
21 energy, and to better integrate it into the power system.

22 The Pacific Northwest is expected to develop and  
23 expand over the next 20 years. Electricity use before  
24 accounting for new conservation is expected to grow by about  
25 1.3 percent per year. Residential and commercial sector

1 electricity use account for much of that growth in demand.  
2 All of this growth and energy demand must be met by a  
3 combination of existing resources, more efficient use of  
4 electricity, and new generation.

5           The Plan shows that a substantial amount of the  
6 growth in demand for electricity could be met by  
7 conservation. Analysis shows that over 5,800 average  
8 megawatts of conservation are cost effective in the Draft  
9 Plan, and conservation is the only resource that has no  
10 carbon emission costs, system integration costs, or  
11 transmission costs. In general, failure to achieve the  
12 conservation included in this Plan will increase both the  
13 cost and the risk of the power system.

14           The US Green Building Council, Idaho Chapter,  
15 strongly recommends that the Northwest Power and  
16 Conservation Council's Draft Sixth Power Plan be adopted,  
17 and we'd thank you again for the opportunity to present the  
18 views of our chapter.

19           **(The witness left the stand.)**

20           **COUNCILMEMBER YOST:** Thank you, Leif.

21           Ken Miller.

22

23 KEN MILLER, appearing as a public witness, testified as  
24 follows:

25

1           **THE WITNESS:** Good afternoon, Chairman -- or,  
2 Member Yost, and welcome back to Idaho, Member Eden and  
3 staff.

4           My name is Ken Miller. I am the -- I work on the  
5 energy -- Clean Energy Program at the Snake River Alliance,  
6 and currently serve as the chair of the Northwest Energy  
7 Coalition. My address is Box 1731 in Boise, at 83701.

8           On behalf of the Alliance, I first want to  
9 congratulate the Members and the staff of the Council for  
10 your extraordinary work on this Power Plan. As you've heard  
11 in prior public hearings elsewhere in the region, those of  
12 us who work on energy issues in the Northwest  
13 enthusiastically supported your Fifth Plan, and in  
14 particular the ambitious energy efficiency and conservation  
15 goals laid out in that Plan, goals that the region not only  
16 embraced but exceeded well ahead of schedule.

17           We believe the Draft Sixth Plan's efficiency goals  
18 are equally ambitious, but also equally attainable. The  
19 fact that our region can meet almost half of our new load  
20 through energy savings is remarkable, and testament to our  
21 collective desire for a clean energy future. In addition,  
22 the promise of meeting a balance of our new load growth  
23 through renewable energy is equally welcome as we transition  
24 to a new, clean energy economy.

25           Energy efficiency is the cornerstone of the

1 Alliance's energy program, but climate issues such as  
2 greenhouse gas emissions are thoroughly intertwined in our  
3 resource decisions. While Idaho has not established carbon  
4 reduction targets, the other three states in the region  
5 have. It is imperative that we take action not just to  
6 stabilize carbon emissions from our electricity generation,  
7 but actually reduce those emissions. This is where we  
8 believe there is still room for improvement in the Draft  
9 Sixth Plan.

10 We believe the Council should factor in the true  
11 environmental cost of the resources in its resource  
12 recommendations. In so doing, the Council can send  
13 unmistakable signals to our utilities that continued  
14 reliance on coal-fired generation at today's levels is not  
15 sustainable from an environmental standpoint, nor from a  
16 risk or a economic standpoint.

17 Most of us believe that some form of carbon  
18 regulation, whether through a tax or trade mechanism, is  
19 inevitable, either through the Western Climate Initiative or  
20 through federal regulation, or, quite likely, both. It is  
21 therefore critical that we, as a region, prepare for carbon  
22 constraints. The sooner we begin planning for that  
23 eventuality, the better off we'll be by embracing more  
24 affordable energy efficiency and clean resources.

25 We believe it's a moral imperative, as well as an

1 economic one. There's simply no way to obtain meaningful  
2 greenhouse gas emission reductions while keeping the  
3 region's existing coal fleet intact. Here in Idaho, our  
4 state's largest electric utility says it plans to respond to  
5 shareholders' demands by beginning to reduce its carbon  
6 emissions. If a utility like Idaho Power, which relies on  
7 coal for 40 percent or more of its generation, can make this  
8 commitment, then surely the Council, with its impressive  
9 record of environmental stewardship, can plot a course to do  
10 the same.

11           It won't come as a surprise, since I do work with  
12 the Northwest Energy Coalition, that we agree with the two  
13 recent studies that have been referenced early, bright  
14 future and the power of efficiency. Both of those reports  
15 illustrate how our region can wean itself of dirty coal  
16 plants, restore our endangered salmon runs, electrify our  
17 future vehicle fleets, and develop our rich renewable energy  
18 resources, while still maintaining our affordable and  
19 reliable electric power system.

20           And one thing came up to me when -- came to me -- when  
21 I was coming over here: I just read the most recent  
22 clearing up and there was an item which I think it was Terry  
23 Morlan who briefed the Council at last week's meeting in Sun  
24 Valley that there were a number of comments in favor of  
25 nuclear power, that spoke favorably of nuclear power. I

1 I guess I would offer a counterview in I guess if it weren't  
2 for nuclear power, we might not even be sitting here tonight  
3 given the history that the Council has with nuclear  
4 generation. It's our view that in the course -- or, the 20-  
5 year course or time frame of this Power Plan, that nuclear  
6 power is not an economic resource. We haven't dealt with  
7 the waste issues, and we certainly -- well, it just doesn't  
8 come -- it's not a time frame -- it could not be deployed on  
9 a time frame that is really acceptable in the time frame  
10 that's in this Power Plan.

11 So, I want to thank you for being here in Idaho,  
12 and we will be submitting more detailed comments in the very  
13 near future. Thank you.

14 **COUNCILMEMBER YOST:** Thanks, Ken.

15 **(The witness left the stand.)**

16 **COUNCILMEMBER YOST:** Liz Woodruff.

17  
18 LIZ WOODRUFF, appearing as a public witness, testified as  
19 follows:

20  
21 **THE WITNESS:** Hello. My name is Liz Woodruff,  
22 1414 East Hays, Boise, Idaho, 83712.

23 Councilmember Eden and Yost, thank you very much  
24 for the opportunity to testify before you today and offer  
25 support and congratulations to the Northwest Power and

1 Conservation Council for their emphasis on energy efficiency  
2 and conservation in this Draft Sixth Power Plan.

3 As others have noted and I will reaffirm, reports  
4 like those just referenced by Ken Miller from the Northwest  
5 Energy Coalition demonstrate the reality that we can secure  
6 a brighter future by making energy efficiency the first and  
7 fundamental approach to the forecasting and planning around  
8 energy policy in the Northwest region. The Council has  
9 wisely recognized this and released a Draft that underlies  
10 the need for increased energy efficiency as the first choice  
11 of a fossil fuel energy production, and we very much  
12 appreciate that.

13 I'd like to take a minute to just reference  
14 something that I haven't heard referenced tonight and I  
15 think is relevant in a cursory way but also an important  
16 way, especially since we have the opportunity to address an  
17 Idaho member, and that is that this emphasis on efficiency  
18 in the Draft Sixth Power Plan dovetails perfectly with the  
19 Idaho Energy Plan passed overwhelmingly by the Idaho  
20 Legislature during the 2007 session. So in the interim  
21 between your Fifth Power Plan and your Sixth Power Plan, the  
22 Idaho Legislature embraced a very similar tone, and I  
23 believe that the Northwest Power and Conservation Council  
24 helped to set that tone.

25 The Energy Plan passed by the Legislature took



1 months to develop, cost the State \$300,000, and put energy  
2 efficiency and renewable energy as the first resources of  
3 choice over fossil fuels. Among the many recommendations  
4 addressing the electrical sector was recommendation E-2,  
5 which asks the Idaho Public Utilities Commission to  
6 implement conservation and efficiency targets for all Idaho  
7 utilities by either setting those targets within the Public  
8 Utilities Commission or referring to the targets set by the  
9 Northwest Power and Conservation Council.

10 I share this for two reasons: First, to highlight the  
11 parallel work between the Northwest Power and Conservation  
12 Council and the Idaho Legislature, and to affirm to both of  
13 you that the emphasis on efficiency in the Draft Plan is a  
14 politically-accepted and feasible position across party  
15 lines in this state. In other words, the notion of  
16 efficiency as the first resource of choice is now a norm.  
17 It's no longer, you know, a notion designated to  
18 environmentalists. It's something that has been accepted  
19 across party lines throughout this state.

20 And, secondly, I mention this to demonstrate how  
21 state policy is intertwined with regional planning, and to  
22 point out that the Northwest Power and Conservation Council  
23 is held in very high regard by the Idaho Energy Plan and by  
24 the Idaho Legislature, as is demonstrated by the  
25 intertwining of the Northwest Power and Conservation Council

1 into the actual text of the Energy Plan.

2           So, the point is that what you all say matters in  
3 this state to the way policy is implemented, and it helps  
4 lay the groundwork for pushing us forward to secure reliable  
5 and affordable and safe energy in our region. So, thank you  
6 so much for your current approach and emphasis on energy  
7 efficiency. I believe it really was the platform from which  
8 that emphasis on energy efficiency has been normalized in  
9 this state.

10           And so with your influence in mind, I ask that you  
11 re-evaluate the role of this Plan in helping set more  
12 stringent carbon reduction goals for this region. As  
13 climate legislation moves federally, it is essential that  
14 Idaho is well-positioned to compete with a new climate  
15 centric marketplace. By aggressively addressing the need  
16 for carbon reduction through recommending the phasing out of  
17 fossil fuel plants, the integration of a realistic  
18 assessment of carbon costs for utilities into the plan, and  
19 by highlighting a need for a robust integration of renewable  
20 energy, you can help Idaho prepare itself to address this  
21 new carbon centric/climate centric economy. And I hope you  
22 will re-evaluate the approach to carbon reduction goals in  
23 the Plan.

24           Thank you very much. (The witness left the  
25 stand.) .

1           **COUNCILMEMBER YOST:** Thank you, Liz.

2           Betsy Bridge.

3  
4           BETSY BRIDGE, appearing as a public witness, testified as  
5 follows:

6  
7           **THE WITNESS:** Hi, my name is Betsy Bridge, and I  
8 am the energy efficiency associate and an attorney for the  
9 Idaho Conservation League. Our address is 710 North Sixth  
10 Street, Boise, Idaho.

11           Thank you for this opportunity to comment on this  
12 Sixth Power Plan. I just have three very brief points to  
13 make.

14           The first, as you are probably well aware,  
15 efficiency is the cleanest, quickest, and safest way to meet  
16 our growing energy needs, so to begin I just want to  
17 congratulate you and thank you for the Council proposing to  
18 meet growth and electricity demand with energy efficiency  
19 and renewables. It's a very attainable and affordable goal,  
20 and I also believe it will help spur economic development in  
21 the region.

22           The second point I'd like to make is that the  
23 Sixth Power Plan must address the reduction of greenhouse  
24 gases, not just their stabilization, and in order to do so  
25 we must start phasing out the coal plants in the region.

1 This is also an affordable and attainable goal. As I think  
2 was quoted earlier this evening, according to the Council  
3 staff, the impact on rates would be between seven and 13  
4 percent. This is a very negligible amount over 20 years.  
5 And being that this is such a small impact in rates, I think  
6 it's important to remember that the cost of mitigating  
7 climate change now will be much lower than adapting to  
8 climate change in the future.

9 My third point: The Council also needs to provide a  
10 projected cost for greenhouse gas pollution in their  
11 resource planning for utilities to use in their resource  
12 planning. Whether it's in the form of a cap in trade, a  
13 carbon tax, regulation under the Clean Air Act, carbon will  
14 carry a heavy price in the future. The Council is the lead  
15 policy maker for energy issues in the region, so it is  
16 imperative that the Sixth Power Plan include a carbon cost.

17 That's all I have for this evening. Thank you  
18 very much.

19 **(The witness left the stand.)**

20 **COUNCILMEMBER YOST:** Thank you, Betsy.

21 Lou Landry.

22

23 LOU LANDRY, appearing as a public witness, testified as  
24 follows:

25 **THE WITNESS:** Hello. Do you need my address? Is

1 that part of the protocol here?

2 **COMMISSIONER YOST:** It's part of the protocol. If  
3 you don't want to give it --

4 **THE WITNESS:** Oh, not a problem. I just didn't  
5 know.

6 The name is Lou Landry, and I live in Boise at 915  
7 South Phillippi, and that's 83705.

8 I come as a citizen. I am on the board of the  
9 Snake River Alliance, but primarily, I come here as a  
10 citizen.

11 And just as a point of reflection, years ago I got  
12 interested in a poet by the name of Gary Snyder who's also  
13 an essayist on the environment, and he called people to  
14 understand their bioregion, to understand the watershed:  
15 Where does your water come from and where does it go once  
16 you've used it and the community has used it? And it made  
17 me also think about where do you get your juice? Every time  
18 you put on a light or turn on the blender, where did it come  
19 from and who or what paid the price? And just as a citizen  
20 as I looked at it and I thought, well, every time I do this  
21 I guess salmon pay a price for it, it looks like, as best I  
22 can understand that debate on hydro.

23 And then as I looked at living in Ada County and  
24 where Idaho Power -- and I did become a stockholder so I  
25 could get information and show up at the stockholders'

1 meeting. I'm now retired and so I have a little time to  
2 look at these things and try to be a responsible citizen.  
3 And then I realize, well, part of the price is paid for by  
4 the people who live in Wyoming and I guess further east  
5 where we have coal, where we buy a lot of our coal-generated  
6 power.

7 So that made me think about what is going on and so I  
8 learned about your group, and it's sort of intriguing, your  
9 role. I think I just have a little bit of an understanding  
10 of it. So I appreciate what I've heard in terms of really  
11 emphasizing efficiencies. Give you an example:

12 I'm building a house. I'm acting as the  
13 owner/contractor. And I've been doing I call it "green on a  
14 budget," and how do I be as responsible as I can, and I'll  
15 tell you what, it's not easy. It's not easy to get great  
16 information. There's very conflicting information. And so  
17 as we think about the new housing stock and getting  
18 information out I think primarily to contractors -- but I am  
19 going to be part of the Energy Star system and I have an  
20 Energy Star consultant or certifier or whatever that will  
21 help me -- it just seems, to me, that we could do a much  
22 better job of helping folks as we start to build homes think  
23 about that long life cycle and how we can really make it  
24 efficient. That's one thing that occurred to me.

25 But the other thing that really occurred to me in

1 terms of your plan is to think about what kind of leadership  
2 the Northwest should have regarding alternatives and  
3 renewables. I just think of us as an area with such amazing  
4 resources for renewable energy, and I would just ask you is  
5 that really strongly emphasized enough in your Plan?

6           As I started to learn a little bit about Idaho  
7 Power I learned this thing about base capacity, and then it  
8 spiking up, these needs that sort of spike up on those hot  
9 summer days, those 100-degree days that can go on for weeks  
10 here at times, and the irrigation and the air conditioners  
11 go on; and I'm wondering why there aren't more incentives to  
12 get solar power on the roofs of the houses to help out. It  
13 just looks simple to me and I don't see it there. And maybe  
14 that's not in your role, but I wonder about it.

15           I also, as a citizen, hear things about melting  
16 ice caps and melting glaciers in Tibet and water shortages,  
17 and I wonder are you being aggressive enough as we need to  
18 look at reducing our carbon. I don't know, but I assume  
19 that we may have a major problem on our hands as citizens,  
20 and I'm wondering is your Plan aggressive enough in that  
21 area.

22           And the other thing, in terms of whether or not  
23 nuclear is in our future, I remember a while back when they  
24 started to talk about pork as being the new white meat, and  
25 I think there's a certain kind of magical thinking about

1 this thing called clean coal and clean nuclear. Everything  
2 that I've seen sort of doesn't talk about what I experienced  
3 when I lived out in Gallup, New Mexico, where uranium was  
4 being mined and the tailings were blowing around the Navajo  
5 reservations in the dust and the kinds of cancers that were  
6 being picked up, or when the tailings pond at Church Rock  
7 broke and nuclear effluent moved down the Rio Puerco all the  
8 way to Saint Johns, Arizona. And I don't believe the  
9 industry has gotten that much better. So I really have  
10 doubts about this thing called clean nuclear and that that's  
11 our solution.

12 So, whatever leadership and vision that you have  
13 for us in terms of improving efficiencies and the use of  
14 alternatives and renewables, I'd really appreciate it.

15 Thank you. Thank you for your time.

16 **(The witness left the stand.)**

17 **COUNCILMEMBER YOST:** Thanks, Lou.

18 That's all that's signed up that I have or  
19 indicated that they wanted to testify. If there's anyone  
20 else that has signed in that wants to say something, you're  
21 welcome to do that.

22 Bert Bowler.

23 **MR. BOWLER:** My leg went to sleep. Hopefully I'm  
24 not asleep myself.

25



1 BERT BOWLER, appearing as a public witness, testified as  
2 follows:

3

4 **THE WITNESS:** Thank you, members of the Council.  
5 My name is Bert Bowler, and I represent Snake River Salmon  
6 Solutions at 910 Main Street, Suite 233, Boise, 83702.

7 I also would like to reiterate congratulations on  
8 putting together a well-crafted Plan, and myself as an  
9 advocate for dam removal, primarily to promote dialogue in  
10 the Northwest on efficacy of the opportunities for dam  
11 removal and recovering salmon. It's a huge issue right now.  
12 We're awaiting for a judge's response on the biological  
13 opinion. But I'd just like to say, Good job, Council, on  
14 looking at the economics of dam removal, putting that in  
15 your modeling, and I think that's really a first step  
16 because we really need to engage in that issue and hopefully  
17 from -- through the Sixth Power Plan and beyond, we will be  
18 in a regional dialogue on the whole issue of the efficacy of  
19 removing Lower Snake dams, replacing the power, and  
20 recovering salmon and the economy in the Northwest. And I  
21 think it's a great start that you actually gave that much  
22 attention to the model runs talking about Lower Snake dam  
23 removal.

24 Thank you.

25 **(The witness left the stand.)**

1           **MR. YOST:** Thanks, Bert.

2           There was someone else?

3  
4 JEFF BURNS, appearing as a public witness, testified as  
5 follows:

6  
7           **THE WITNESS:** Good evening. My name is Jeff  
8 Burns. I'm the director of business development for  
9 Renewable Energy Resources, 5920 West Victory Road, Boise,  
10 Idaho, 83709.

11           Excuse me. First off -- excuse me -- I'd like to  
12 applaud the Council's efforts on the Sixth Power Plan. I  
13 look forward to sitting back and watching how this process  
14 progresses, and hopefully a favorable outcome for all  
15 involved.

16           In my role as director of business development for  
17 Renewable Energy Resources -- by the way, we do small wind,  
18 solar, being solar PV and solar thermal, as well as  
19 geothermal heating and cooling systems for residential,  
20 commercial, and agricultural customers. But in my role, I  
21 am in the trenches every day trying to help people obtain  
22 renewable energy for their homes, farms, and businesses.  
23 I'm aware of the cost concerns involving renewable energy; I  
24 hear them every day. That's probably one of the major  
25 obstacles I face in growing what we do as a business. But I

1 do believe as renewable energy does become more readily  
2 available, that prices will come down, hopefully.

3 And so just to kind of put into perspective what we're  
4 doing here, I'd like to kind of offer you the following:

5 In the 1950s, people were looking for more  
6 efficient ways to move from Point A to Point B, and thus the  
7 federal interstate highway system was built.

8 In the 1990s, people were out there looking for  
9 more efficient ways to obtain and transfer information, and  
10 thus the World Wide Web, or better known as the Internet,  
11 was built.

12 Here in 2009, approaching 2010, we're again  
13 looking for a better, faster, cheaper way, and this time has  
14 to do with energy. We are working on building a smart  
15 energy grid and all of the associated energy efficiencies  
16 and renewable energy measures to support it. This is a  
17 major paradigm shift in how we use and generate energy. It  
18 is not an easy task what you're doing, but I think you're  
19 doing a very good job.

20 The results of the smart grid should be an  
21 improved quality of life for everyone, just as driving on  
22 our freeways and using the Internet has made life better for  
23 all Americans. And in terms of making life better, I think  
24 one major thing stands out, and that is job creation. If we  
25 look at the three analogies I gave you, with the freeways,

1 we're still out there building and maintaining roads,  
2 particularly here in Idaho it seems. With the Web and the  
3 Internet, we've seen a prosperous IT industry develop with  
4 companies like Google, Yahoo, Microsoft. My hope is that  
5 with the development of a smart grid and the associated  
6 renewable energy and conservation measures that come with  
7 it, we will also see a major job-based creation that will  
8 allow for years to come people to have well-paying and  
9 stable jobs to support their families.

10 Thank you for this opportunity to speak with you.

11 **(The witness left the stand.)**

12 **COUNCILMEMBER YOST:** Thank you, Jeff.

13 Anyone else who would like to make a comment? Yes.

14  
15 STEVE HOWE, appearing as a public witness, testified as  
16 follows:

17  
18 **THE WITNESS:** Yeah, I'm Steve Howe, and I'm with  
19 Renewable Energy Solutions. I think the focus on  
20 conservation is fantastic, it's excellent. I've got only  
21 two or three comments.

22 One, this graph that shows available resources by  
23 cost, I'm wondering if you have a similar one of available  
24 resources by CO2 production for comparison, if you've got  
25 that sort of analysis.

1 And then, from -- oh, my address is 2682  
2 Peregrine, here in Boise.

3 And then I'm wondering whether or not it makes  
4 sense to have as a -- as a goal CO2 reduction. I think I  
5 echo a number of people's comments on that. And then a  
6 baseline to know where we are now. Maybe we know that  
7 already. Maybe we know what CO2 production we've got.

8 And then I'd like to echo the comments of  
9 establishing a reduction goal and then measurement towards  
10 that goal from a -- from an engineering point of view. I  
11 think that's a -- that sort of plan would set us on the path  
12 for reduction of CO2 emissions over a period of time.

13 And the last comment I've got is that coal-fired  
14 power plants, while one concern is CO2 emissions, there are  
15 also a number of other both air and water quality issues  
16 that are associated with CO2 production or energy production  
17 via coal, and I should just mention those and enter those in  
18 as a comment.

19 Thank you.

20 **(The witness left the stand.)**

21 **COUNCILMEMBER YOST:** Thanks, Steve.

22 The rest of you don't need to be bashful. We're  
23 here to hear what you have to say. Anyone else have a  
24 comment or would like to make a comment?

25 I don't see anyone. Well, we were scheduled to

1 have the hearing go till six o'clock. We're going to go  
2 till six o'clock, but right now we're going to -- we'll take  
3 a short recess and if others decide they want to make a  
4 comment or we have some other folks arrive that want to make  
5 a comment, we'll come back into session.

6 And, so, we'll be recessed until we get some more  
7 customers.

8 **(Recess.)**

9 **COUNCILMEMBER YOST:** We'll reconvene. We have --  
10 one more individual has requested an opportunity to present  
11 us some comments, so we'll -- now we will hear from Hans  
12 Glenn.

13

14 HANS GLENN, appearing as a public witness, testified as  
15 follows:

16

17 **THE WITNESS:** Hello. I just want to applaud the  
18 Council's efforts and just mention that I'd like to see  
19 reduced CO2 emission goals, time lines, strategies, and  
20 methods, something along those lines, that look at solutions  
21 to reduction.

22 I also want to reiterate the need for, you know,  
23 conservation efforts and energy efficiency, and the economic  
24 and environmental benefits that those conservation and  
25 efficiency bring.

1 That's all I had. Thanks.

2 **COUNCILMEMBER YOST:** Thanks, Hans.

3 **(The witness left the stand.)**

4 **COUNCILMEMBER YOST:** Does the Commissioner want to  
5 testify? Lou?

6 **MR. LANDRY:** Do you have time? Could I add one  
7 thing?

8 **COUNCILMEMBER YOST:** Lou, come up to the  
9 microphone and I'll let you add to your comments that you  
10 made earlier.

11 LOU LANDRY, reappearing as a public witness, further  
12 testified as follows:

13 **THE WITNESS:** Thank you. I had not seen your  
14 brochure. Lou Landry, and you have my address, 915 South  
15 Phillippi.

16 When it talks about your role, the principle  
17 duties of the Council, and number three is to provide for  
18 broad public participation in these processes and inform the  
19 Northwest public about regional energy issues, and I may be  
20 way, way, way out of the loop so that maybe you're doing so  
21 much more than I could comprehend in terms of informing the  
22 public, but I started out with that notion of what this  
23 essayist I've been very influenced by, this fellow named  
24 Gary Snyder, in terms of understand your bioregion,  
25 understand your water. If you would like the public to be

1 really knowledgeable, are there ways that you might consider  
2 that public information role so that the broader public  
3 understands what it means to turn on the switch? And I know  
4 that there's a lot of competing interest for people's time  
5 and their level of energy and attention, but it seems to me  
6 these are critical issues in our society, and we're a  
7 society where a lot of people have got an opinion.

8           And I watch TV and I watch the coal industry doing  
9 some big public information about clean coal and selling  
10 people on this notion of clean coal, and maybe there is  
11 something called clean coal. I'm kind of doubtful.

12           But just at a very fundamental level, I would say  
13 what are you all doing to inform the public about where  
14 their energy sources are and what the trade-offs are in  
15 terms of the various big decisions we make?

16           Thank you.

17           **COUNCILMEMBER YOST:** Thank you.

18           **(The witness left the stand.)**

19           **MR. YOST:** Anyone else have anything for the good  
20 of the order?

21           Well, I'm going to stay here until six o'clock,  
22 but I think I'll adjourn the hearing right now. Thank you.

23           **(The hearing adjourned at 5:56 p.m.)**

24

25



## 1 AUTHENTICATION

2  
3 This is to certify that the foregoing is a true and correct  
4 transcript to the best of my ability of the proceedings  
5 in the matter of the Northwest Power and Conservation  
6 Council Draft Sixth Power Plan Public Meeting, commencing  
7 Tuesday, October 13, 2009, at the JR Williams Building,  
8 of Mirrors, 700 West State Street, Boise, Idaho, and the  
9 original thereof for the file of the Council.  
10  
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13  
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15 \_\_\_\_\_  
16

17 WENDY J. MURRAY, Notary Public in and for the State of  
18 Idaho, residing at Meridian, Idaho.

19  
20 My Commission expires 2-8-2014.

21 Idaho CSR No. 475  
22  
23  
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27:10	21:18	56:23	<b>affordably</b>	36:5
27:15	<b>addition</b>	<b>adjustment</b>	28:6	36:8
31:9	10:1	17:16	<b>afternoon</b>	45:9
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9:21	8:3	<b>administra</b>	<b>agencies</b>	25:21
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14:23	11:24	<b>adopt</b>	<b>aggressive</b>	<b>allowing</b>
32:4	34:18	26:12	34:15	12:8
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23:4	14:8	35:16	<b>aggressive</b>	26:1
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42:1	19:23	15:18	<b>ago</b> 5:21	31:19
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53:7	16:9	44:23	30:15	12:21
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16:3	<b>analyst</b>	<b>applaud</b>	15:15	31:22
47:2	5:21	20:20	16:1	51:15
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51:23	48:19	46:10	<b>ASHRAE</b>	10:25
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13:8	53:25	15:13	<b>asleep</b>	<b>assure</b>
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35:5	<b>appearing</b>	42:22	7:13	43:19
44:4	11:10	<b>approachin</b>	34:20	44:1
<b>analogies</b>	14:3	<b>g</b> 51:12	<b>assessment</b>	<b>attempting</b>
51:25	17:23	<b>approved</b>	42:18	13:5
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28:4	30:1	<b>approximat</b>	43:8	49:22
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	<b>Basin</b> 31:24	<b>Bert</b> 48:22 49:1	<b>biology</b>	<b>Boise</b> 3:19 11:14 14:9 25:6 36:7 39:22 43:10 45:6 49:6 50:9 53:2
	<b>basis</b> 28:19 29:14			<b>Bonneville</b> 8:15
	<b>bear</b> 16:8			<b>Booth</b> 3:11
	<b>become</b> 28:1 28:19 28:24 29:13 45:24 51:1			
	<b>begin</b> 5:22			

<b>BOR</b> 30:23	55:14	50:8	16:16	<b>carries</b>
<b>Boulevard</b>	<b>broke</b> 48:7	50:16	16:18	8:25
25:6	<b>bucket</b>	50:25	16:22	<b>carry</b>
<b>Bowler</b>	10:23	<b>businesses</b>	16:23	44:14
48:22	<b>budget</b>	50:22	16:25	<b>case</b>
48:23	46:14	<b>buy</b> 46:5	22:17	11:3
49:1	<b>build</b>	_____	23:9	19:3
49:5	46:22	C	23:16	23:14
<b>Box</b>	<b>building</b>	<b>California</b>	26:1	32:5
11:14	21:11	31:16	26:7	<b>cases</b> 9:15
36:7	32:13	<b>cancers</b>	27:2	<b>catch-up</b>
<b>Bridge</b>	32:17	48:5	35:10	31:20
43:2	32:23	<b>cap</b> 16:7	37:3	<b>caused</b>
43:4	33:21	44:12	37:6	27:1
43:7	33:22	<b>capability</b>	37:17	<b>causing</b>
<b>brief</b>	34:1	10:7	37:21	8:17
43:12	35:14	34:18	38:5	<b>central</b>
<b>briefed</b>	46:12	<b>capacity</b>	42:12	3:25
30:22	51:14	8:20	42:16	5:20
38:23	52:1	15:5	42:18	<b>centric</b>
<b>briefly</b>	<b>buildings</b>	24:8	42:21	42:15
7:16	32:25	24:12	42:22	42:21
13:19	33:4	24:18	44:13	<b>centric/</b>
<b>bright</b>	33:7	24:18	44:13	<b>climate</b>
28:5	33:9	47:7	44:16	42:21
38:13	33:12	<b>caps</b> 47:16	47:18	<b>carbon-</b>
<b>brighter</b>	33:14	<b>carbon</b>	<b>free</b>	42:21
40:6	33:19	7:20	12:19	<b>certain</b>
<b>bring</b>	33:24	7:20	26:4	13:12
29:13	33:25	7:22 8:8	<b>carbon-</b>	23:21
54:25	<b>built</b> 20:5	9:1	<b>generati</b>	47:25
<b>broad</b>	23:12	9:5	<b>on</b> 16:3	<b>certainly</b>
55:18	51:7	9:7	<b>carbon-</b>	39:7
<b>broader</b>	51:11	9:9 9:11	<b>producin</b>	<b>certifier</b>
19:20	<b>Burns</b> 50:4	12:15	<b>g</b> 16:5	46:20
56:2	50:8	12:16	<b>care</b> 3:17	<b>cetera</b>
<b>brochure</b>	<b>business</b>	12:23	<b>carefully</b>	27:22
	32:20	15:13	5:2	29:4
				29:4

<b>chair</b> 36:6	35:18	56:9	20:25	<b>collected</b>
<b>Chairman</b>	<b>chart</b> 26:4	56:10	25:21	6:5 7:12
36:1	<b>cheaper</b>	56:11	26:3	<b>collecting</b>
<b>challenge</b>	51:13	<b>cleanest</b>	26:10	5:24
8:14	<b>Chinden</b>	43:15	26:14	<b>collective</b>
22:24	25:6	<b>clearing</b>	26:15	36:21
<b>challenges</b>	<b>choice</b>	38:22	26:22	<b>Colorado</b>
13:21	40:10	<b>climate</b>	28:6	31:15
19:13	41:3	16:14	38:3	<b>Columbia</b>
19:16	41:16	26:8	38:7	31:24
19:18	<b>choices</b>	26:17	38:15	<b>combinatio</b>
19:22	28:13	28:11	43:25	<b>n</b> 35:3
19:23	<b>Church</b>	33:1	46:5	<b>Combined</b>
21:3	48:6	34:13	48:1	11:20
21:8	<b>circumstan</b>	37:1	53:17	<b>comes</b>
21:9	<b>ces</b>	37:19	56:8	19:10
22:5	20:23	42:13	56:9	31:19
23:2	<b>citizen</b>	42:14	56:10	<b>coming</b>
<b>chance</b>	45:8	44:7	56:11	38:21
20:12	<b>citizens</b>	44:8	<b>coal-fired</b>	<b>commencing</b>
<b>change</b>	45:10	<b>CO2</b>	37:14	30:10
19:25	45:19	15:13	53:13	<b>commend</b>
20:2	46:2	15:19	<b>coal-</b>	31:2
21:10	47:15	16:12	<b>generate</b>	33:3
22:12	<b>citizens</b>	17:14	<b>d</b> 46:5	<b>comment</b>
23:11	47:19	23:17	<b>Coalition</b>	3:14
34:13	<b>clean</b>	26:24	25:5	4:17
44:7	25:13	52:24	25:8	4:18
44:8	28:8	53:4	36:7	4:22 5:9
<b>changes</b>	30:6	53:7	38:12	11:23
28:15	32:8	53:12	40:5	11:24
<b>changing</b>	36:5	53:14	<b>codes</b>	13:19
15:4	36:21	53:16	21:11	24:21
19:14	36:24	54:19	<b>cold</b>	43:11
20:5	37:24	<b>coal</b>	5:16	52:13
<b>chapter</b>	44:13	7:10 9:1	8:13	53:13
32:13	48:1	9:8 9:13	<b>collaborat</b>	53:18
32:17	48:1	9:14	<b>ive</b> 18:9	53:24
35:14	48:10	16:12		
		17:14		

53:24	<b>communitie</b>	29:4	36:9	33:17
54:4	<b>s</b> 33:9	<b>concentrat</b>	43:17	34:2
54:5	<b>community</b>	<b>ed</b> 17:6	<b>congratula</b>	34:14
<b>comments</b>	45:16	<b>concept</b>	<b>tions</b>	34:15
3:8 3:17	<b>companies</b>	29:6	14:12	34:24
4:4 4:24	32:18	<b>concepts</b>	18:5	35:7
4:25 5:8	52:4	32:23	24:20	35:8
10:15	<b>company</b>	<b>concern</b>	39:25	35:9
15:2	30:6	53:14	49:7	35:12
38:24	30:13	<b>concerned</b>	<b>consensus</b>	35:16
39:12	<b>comparativ</b>	28:20	33:24	36:14
52:21	<b>e</b>	31:5	<b>conservati</b>	40:1
53:5	15:17	31:10	<b>on</b> 3:8	40:2
53:8	16:10	<b>concerns</b>	3:11 4:9	40:23
54:11	<b>compared</b>	13:1	4:11 6:1	41:6
55:9	25:20	13:11	7:9 7:17	41:9
<b>commercial</b>	<b>comparison</b>	13:17	7:18	41:11
34:25	52:24	34:13	7:20	41:22
50:20	<b>compete</b>	50:23	9:23	41:25
<b>Commission</b>	42:14	<b>conclusion</b>	10:12	43:9
41:5	<b>competing</b>	34:8	13:1	52:6
41:8	56:4	<b>conditione</b>	13:2	52:20
<b>Commission</b>	<b>competitiv</b>	<b>rs</b> 47:10	13:5	54:23
<b>er</b>	<b>e</b> 8:4	<b>conditions</b>	13:8	54:24
45:2	28:25	13:14	13:10	<b>consider</b>
55:4	<b>completed</b>	27:21	20:1	56:1
<b>commitment</b>	31:6	<b>conduct</b>	21:8	<b>considered</b>
38:8	<b>completely</b>	30:17	22:17	5:2
<b>Committee</b>	31:14	<b>Conference</b>	22:19	<b>consistent</b>
18:3	<b>compliment</b>	18:3	22:23	13:16
18:20	19:1	<b>confirm</b>	25:16	26:7
<b>committees</b>	<b>compliment</b>	28:4	27:11	<b>constraint</b>
6:4	<b>ed</b> 22:11	<b>conflictin</b>	27:15	<b>s</b> 37:22
<b>communicat</b>	<b>comprehend</b>	<b>g</b> 46:16	27:20	<b>constructi</b>
<b>ing</b>	55:21	<b>congratula</b>	28:10	<b>on</b> 33:23
19:20	<b>computers</b>	<b>te</b> 14:18	28:21	34:4
<b>communicat</b>			29:7	<b>consultant</b>
<b>ion</b> 24:4			29:12	46:20
			32:4	<b>consume</b>
			32:15	



33:14	<b>cooperativ</b>	22:9	33:22	39:16
<b>Consumer-</b>	<b>es</b> 11:19	22:12	35:14	39:23
<b>Owned</b>	<b>cornerston</b>	27:9	36:9	43:1
11:14	<b>e</b> 36:25	31:6	37:10	44:20
11:18	<b>Correct</b>	31:7	37:12	48:17
<b>consumers</b>	10:16	31:22	38:8	52:12
11:21	<b>cost</b> 7:8	35:10	38:23	53:21
12:1	8:4	35:10	39:3	54:9
15:23	8:6 8:24	35:11	40:1	55:2
21:10	10:2	42:18	40:8	55:4
<b>contact</b>	14:17	<b>Council</b>	40:23	55:8
30:24	15:19	3:8	41:9	56:17
<b>continue</b>	16:6	3:9 3:11	41:12	<b>Councilmem</b>
10:10	16:8	4:9 4:11	41:22	<b>bers</b>
31:4	20:1	4:14	41:25	3:17
32:6	25:17	4:15	43:17	5:22
<b>continued</b>	26:13	4:17	44:2	14:13
27:1	27:4	4:19 5:2	44:9	<b>Council's</b>
37:13	27:6	6:7 6:24	44:14	4:9
<b>contractor</b>	34:9	8:3 9:18	49:4	5:1
<b>s</b> 46:18	34:11	9:24	49:13	5:7
<b>contribute</b>	35:8	10:5	55:17	7:2 13:7
<b>s</b> 7:23	35:13	10:10	<b>Councilmem</b>	26:12
<b>control</b>	37:11	12:2	<b>ber</b>	27:15
15:13	41:1	13:16	3:5 3:15	28:2
16:22	44:6	17:13	3:21	32:15
16:23	44:10	18:11	10:16	35:16
17:1	44:16	25:9	10:18	50:12
30:15	50:23	26:4	10:21	54:18
<b>conversati</b>	52:23	26:12	10:22	<b>countervie</b>
<b>on</b> 21:14	<b>cost-</b>	26:15	11:4	<b>w</b> 39:1
29:11	<b>effectiv</b>	27:2	11:6	<b>countries</b>
<b>conversati</b>	<b>e</b> 6:19	27:5	13:24	29:2
<b>ons</b>	12:6	27:19	14:1	29:8
23:18	25:18	28:4	17:20	<b>country</b>
<b>cooling</b>	<b>costs</b> 6:12	28:10	24:22	16:1
50:19	7:8 7:13	30:21	24:24	28:21
	12:21	32:4	29:22	28:24
	22:7	32:9	29:24	28:25
		32:13	35:20	29:15
		32:17	39:14	

33:1	<b>critical</b>	<b>damage</b>	20:8	<b>describing</b>
<b>County</b>	12:11	27:1	<b>defining</b>	19:17
45:23	12:24	<b>dams</b> 12:23	23:16	22:4
<b>couple</b> 6:5	37:21	49:19	<b>delay</b>	<b>design</b>
7:15	56:6	<b>data</b>	34:16	30:10
19:3	<b>cross</b>	5:24	<b>delivers</b>	33:20
20:10	31:12	18:22	27:7	33:23
20:11	<b>Cs</b> 22:17	<b>date</b> 22:21	<b>demand</b>	<b>designated</b>
20:16	<b>current</b>	23:22	5:24	41:17
22:15	13:14	<b>day</b> 17:2	24:7	<b>designers</b>
24:3	20:4	50:21	25:11	32:19
24:11	28:23	50:24	35:1	<b>desire</b>
<b>course</b>	42:6	<b>days</b>	35:2	4:25
6:14	<b>currently</b>	47:9	35:6	36:21
8:11	9:5 32:4	47:9	43:18	<b>detail</b>
9:18	36:6	<b>deadline</b>	<b>demands</b>	18:22
10:10	<b>cursor</b>	11:24	22:2	<b>detailed</b>
26:4	40:15	<b>deal</b> 23:5	38:5	39:12
30:8	<b>curve</b>	<b>dealing</b>	<b>demonstrat</b>	<b>detection</b>
33:16	7:7	23:10	<b>e</b> 40:5	30:9
38:9	21:20	<b>dealt</b> 39:6	41:20	<b>develop</b>
39:4	<b>customer</b>	<b>debate</b>	<b>demonstrat</b>	4:11
39:5	20:6	45:22	<b>ed</b> 41:24	6:20
<b>create</b>	<b>customers</b>	<b>decide</b>	<b>Denver</b>	7:14
20:21	19:25	54:3	30:24	13:12
27:14	20:2	<b>decisions</b>	<b>Department</b>	24:17
29:12	50:20	5:3	30:10	28:8
<b>created</b>	54:7	12:25	<b>depending</b>	34:22
18:15	<b>cycle</b>	37:3	8:6 32:1	38:17
<b>creates</b>	46:23	56:15	<b>deployed</b>	41:1
19:20	<hr/>	<b>decontamin</b>	39:8	52:3
21:1	D	<b>ation</b>	<b>describe</b>	<b>developed</b>
<b>creating</b>	<b>dam</b>	30:11	24:6	10:3
5:23	12:17	<b>defense</b>	24:9	33:21
18:9	49:9	32:7	<b>describes</b>	<b>developers</b>
<b>creation</b>	49:10	<b>define</b>	12:14	32:20
51:24	49:14		12:18	<b>developing</b>
52:7	49:22			26:5

32:7	18:14	56:11	27:20	31:6
<b>developmen</b>	<b>directs</b>	<b>doubts</b>	<b>DUNN</b> 11:2	37:16
<b>t</b>	4:11	48:10	<b>during</b>	38:1
25:23	<b>dirty</b>	<b>dovetails</b>	8:13	39:6
43:20	25:21	40:18	17:5	43:20
50:8	26:3	<b>Draft</b> 4:16	31:8	54:23
50:16	26:11	4:18	40:20	<b>economics</b>
52:5	38:15	4:20 5:6	<b>dust</b> 48:5	49:14
<b>devoted</b>	<b>disappoint</b>	5:9	<b>duties</b> 7:2	<b>economy</b>
5:9	<b>ed</b> 20:15	22:11	55:17	28:9
<b>dialogue</b>	<b>discuss</b>	22:18	<hr/>	28:24
49:9	3:8	25:19	<hr/>	36:24
49:18	13:21	25:24	<b>E</b>	42:21
<b>Dick</b> 17:23	<b>discussed</b>	26:12	<b>E-2</b> 41:4	49:20
18:1	9:6	27:10	<b>earlier</b>	<b>ecosystem</b>
24:22	<b>discussion</b>	28:12	21:7	30:13
<b>differ</b>	12:13	32:9	21:23	<b>Eden</b>
12:9	20:19	32:15	44:2	3:13
<b>different</b>	22:7	34:2	55:10	3:15
20:21	<b>disregards</b>	34:5	<b>early</b> 24:4	3:21
20:23	27:1	34:17	30:9	5:15
22:13	<b>distribute</b>	35:8	30:16	10:18
23:4	13:13	35:16	38:13	10:21
23:4	<b>doable</b>	36:17	<b>east</b> 39:22	11:16
23:6	26:15	37:8	46:4	18:19
23:10	<b>dog</b> 17:11	40:2	<b>easy</b>	36:2
23:12	<b>doldrums</b>	40:9	19:7	39:23
23:18	28:22	40:18	46:15	<b>education</b>
<b>dioxide</b>	<b>dollars</b>	41:13	46:15	32:24
9:9	22:8	<b>dramatical</b>	51:18	<b>effective</b>
<b>directed</b>	<b>done</b> 14:12	<b>ly</b> 15:7	<b>echo</b>	8:6 8:24
5:22	15:6	<b>Drive</b> 14:9	53:5	10:2
<b>director</b>	17:18	<b>driving</b>	53:8	34:9
11:17	22:21	51:21	<b>economic</b>	35:8
18:2	24:12	<b>dropped</b>	13:14	<b>effectivel</b>
50:8	29:16	28:22	16:24	<b>y</b> 16:4
50:16	<b>doubtful</b>	<b>due</b> 12:17	23:11	<b>effectiven</b>
<b>directors</b>			27:21	<b>ess</b> 20:1
			28:22	

<b>effects</b>	41:16	38:4	53:23	42:8
21:5	42:7	38:19	56:19	<b>emphasized</b>
<b>efficacy</b>	42:8	<b>electrical</b>	<b>elsewhere</b>	47:5
49:10	43:8	30:23	36:11	<b>emphasizin</b>
49:18	43:15	41:4	<b>embrace</b>	<b>g</b> 46:11
<b>efficienci</b>	43:18	<b>electricit</b>	18:17	<b>encourage</b>
<b>es</b> 46:11	54:23	<b>y</b> 5:24	<b>embraced</b>	31:4
48:13	54:25	5:25	36:16	31:21
51:15	<b>efficient</b>	9:11	40:22	32:3
<b>efficiency</b>	35:3	19:14	<b>embracing</b>	32:6
13:5	46:24	19:16	37:23	<b>endangered</b>
14:14	51:6	34:11	<b>emission</b>	28:8
14:15	51:9	34:17	27:4	38:16
15:22	<b>effluent</b>	34:23	35:10	<b>endeavor</b>
15:25	48:7	35:1	38:2	9:19
16:4	<b>effort</b>	35:4	54:19	<b>energy</b> 8:2
25:12	4:15	35:6	<b>emissions</b>	14:23
25:18	20:21	37:6	9:7	17:3
26:5	33:3	43:18	9:9 9:11	18:11
27:4	<b>efforts</b>	<b>electrify</b>	12:15	19:13
27:23	27:19	38:16	12:16	20:4
28:5	27:25	<b>electrifyi</b>	16:16	20:22
28:20	31:4	<b>ng</b> 28:7	25:25	21:25
29:7	32:9	<b>element</b>	26:18	24:8
29:11	50:12	15:15	27:2	25:5
33:18	54:18	19:19	37:2	25:8
34:10	54:23	24:9	37:6	25:12
34:16	<b>eight</b>	32:25	37:7	25:13
36:14	11:19	<b>elements</b>	38:6	25:14
36:17	<b>either</b>	12:25	53:12	25:18
36:25	10:3	20:10	53:14	26:5
37:24	37:19	<b>Elgethun</b>	<b>emit</b> 9:8	26:6
38:14	41:7	29:24	<b>emits</b> 8:25	27:4
40:1	<b>electric</b>	30:1	<b>emphasis</b>	27:23
40:6	4:12	30:4	40:1	28:8
40:10	11:19	<b>else</b> 28:15	40:17	28:12
40:17	12:4	48:20	41:13	28:20
41:2	25:11	50:2	42:6	29:7
41:6	30:19	52:13		29:8
41:13				

29:11	43:16	<b>enter</b>	55:23	10:23
31:3	43:18	53:17	<b>essential</b>	22:3
33:1	44:15	<b>enthusiast</b>	32:25	23:17
33:7	46:19	<b>ically</b>	42:13	25:16
33:13	46:20	36:13	<b>establish</b>	46:11
33:16	47:4	<b>environmen</b>	26:24	<b>exceeded</b>
33:17	50:9	<b>t</b> 18:9	<b>establishe</b>	36:16
33:20	50:17	45:13	<b>d</b> 37:3	<b>excellent</b>
34:21	50:22	<b>environmen</b>	<b>establishi</b>	12:13
35:2	50:23	<b>tal</b>	<b>ng</b> 53:9	14:13
36:5	51:1	33:20	<b>et</b> 27:22	19:17
36:5	51:14	37:11	29:4	25:13
36:6	51:15	37:15	29:4	52:20
36:12	51:16	38:9	<b>evening</b>	<b>excuse</b>
36:14	51:17	54:24	4:7 4:24	50:11
36:20	52:6	<b>environmen</b>	11:16	50:11
36:21	52:19	<b>talists</b>	11:22	<b>executive</b>
36:23	53:16	41:18	13:23	11:17
36:24	54:23	<b>equally</b>	14:6	18:2
36:25	55:19	36:18	14:11	<b>exist</b>
37:1	56:5	36:18	18:1	15:22
37:24	56:14	36:23	25:4	15:25
38:12	<b>energy-</b>	<b>equation</b>	44:2	17:7
38:17	<b>related</b>	31:4	44:17	33:7
40:1	16:19	<b>equipment</b>	50:7	<b>existing</b>
40:5	<b>energy-</b>	10:22	<b>eventualit</b>	21:19
40:6	<b>saving</b>	20:4	<b>y</b> 37:23	33:25
40:8	33:8	<b>equivalent</b>	<b>everybody</b>	35:3
40:10	<b>engage</b>	8:20	22:9	38:3
40:11	49:16	<b>error</b>	<b>everyone</b>	<b>expand</b>
40:19	<b>engaged</b>	15:15	3:22	34:23
40:25	4:14	<b>especially</b>	51:21	<b>expect</b>
41:1	<b>engineerin</b>	8:15	<b>Everything</b>	25:16
41:2	<b>g</b> 53:10	31:23	48:1	<b>expectatio</b>
41:23	<b>engineers</b>	40:16	<b>examined</b>	<b>n</b>
42:1	32:19	<b>essayist</b>	7:7	16:12
42:5	<b>ensuring</b>	45:13	<b>example</b>	16:16
42:6	19:2			<b>expected</b>
42:8				
42:20				
43:8				

7:24	<b>fail</b> 28:2	<b>feasible</b>	36:8	15:4
27:4	<b>fails</b>	41:14	40:6	22:2
34:22	26:12	<b>feat</b> 18:25	40:10	24:9
34:24	26:24	<b>features</b>	41:2	<b>fluctuatio</b>
<b>expensive</b>	<b>failure</b>	27:10	41:10	<b>ns</b> 6:13
34:16	27:16	<b>federal</b>	41:16	<b>focus</b>
<b>experience</b>	35:11	9:6	43:14	52:19
30:16	<b>fairly</b>	12:13	49:15	<b>folks</b> 3:17
<b>experience</b>	15:7	37:20	50:11	3:20
<b>d</b> 48:2	<b>fallen</b>	51:7	<b>fish</b>	46:22
<b>expertise</b>	29:6	<b>federally</b>	6:15	54:4
32:2	<b>Falls</b> 4:21	42:13	12:21	<b>font</b> 21:1
<b>explicitly</b>	<b>false</b> 27:8	<b>fellow</b>	4:12	<b>forecast</b>
12:8	<b>families</b>	55:23	9:17	24:7
<b>exploit</b>	52:9	<b>Fifth</b>	9:18	26:19
16:4	<b>fantastic</b>	36:13	13:9	<b>forecastin</b>
<b>extraordin</b>	52:20	40:21	23:10	<b>g</b> 40:7
<b>ary</b>	<b>farms</b>	<b>fight</b>	<b>five-</b>	<b>forefront</b>
36:10	21:15	17:12	<b>minute</b>	13:5
<b>extremely</b>	50:22	<b>Final</b>	4:1	<b>form</b> 37:17
19:10	<b>fast</b> 15:3	5:3	<b>five-</b>	44:12
<hr/>	<b>faster</b>	22:16	<b>year</b>	<b>forms</b>
F	51:13	23:8	4:14	34:17
<b>face</b> 13:22	<b>favor</b> 22:7	<b>finally</b>	9:16	<b>forum</b>
22:22	38:24	15:2	9:19	18:12
50:25	<b>favorable</b>	<b>financial</b>	9:22	<b>forums</b>
<b>facilities</b>	50:14	23:23	27:10	18:13
21:19	<b>favorably</b>	<b>finding</b>	27:18	<b>forward</b>
<b>facing</b>	38:25	9:3	31:9	16:11
33:2	<b>Fazio</b> 3:25	<b>finish</b>	31:18	18:18
<b>fact</b> 8:5	5:13	5:18	<b>fleet</b> 38:3	20:18
14:21	5:16	<b>finished</b>	38:17	22:12
36:19	5:20	10:14	<b>flexibilit</b>	23:5
<b>factor</b>	10:17	<b>first</b>	<b>y</b> 8:21	42:4
37:10	10:20	14:12	12:7	50:13
<b>facts</b> 9:8	18:6	14:18	12:18	<b>fossil</b>
		30:5	15:2	17:11

17:11	18:11	19:21	54:14	32:20
25:9	19:25	35:11	<b>global</b>	<b>government</b>
40:11	20:22	<b>generally</b>	25:24	<b>s</b> 15:24
41:3	22:20	12:3	26:10	<b>graph</b>
42:17	23:13	12:12	27:8	52:22
<b>frame</b> 39:5	24:11	13:3	34:13	<b>grasp</b>
39:8	24:14	<b>generate</b>	<b>globally</b>	22:14
39:9	26:4	51:17	33:15	<b>gray</b> 17:2
39:9	28:5	<b>generating</b>	<b>goal</b> 6:9	<b>great</b> 21:1
<b>Fred</b> 30:23	36:21	10:11	16:15	21:6
<b>freeways</b>	38:14	25:20	26:12	24:12
51:22	38:17	<b>generation</b>	29:18	46:15
51:25	39:13	10:2	29:19	49:21
<b>fuel</b>	40:6	12:17	43:19	<b>green</b>
7:22 8:8	44:8	15:8	44:1	32:13
8:25	44:14	16:6	53:4	32:17
17:12	47:23	34:12	53:9	33:21
25:9		35:4	53:10	33:22
40:11	<b>Gallup</b>	37:6	<b>goals</b> 13:6	35:14
42:17	48:3	37:14	26:1	46:13
<b>fuels</b>	<b>Gary</b> 45:12	38:7	26:7	<b>greenhouse</b>
17:11	55:24	39:4	29:10	27:6
41:3	<b>gas</b> 8:18	<b>geothermal</b>	29:14	37:2
<b>fulfills</b>	8:19	17:10	29:16	38:2
12:3	8:25	50:19	29:17	43:23
28:11	9:14	<b>getting</b>	33:18	44:10
<b>fully</b> 22:9	27:6	18:6	36:15	<b>grid</b>
26:5	37:2	21:10	36:15	10:9
<b>fully-</b>	38:2	23:2	36:17	51:15
<b>connecte</b>	44:10	46:17	42:12	51:20
<b>d</b> 31:24	<b>gases</b>	<b>gigawatt</b>	42:22	52:5
<b>fundamenta</b>	43:24	17:9	54:19	<b>groundwork</b>
<b>l</b>	<b>gas-</b>	<b>given</b> 39:3	<b>Google</b>	42:4
15:14	<b>fired</b>	<b>gives</b> 4:1	52:4	<b>group</b> 46:8
40:7	10:2	<b>glaciers</b>	<b>gotten</b>	<b>grow</b> 34:24
56:12	<b>general</b>	47:16	48:9	<b>growing</b>
<b>future</b>	12:9	<b>Glenn</b>	<b>government</b>	13:4
12:5	15:16	54:12	16:21	
			16:24	

14:24	<b>point</b>	36:10	24:16	<b>highlighti</b>
19:16	27:17	40:14	24:17	<b>ng</b>
22:1	<b>hands</b>	46:10	26:1	20:1
24:7	47:19	<b>hearing</b>	42:20	21:5
24:18	<b>Hans</b> 54:11	3:7	43:20	21:9
25:11	54:14	4:8 4:22	46:21	21:16
34:20	55:2	54:1	47:12	42:19
43:16	<b>happen</b>	56:22	50:21	<b>highlights</b>
50:25	29:18	56:23	<b>helped</b>	19:24
<b>growth</b>	<b>happened</b>	<b>hearings</b>	40:24	<b>high-</b>
7:24 8:9	6:14	4:19 6:4	<b>helping</b>	<b>performa</b>
35:1	<b>happy</b> 3:15	36:11	24:10	<b>nce</b>
35:2	<b>hard</b> 24:14	<b>heat</b> 8:13	42:11	33:24
35:6	28:13	<b>heating</b>	46:22	<b>high-</b>
36:22	<b>hardly</b>	50:19	<b>helps</b> 20:8	<b>tech</b>
43:18	26:21	<b>heavy</b>	42:3	10:22
<b>guess</b> 5:18	<b>Hart</b>	44:14	<b>Hi</b> 43:7	<b>highway</b>
39:1	11:6	<b>Heckler</b>	<b>high</b>	51:7
39:1	11:10	14:1	7:20	<b>history</b>
45:21	11:13	14:3	10:23	39:3
46:4	11:17	14:7	25:22	<b>hold</b> 4:19
<b>guidance</b>	<b>haven't</b>	<b>H-E-C-K-</b>	29:10	<b>holding</b>
12:5	15:12	<b>L-E-R</b>	29:15	16:18
<b>guidelines</b>	39:6	14:7	29:16	<b>holds</b>
16:11	40:14	<b>heightened</b>	29:17	34:14
17:13	<b>having</b>	34:13	29:20	<b>homes</b> 20:5
<b>guys</b>	17:17	<b>held</b> 4:8	32:22	46:22
6:10	<b>Hays</b> 39:22	41:23	41:23	50:22
31:2	<b>healthier</b>	<b>Hello</b>	<b>high-</b>	<b>hope</b> 20:13
33:3	33:10	39:21	<b>case</b>	42:21
33:18	<b>hear</b>	44:25	32:1	52:4
<b>guys's</b>	3:17	54:17	<b>higher</b>	<b>hopefully</b>
32:2	47:15	<b>help</b> 22:16	34:11	20:12
33:2	50:24	22:21	<b>highlight</b>	48:23
<hr/>	53:23	22:25	20:16	49:16
H	54:11	22:25	41:10	50:14
<b>half</b> 36:19	<b>heard</b>	23:7	<b>highlighte</b>	51:2
<b>half-year-</b>		23:20	<b>d</b> 22:18	



<b>hot</b> 47:8	13:2	40:19	20:10	41:6
<b>hour</b> 3:5	13:15	40:19	23:14	<b>implementa</b>
<b>hourly</b>	<b>I'd</b> 3:13	40:22	30:4	<b>tion</b>
8:20	14:10	41:5	32:12	15:3
<b>house</b>	18:5	41:6	46:1	32:22
46:12	18:8	41:12	46:12	<b>implemente</b>
<b>houses</b>	18:19	41:23	46:12	<b>d</b>
47:12	20:15	41:24	47:11	23:22
<b>housing</b>	32:14	42:14	47:20	42:3
46:17	40:13	42:20	48:23	<b>implementi</b>
<b>Howe</b> 52:15	43:22	43:9	50:8	<b>ng</b> 15:24
52:18	48:14	43:10	50:23	23:23
<b>huge</b> 49:11	49:13	45:24	52:18	<b>implicatio</b>
<b>hundred</b>	50:11	47:6	52:18	<b>ns</b> 24:1
8:5	51:4	50:10	52:23	<b>implicit</b>
<b>hybrids</b>	53:8	52:2	53:3	16:25
19:15	54:18	<b>idea</b> 27:24	56:11	<b>implicitly</b>
<b>hydro</b>	<b>Idaho</b> 3:10	<b>ideas</b>	56:21	<b>importance</b>
12:13	4:21	27:25	<b>imagine</b>	12:11
12:14	11:13	<b>I'll</b>	24:14	21:16
12:17	11:15	3:25	<b>imminent</b>	<b>important</b>
12:18	11:18	10:17	30:18	3:16
12:22	11:20	15:16	<b>impact</b>	3:16
45:22	15:17	46:14	20:25	12:14
<b>hydroelect</b>	16:17	55:9	23:16	19:10
<b>ric</b>	16:20	56:22	26:19	20:8
31:25	17:4	<b>illustrate</b>	44:3	21:21
<b>hydropower</b>	17:17	38:15	44:5	28:4
30:19	25:6	<b>I'm</b> 3:10	<b>impacts</b>	29:7
_____	30:9	3:10	21:5	34:19
I	30:12	3:15	26:22	40:15
<b>i.e</b> 8:21	32:13	3:18	<b>imperative</b>	44:6
<b>ice</b> 47:16	32:17	3:19	37:5	<b>importantl</b>
<b>ICUA</b> 11:20	35:14	5:21	37:25	<b>y</b> 5:2
12:11	36:2	7:15	44:16	<b>impressive</b>
12:21	37:3	10:14	<b>implement</b>	38:8
	38:3	10:25	13:12	
	38:6	11:17	15:19	
	39:11	14:7		
	39:22	18:2		
	40:17			

<b>improve</b> 10:7 10:8	21:19 <b>in-depth</b> 13:20	42:10 <b>influenced</b> 55:23	9:15 13:10 26:2	52:3 <b>interstate</b> 51:7
<b>improved</b> 34:15 34:19 51:21	<b>indicated</b> 22:19 48:19	<b>inform</b> 12:25 55:18 56:13	<b>intact</b> 38:3	<b>intertwine</b> d 37:2 41:21
<b>improvement</b> 34:4 37:8	<b>indicates</b> 34:18	<b>informatio</b> n 5:5 6:6 6:6	<b>integrate</b> 8:16 10:4 12:19 12:23 22:2 25:23 34:21	<b>intertwini</b> ng 41:25 <b>intimately</b> 28:20
<b>improving</b> 48:13	<b>individual</b> 6:23 14:8 54:10	7:3 7:12 12:5 21:2 45:25 46:16 46:16 46:18 51:9 56:2 56:9	<b>integrated</b> 6:21	<b>intriguing</b> 46:8
<b>inadequate</b> 27:18	<b>individual</b> s 32:18	<b>informing</b> 55:21	<b>integratio</b> n 8:22 10:6 35:10 42:17 42:19	<b>invasive</b> 30:15
<b>incentives</b> 23:23 47:11	<b>industrial</b> 29:1	<b>infrastructure</b> 15:22	<b>intend</b> 7:5	<b>inventory</b> 6:19
<b>include</b> 12:24 24:5 31:22 44:16	<b>industry</b> 19:8 19:21 21:24 22:22 24:17 48:9 52:3 56:8	<b>inherent</b> 13:8	<b>interest</b> 18:10 56:4	<b>investment</b> s 33:8 34:16 34:18
<b>included</b> 30:15 35:12	<b>inevitable</b> 37:19	<b>Initiative</b> 16:14 37:19	<b>interested</b> 6:3 45:12	<b>invite</b> 18:10
<b>including</b> 5:6 5:22 32:18	<b>infestatio</b> n 31:23	<b>input</b> 13:17	<b>interim</b> 40:20	<b>involved</b> 50:15
<b>Incorporat</b> <b>ed</b> 30:6	<b>infestatio</b> ns 31:7	<b>inside</b> 26:16	<b>interior</b> 32:19	<b>involvement</b> t 6:2
<b>increase</b> 12:16 28:24 35:12	<b>infested</b> 31:14	<b>install</b> 23:3	<b>intermitte</b> nt 22:3	<b>involves</b> 5:23 5:24
<b>increased</b> 40:10	<b>influence</b>	<b>instead</b>	<b>Internet</b> 29:4 51:10 51:22	<b>involving</b> 50:23 <b>iPods</b> 19:15 <b>irrigation</b> 47:10 <b>isn't</b>

31:17	39:4	24:12	<b>key</b>	34:14
<b>issue</b>	39:8	46:22	19:12	<b>large-</b>
24:12	41:17	49:13	19:19	<b>generati</b>
49:11	41:18	51:19	<b>kinds</b> 7:11	<b>ng</b> 21:15
49:16	43:19	51:24	48:5	<b>largest</b>
49:18	44:6	<b>job-</b>	<b>knowledgea</b>	38:4
<b>issues</b>	44:12	<b>based</b>	<b>ble</b> 56:1	<b>last</b> 13:20
8:17	45:2	52:7	<b>known</b> 18:3	19:3
19:11	46:8	<b>jobs</b> 25:17	27:23	20:15
33:1	46:15	27:14	51:10	38:23
36:12	49:11	28:24	<b>kudos</b> 22:6	53:13
37:1	49:21	29:13	_____	<b>lastly</b>
39:7	52:20	52:9	L	22:6
44:15	<b>I've</b>	<b>John</b>	<b>lagging</b>	<b>late</b> 31:19
53:15	5:16	3:25	27:25	<b>later</b>
55:19	16:19	5:12	<b>laid</b> 19:23	5:3
56:6	28:19	5:20	33:18	15:17
<b>item</b> 38:22	28:22	10:18	36:15	<b>latest</b>
<b>it's</b> 3:6	46:10	18:6	<b>lake</b> 31:13	4:14
3:16	46:13	<b>Johns</b> 48:8	31:14	26:8
3:16	48:2	<b>Joining</b>	<b>lakes</b> 30:6	<b>lay</b> 42:4
5:15 7:1	52:20	3:12	31:16	<b>lays</b> 20:7
8:11	53:13	<b>judge's</b>	32:8	<b>lead</b> 13:12
10:2	55:23	49:12	<b>Landry</b>	44:14
10:3	_____	<b>judging</b>	44:21	<b>leader</b>
10:3	J	27:24	44:23	29:1
13:3	<b>Jeff</b>	<b>juice</b>	45:6	29:13
16:17	50:4	45:17	55:6	<b>leadership</b>
16:22	50:7	_____	55:11	15:12
18:6	52:12	K	55:14	16:11
18:16	<b>Jim</b> 3:10	<b>Karen</b>	<b>landscape</b>	18:20
20:8	5:18	10:25	32:19	33:20
22:19	30:24	<b>Ken</b>	<b>large</b>	47:1
23:14	<b>job</b>	35:21	14:15	48:12
24:14	14:13	35:23	21:14	<b>leading</b>
26:3	19:17	36:4	21:20	29:9
28:13	21:5	39:14	31:25	
28:17	21:9	40:4		
29:5	22:4			
37:25				

<b>League</b> 43:9	<b>levelized</b> 7:8	46:9 47:6	23:17 46:5	<hr/> M <hr/>
<b>learn</b> 47:6	<b>levels</b> 9:1	<b>live</b> 33:10	56:4 56:7	<b>magical</b> 47:25
<b>learned</b> 46:8 47:7	23:19 37:14	45:6 46:4	<b>lots</b> 18:21	<b>main</b> 18:4 33:15 49:6
<b>least</b> 25:15 34:9	<b>life</b> 46:23	<b>lived</b> 48:3	<b>Lou</b> 44:21 44:23 45:6 48:17 55:5 55:8	<b>mainly</b> 28:17
<b>leave</b> 4:24 10:17	<b>lifecycle</b> 7:8 7:13	<b>living</b> 39:16 39:18	55:11 55:14	<b>maintainin</b> <b>g</b> 38:18 52:1
<b>led</b> 29:1 29:3	<b>light</b> 45:18	39:21 43:1	<b>low</b> 6:12 7:20 12:15 14:16 14:17 15:3 29:16	<b>maintenanc</b> <b>e</b> 30:14
<b>LEED</b> 34:3	<b>lights</b> 6:11 15:1 24:10	<b>load</b> 7:24 8:9 14:23 36:19 36:22	<b>lower</b> 15:19 16:6 16:7 27:20 44:7 49:19 49:22	<b>major</b> 19:11 47:19 50:24 51:17 51:24 52:7
<b>leg</b> 48:23	<b>likely</b> 9:14 18:17 19:25 22:12 37:20	<b>loads</b> 13:4 25:20 26:16	<b>long</b> 18:7 46:23	<b>maker</b> 44:15
<b>legislatio</b> <b>n</b> 9:5 42:13	<b>lines</b> 41:15 41:19 54:19 54:20	<b>local</b> 8:22 10:4	<b>longer</b> 41:17	<b>makers</b> 19:21
<b>Legislatur</b> <b>e</b> 40:20 40:22 40:25 41:12 41:24	<b>link</b> 5:9	<b>long-</b> <b>term</b> 27:3	<b>lowering</b> 25:16 27:19	<b>manager</b> 30:8
<b>Leif</b> 29:24 30:1 30:4 35:20	<b>listed</b> 7:8	<b>loop</b> 55:20	<b>lowest</b> 7:21	<b>manner</b> 12:6
<b>Let's</b> 5:13 24:24	<b>listen</b> 13:17	<b>lose</b> 5:17	<b>lowest-</b> <b>cost</b> 7:18 13:3	<b>manufactur</b> <b>e</b> 29:2
<b>level</b> 9:6 9:7 26:18 56:5 56:12	<b>little</b> 5:17 23:7 27:22 28:19 46:1	<b>lot</b> 20:19 22:6 23:6	<b>manufactur</b> <b>ers</b> 32:21	<b>market</b>

15:5	<b>t</b> 53:9	18:12	49:4	31:18
16:7	<b>measures</b>	18:14	<b>mention</b>	<b>midterm</b>
<b>marketplac</b>	6:1	<b>megawatt</b>	15:17	27:24
<b>e</b> 42:15	10:12	21:19	41:20	<b>mid-term</b>
<b>markets</b>	13:12	<b>megawatts</b>	53:17	17:15
10:8	13:13	8:5 9:23	54:18	<b>Midwest</b>
<b>materials</b>	23:3	14:22	<b>mentioned</b>	15:25
33:15	51:16	21:21	21:7	<b>midyear</b>
<b>matters</b>	52:6	21:24	21:23	27:16
42:2	<b>meat</b> 47:24	25:12	<b>mere</b> 27:9	31:18
<b>may</b> 4:24	<b>mechanism</b>	25:13	<b>meridian</b>	<b>Mike</b> 17:20
5:8 5:17	15:24	27:11	31:12	<b>Miller</b>
8:14	37:18	27:13	<b>message</b>	35:21
8:19	<b>meet</b>	35:8	27:8	35:23
8:23	12:8	<b>Melinda</b>	28:16	36:4
21:20	13:4	3:13	<b>met</b> 9:25	40:4
23:24	13:5	<b>melting</b>	35:2	<b>millions</b>
31:19	14:19	47:15	35:6	23:17
31:19	22:1	47:16	<b>meter</b> 20:7	<b>mind</b> 10:18
31:25	22:20	<b>member</b>	<b>methods</b>	24:20
34:5	23:21	3:12	10:9	42:10
47:19	25:10	3:12	30:12	<b>mined</b> 48:4
55:19	28:2	3:21	54:20	<b>minimize</b>
<b>maybe</b>	36:19	11:16	<b>metric</b>	6:12
21:11	43:15	11:16	21:25	31:5
23:4	43:18	11:20	<b>Mexico</b>	<b>minuses</b>
47:13	<b>meeting</b>	12:1	48:3	21:4
53:6	3:1 3:23	18:19	<b>Michael</b>	<b>minute</b>
53:7	8:20	36:2	14:1	40:13
55:20	12:5	36:2	14:3	<b>minutes</b>
56:10	24:1	40:17	14:6	7:15
<b>Mead</b> 31:13	27:17	<b>members</b>	<b>microphone</b>	<b>missing</b>
<b>meaningful</b>	28:12	3:10	9:4 55:9	15:14
38:1	36:22	12:12	<b>Microsoft</b>	<b>mission</b>
<b>means</b>	38:23	13:4	52:4	32:22
22:14	46:1	13:15	<b>Midplan</b>	<b>mitigating</b>
56:3	<b>meetings</b>	13:23		
<b>measuremen</b>	6:4	16:21		
	18:12	36:9		

44:6	20:18	<b>accepted</b>	17:8	56:10
<b>mitigation</b>	21:24	33:22	18:2	<b>notwithsta</b>
12:22	48:7	<b>natural</b>	24:19	<b>nding</b>
<b>model</b>	<b>moves</b>	8:18	25:5	17:3
12:25	42:13	9:14	25:8	<b>November</b>
34:1	<b>municipali</b>	<b>Navajo</b>	25:11	4:18
49:22	<b>ties</b>	48:4	25:17	11:25
<b>modeling</b>	11:19	<b>negligible</b>	28:10	<b>nuclear</b>
49:15	<b>mussel</b>	44:4	30:18	7:10
<b>models</b> 6:6	30:7	<b>Neilson</b>	31:8	38:25
7:13	30:11	11:4	31:23	38:25
<b>Modest</b>	31:7	11:5	32:3	39:2
33:8	31:22	<b>net</b> 22:8	32:15	39:3
<b>moment</b>	<b>mussels</b>	<b>network</b>	34:22	39:5
24:10	30:17	10:7	35:15	47:23
24:10	30:22	<b>Nibling</b>	36:6	48:1
<b>money</b>	31:1	30:23	36:12	48:7
25:17	32:7	<b>night</b> 4:21	38:12	48:10
27:13	<b>myself</b>	<b>noise</b> 9:4	39:25	<b>nutshell</b>
<b>Montana</b>	28:23	<b>noncarbon-</b>	40:4	9:22
16:13	48:24	<b>generati</b>	40:8	10:13
26:2	49:8	<b>ng</b> 16:2	40:23	<hr/>
<b>months</b>	<hr/>	<b>nor</b> 37:15	41:9	<b>obstacles</b>
17:5	N	<b>norm</b> 41:16	41:11	50:25
24:9	<b>name's</b>	<b>normalized</b>	41:22	<b>obtain</b>
41:1	30:4	42:8	41:25	38:1
<b>moral</b>	<b>narrative</b>	<b>north</b>	47:2	50:21
37:25	21:7	31:16	49:10	51:9
<b>Morlan</b>	<b>nation</b>	43:9	49:20	<b>obviously</b>
38:23	15:18	<b>Northwest</b>	55:19	9:1
<b>mostly</b>	15:20	3:7 3:11	<b>noted</b> 40:3	<b>occur</b>
23:10	15:23	4:9 4:10	<b>notes</b>	12:16
<b>move</b> 18:17	<b>national</b>	4:10	12:15	<b>occurred</b>
23:5	21:12	4:20 8:2	<b>noticeable</b>	46:24
31:11	23:18	9:12	26:21	46:25
51:6	33:25	<b>nationally</b>	<b>notion</b>	<b>o'clock</b>
<b>moved</b>	<b>nationally</b>	-	23:10	3:6 54:1
	-	15:16	41:15	
			41:17	
			55:22	

54:2	15:4	18:4	32:21	<b>partners</b>
56:21	<b>opinion</b>	26:2	<hr/>	32:6
<b>October</b>	49:13	<b>organizati</b>	<hr/> P <hr/>	<b>party</b>
3:2 3:6	56:7	<b>on</b> 13:21	<b>p.m</b> 3:3	41:14
<b>offer</b>	<b>opportunit</b>	32:18	4:7	41:19
14:12	<b>ies</b>	<b>organizati</b>	56:23	<b>passed</b>
32:14	14:14	<b>ons</b> 30:5	<b>P.O</b> 11:14	40:19
39:1	14:16	<b>organizati</b>	<b>Pacific</b>	40:25
39:24	15:25	<b>on's</b>	18:2	<b>past</b> 6:5
51:4	49:10	32:14	34:22	30:8
<b>office</b>	<b>opportunit</b>	<b>others</b>	<b>page</b> 5:9	<b>path</b>
10:23	<b>y</b>	18:10	<b>paid</b> 45:19	23:4
30:24	11:22	28:13	46:3	53:11
<b>officials</b>	13:18	40:3	<b>paradigm</b>	<b>paths</b> 21:3
32:20	13:20	54:3	51:17	<b>pay</b> 45:21
<b>offset</b> 8:9	14:11	<b>ourselves</b>	<b>parallel</b>	<b>peak</b>
<b>oh</b> 45:4	15:14	28:15	41:11	7:23
53:1	17:6	<b>outcome</b>	<b>participat</b>	14:24
<b>okay</b>	17:19	50:14	<b>e</b> 18:11	22:2
6:10	24:21	<b>outlined</b>	<b>participat</b>	<b>penalties</b>
26:3	25:7	23:9	<b>ing</b> 14:7	7:20
28:17	29:5	<b>outside</b>	16:14	7:20
<b>onto</b> 21:18	29:12	26:17	<b>participat</b>	7:22 8:8
<b>operated</b>	35:17	<b>overlooked</b>	<b>ion</b>	<b>people</b>
23:12	39:24	15:15	55:18	18:17
<b>operating</b>	40:16	<b>oversaw</b>	<b>particular</b>	21:2
26:25	43:11	18:20	8:22	23:2
27:7	52:10	<b>overview</b>	15:17	29:13
<b>operation</b>	54:10	4:2	23:15	45:13
6:15	<b>order</b>	<b>overwhelmi</b>	30:19	46:4
9:13	4:5	<b>ngly</b>	31:3	50:21
9:13	7:8 9:11	40:19	36:14	51:5
33:23	10:4	<b>owner/</b>	<b>particular</b>	51:8
<b>operationa</b>	20:3	<b>contract</b>	<b>ly</b> 16:22	52:8
1 34:19	43:24	<b>or</b> 46:13	52:2	56:7
<b>operations</b>	56:20	<b>owners</b>	<b>parties</b>	56:10
6:16	<b>Oregon</b>		6:3	<b>peoples</b>
	3:13			29:3
	16:13			
	17:5			

<b>people's</b>	28:19	3:20 4:2	19:10	34:9
53:5	<b>personally</b>	4:10	19:12	34:17
56:4	19:5	4:12	19:17	35:5
<b>per</b> 27:3	22:7	4:12	19:19	35:9
27:5	<b>perspectiv</b>	4:15	19:23	35:12
34:25	<b>e</b> 12:2	4:16	19:24	35:16
<b>percent</b>	16:20	4:18	20:7	36:10
9:9 9:10	21:21	4:20 5:1	20:18	36:13
22:20	51:3	5:3	20:22	36:15
26:20	<b>pest</b> 30:15	5:6	21:4	37:9
33:12	<b>phase</b>	5:6 5:10	21:6	39:5
33:13	26:10	5:23 6:8	22:4	39:10
33:14	<b>phase-</b>	6:9 6:17	22:12	40:2
33:14	<b>out</b>	6:18	22:16	40:18
33:16	26:22	6:22	22:18	40:19
34:6	<b>phasing</b>	6:22	23:6	40:21
34:25	25:21	6:23	23:22	40:21
38:7	42:16	7:14	24:15	40:25
44:4	43:25	7:16	24:16	41:13
<b>Peregrine</b>	<b>Phillippi</b>	8:18 9:3	25:19	41:23
53:2	45:7	9:16	25:24	42:1
<b>perfectly</b>	55:15	9:16	26:6	42:11
40:18	<b>Phoenix</b>	9:19	26:12	42:18
<b>performanc</b>	17:5	9:20	26:24	42:23
<b>e</b>	<b>Pick</b> 23:20	9:22	27:10	43:12
15:11	<b>picked</b>	10:13	27:15	43:23
32:23	48:6	11:23	28:12	44:16
<b>period</b>	<b>pieces</b>	12:3	31:9	47:1
15:21	22:21	12:7	31:9	47:5
18:10	<b>placed</b>	12:10	31:17	47:20
53:12	4:25	12:12	31:18	49:8
<b>periods</b>	<b>places</b>	12:14	31:18	49:17
15:5	22:11	12:18	31:22	50:12
<b>permits</b>	33:10	12:24	32:9	53:11
16:7	<b>plan</b> 3:9	13:19	32:16	<b>planning</b>
<b>person</b>	3:18	18:6	33:2	7:2
21:23		18:15	33:7	7:4
<b>personal</b>		18:16	33:15	20:10
		18:16	33:18	26:25
		18:23	34:2	27:7
		19:3	34:5	37:22



40:7	10:19	44:15	4:10	35:13
41:21	<b>pleased</b>	<b>politicall</b>	4:12	35:15
44:11	3:19	<b>y-</b>	4:15	35:16
44:12	3:19	<b>accepted</b>	4:16	36:10
<b>plans</b> 6:21	<b>plenty</b>	41:14	4:18 5:1	38:6
38:4	3:19	<b>pollution</b>	5:3	38:14
<b>Plan's</b>	<b>plot</b> 38:9	26:10	5:5	38:19
25:23	<b>plug-in</b>	27:6	5:9 5:23	38:25
36:17	19:15	44:10	6:15	38:25
<b>plant</b> 9:2	<b>pluses</b>	<b>pond</b> 48:6	8:12	39:2
<b>plants</b> 9:8	21:4	<b>pork</b> 47:24	8:15 9:9	39:5
9:13	<b>PNUCC</b> 18:3	<b>portfolio</b>	9:12	39:6
9:14	18:14	20:24	9:19	39:10
16:12	<b>poet</b> 45:12	<b>portion</b>	11:21	39:25
17:14	<b>point</b>	17:4	11:23	40:2
20:25	24:15	27:10	12:5	40:18
25:10	25:15	31:25	13:19	40:21
25:21	41:22	<b>Portland</b>	17:7	40:21
26:3	42:2	18:4	18:12	40:23
26:11	43:22	<b>pose</b> 30:18	18:20	41:9
26:14	44:9	30:23	22:7	41:11
26:16	45:11	<b>position</b>	22:9	41:22
26:20	51:6	28:14	22:10	41:25
28:6	51:6	41:14	22:12	43:12
38:16	53:10	<b>possible</b>	25:9	43:23
42:17	<b>points</b>	31:22	26:11	44:16
43:25	14:10	<b>potential</b>	28:5	45:24
53:14	43:12	5:25	28:10	46:6
<b>platform</b>	<b>policies</b>	10:12	28:11	47:7
42:7	23:9	21:8	31:21	47:12
<b>play</b> 21:11	<b>policy</b>	27:23	32:3	49:17
21:12	19:13	34:14	32:9	49:19
<b>playing</b>	19:21	<b>power</b>	32:11	50:12
31:20	23:20	3:7	32:15	53:14
<b>plays</b>	40:8	3:9 3:11	32:16	<b>power-</b>
22:19	41:21	4:2	33:2	<b>planning</b>
<b>please</b>	42:3	4:9 4:10	33:15	12:4
4:23 5:6			34:2	<b>PowerPoint</b>
			34:5	10:19
			34:9	18:21
			34:21	

<b>practices</b>	46:3	5:23	50:14	55:17
20:2	<b>prices</b>	5:24 6:1	<b>projected</b>	<b>provided</b>
32:5	7:22 8:8	6:2	27:6	4:23 6:7
32:23	51:2	16:15	44:10	13:18
<b>prepare</b>	<b>pricing</b>	28:9	<b>projector</b>	15:12
37:21	16:11	50:13	10:19	20:11
42:20	17:14	<b>processes</b>	<b>prominent</b>	<b>provides</b>
<b>prescribed</b>	<b>primarily</b>	6:20	22:19	6:19
24:2	31:10	55:18	<b>promise</b>	8:14
<b>presence</b>	45:9	<b>produce</b>	36:22	12:13
16:3	46:18	9:19	<b>promote</b>	<b>providing</b>
<b>present</b>	49:9	17:11	49:9	11:24
3:25	<b>primary</b>	18:24	<b>promotes</b>	12:4
11:7	33:13	23:24	34:1	13:9
22:8	<b>principle</b>	<b>produces</b>	<b>properly</b>	25:22
35:17	55:16	25:19	8:16	30:9
54:10	<b>principles</b>	<b>product</b>	<b>proportion</b>	30:13
<b>presentati</b>	23:11	32:21	<b>al</b> 27:12	<b>public</b> 3:1
<b>on</b> 4:1	<b>prior</b>	<b>production</b>	<b>Proposed</b>	3:7
5:19	11:24	40:11	4:10 5:5	3:8
10:14	36:11	52:24	<b>proposing</b>	4:8 4:17
<b>presentati</b>	<b>private</b>	53:7	25:10	4:19 6:4
<b>ons</b>	14:7	53:16	43:17	6:4
18:21	<b>proactive</b>	<b>profession</b>	<b>prosperous</b>	11:10
<b>pretty</b> 6:9	28:14	<b>al</b> 13:16	52:3	14:3
6:11	31:2	<b>profitable</b>	<b>protecting</b>	17:23
<b>preventing</b>	32:10	33:10	17:12	19:21
31:8	<b>probably</b>	<b>program</b>	<b>protocol</b>	25:1
<b>prevention</b>	43:14	36:5	45:1	30:1
30:11	50:24	37:1	45:2	35:23
32:5	<b>problem</b>	<b>programs</b>	<b>provide</b>	36:11
<b>price</b> 6:12	8:11	13:13	4:4 5:25	39:18
8:25	24:6	<b>progress</b>	7:3 7:24	41:5
26:24	45:4	27:17	9:10	41:7
27:2	47:19	27:24	11:23	43:4
44:14	<b>process</b>	<b>progresses</b>	12:24	44:23
45:19	3:22 4:6		44:9	49:1
45:21				50:4

55:11	53:15	44:5	48:9	13:2
55:18	<b>quarter</b>	<b>rather</b> 6:4	48:14	<b>recognizin</b>
55:19	26:18	27:12	49:15	<b>g</b>
55:22	<b>questions</b>	28:14	49:16	14:14
55:25	19:2	<b>rating</b>	56:1	14:24
56:2	19:5	33:21	<b>reappearin</b>	<b>recommend</b>
56:2	30:25	33:25	<b>g</b> 55:11	10:10
56:9	<b>quicker</b>	<b>raw</b> 33:15	<b>reasonable</b>	<b>recommenda</b>
56:13	15:19	<b>reactive</b>	12:3	<b>tion</b>
<b>Puerco</b>	<b>quickest</b>	28:13	28:2	34:6
48:7	43:15	<b>readily</b>	<b>reasons</b>	41:4
<b>pull</b> 18:22	<b>quickly</b>	51:1	8:19	<b>recommenda</b>
<b>purpose</b>	15:6	<b>reaffirm</b>	41:10	<b>tions</b>
4:23	<b>quite</b> 8:12	40:3	<b>receive</b>	37:12
<b>purposes</b>	23:24	<b>realistic</b>	3:8	41:3
12:4	26:15	42:17	<b>recent</b>	<b>recommendi</b>
<b>pursuit</b>	28:3	<b>reality</b>	38:13	<b>ng</b> 42:16
34:15	37:20	40:5	38:21	<b>recommends</b>
<b>pushing</b>	<b>quo</b> 28:17	<b>realize</b>	<b>receptivit</b>	35:15
42:4	<b>quoted</b>	46:3	<b>y</b> 16:21	<b>reconvene</b>
<b>puts</b> 21:6	44:2	<b>really</b>	<b>recess</b>	54:9
<b>putting</b>	<hr/>	6:13	54:3	<b>record</b> 5:1
16:11	R	6:18	54:8	11:8
20:19	<b>rainy</b> 17:2	9:20	<b>recessed</b>	38:9
22:22	<b>ran</b> 7:12	18:9	54:6	<b>recorded</b>
49:8	<b>range</b> 13:9	19:4	<b>recognitio</b>	4:25
49:14	<b>ranged</b>	21:2	<b>n</b> 13:7	<b>recovering</b>
<b>PV</b> 50:18	27:3	21:25	<b>recognize</b>	49:11
<hr/>	<b>ranges</b>	28:17	6:24	49:20
Q	26:20	28:23	16:24	<b>reduce</b> 9:7
<b>quagga</b>	<b>rapid</b>	29:10	18:8	9:11
30:7	31:11	29:19	<b>recognized</b>	9:12
30:11	<b>rapid-</b>	39:9	40:9	15:7
30:17	<b>developi</b>	42:7	<b>recognizes</b>	25:25
31:1	<b>ng</b> 34:12	46:10	8:3 8:18	26:9
<b>quality</b>	<b>rates</b> 44:3	46:23	10:5	26:17
51:21		46:25	12:7	26:22
		47:5		

37:7	<b>referring</b>	34:14	49:7	49:9
38:5	41:8	34:20	54:22	49:11
<b>reduced</b>	<b>reflection</b>	36:11	<b>related</b>	49:14
12:17	45:11	36:15	27:9	49:23
27:11	<b>regard</b>	36:19	<b>relatively</b>	<b>removing</b>
54:19	41:23	37:4	15:3	49:19
<b>reducing</b>	<b>regarding</b>	37:21	15:6	<b>renewable</b>
9:13	13:1	38:15	<b>released</b>	8:1 9:25
47:18	15:2	40:8	4:16	12:19
<b>reduction</b>	30:25	42:5	40:9	20:24
12:23	47:2	42:12	<b>relevant</b>	25:13
16:16	<b>Regardless</b>	43:21	40:15	26:6
23:16	7:19	43:25	<b>reliabilit</b>	34:20
26:1	<b>region</b>	44:15	<b>y</b>	36:23
26:7	6:14	<b>regional</b>	8:17	38:17
37:4	6:18	4:11	25:22	41:2
42:12	6:23	6:22	<b>reliable</b>	42:19
42:16	8:21 9:5	12:4	38:19	47:4
42:22	9:8 9:21	12:10	42:4	50:9
43:23	9:24	21:21	<b>reliance</b>	50:17
53:4	12:6	26:16	22:23	50:22
53:9	12:12	27:17	23:2	50:23
53:12	15:12	32:10	37:14	51:1
54:21	18:24	41:21	<b>relies</b>	51:16
<b>reductions</b>	22:22	49:18	28:13	52:6
15:19	25:21	55:19	38:6	52:19
33:6	26:7	<b>regions</b>	<b>relying</b>	<b>renewables</b>
38:2	26:11	16:5	21:24	12:23
<b>re-</b>	26:17	16:6	26:3	25:19
<b>evaluate</b>	27:13	<b>region's</b>	<b>remains</b>	28:21
42:11	27:16	7:24 8:9	27:8	29:7
42:22	28:7	9:10	<b>remarkable</b>	43:19
<b>reference</b>	28:17	26:19	36:20	47:3
34:3	30:12	31:3	<b>remember</b>	48:14
40:13	30:18	38:3	44:6	<b>replacing</b>
<b>referenced</b>	30:20	<b>regulation</b>	47:23	20:3
38:13	31:8	37:18	<b>removal</b>	49:19
40:4	31:23	37:20	12:17	<b>report</b>
40:14	33:2	44:13		24:4
	34:10	<b>reiterate</b>		

<b>reports</b>	15:8	10:12	<b>n</b> 30:14	22:22
38:14	<b>residence</b>	12:20	<b>restore</b>	35:13
40:3	14:8	15:9	28:8	37:16
<b>represent</b>	<b>residential</b>	16:2	38:16	<b>risks</b> 7:22
11:18	<b>l</b>	21:15	<b>result</b>	8:8 23:1
49:5	34:25	22:1	25:20	<b>risky</b>
<b>representa</b>	50:19	22:3	<b>results</b>	34:10
<b>tives</b>	<b>residents</b>	23:12	23:24	<b>River</b>
16:17	25:17	25:20	26:14	31:15
<b>representi</b>	<b>residue</b>	26:6	51:20	31:24
<b>ng</b>	7:11	28:9	<b>retired</b>	36:5
25:5	<b>resource</b>	35:3	46:1	45:9
30:5	6:21	37:11	<b>retiring</b>	49:5
<b>represents</b>	7:19	37:24	16:12	<b>Road</b> 50:9
14:15	7:21 8:7	38:18	17:14	<b>roads</b> 52:1
<b>request</b>	8:16	41:2	<b>review</b>	<b>Roanoke</b>
23:13	12:8	47:4	4:12	14:8
<b>requested</b>	13:3	50:9	4:15	<b>R-O-A-N-</b>
54:10	14:18	50:17	4:17 5:1	<b>O-K-E</b>
<b>require</b>	14:25	52:22	17:15	14:9
9:14	33:1	52:24	27:17	<b>robust</b>
<b>required</b>	33:13	<b>respond</b>	27:24	42:19
15:8	34:10	38:4	<b>Revised</b>	<b>Rock</b> 48:6
20:2	35:9	<b>response</b>	4:16	<b>role</b> 16:11
20:6	37:3	20:11	<b>revitalize</b>	19:24
<b>requiremen</b>	37:11	49:12	28:9	21:11
<b>ts</b>	39:6	<b>responsibi</b>	<b>revolution</b>	22:19
9:25	41:16	<b>lities</b>	29:2	42:11
14:19	44:11	28:11	29:3	46:9
<b>requires</b>	44:11	<b>responsibl</b>	<b>rich</b>	47:14
34:4	<b>resources</b>	<b>e</b> 12:6	16:2	50:16
<b>research</b>	5:25	46:2	38:17	50:20
10:11	6:19 7:1	46:14	<b>Rio</b> 48:7	55:16
30:17	7:7 7:11	<b>responsibl</b>	<b>risk</b>	56:2
<b>reservatio</b>	7:17 8:4	<b>y</b> 28:12	8:25 9:5	<b>Ron</b>
<b>ns</b> 48:5	8:23	<b>rest</b> 15:18	14:17	24:24
<b>reserves</b>	10:1	53:22	15:3	25:1
	10:4	<b>restoratio</b>		25:4
	10:6			

29:22	32:1	<b>selection</b>	18:15	52:22
<b>roofs</b>	<b>scenarios</b>	14:25	<b>seven</b>	<b>shut</b>
47:12	20:19	<b>sell</b> 16:7	26:20	16:5
<b>room</b> 37:8	20:21	<b>selling</b>	44:3	28:6
<b>Ruff</b> 30:24	21:1	56:9	<b>Seventh</b>	<b>shutting</b>
<b>runs</b> 38:16	23:10	<b>send</b> 37:12	24:15	26:14
49:22	27:2	<b>sends</b>	<b>several</b>	26:15
<b>rural</b>	<b>schedule</b>	28:16	8:5	26:19
11:19	36:16	<b>sense</b>	18:14	<b>sign</b> 4:23
<hr/>	<b>scheduled</b>	18:23	<b>shape</b>	<b>signals</b>
S	3:7	20:13	14:23	37:13
<hr/>	53:25	53:4	<b>share</b> 28:2	<b>signed</b> 4:4
<b>safe</b> 42:5	<b>science</b>	<b>September</b>	41:10	4:5
<b>safest</b>	26:8	4:16	<b>shareholde</b>	48:18
43:15	30:17	<b>serve</b>	<b>rs</b> 38:5	48:20
<b>Saint</b> 48:8	<b>second</b>	11:20	<b>sharing</b>	<b>significan</b>
<b>salmon</b>	29:9	26:16	27:25	<b>t</b>
28:8	43:22	36:6	<b>she'd</b> 3:13	12:16
38:16	<b>secondly</b>	<b>serves</b>	<b>sheet</b>	14:14
45:21	41:20	31:24	4:3 4:23	17:8
49:5	<b>sector</b>	<b>services</b>	<b>shift</b>	<b>significan</b>
49:11	9:12	10:8	51:17	<b>tly</b>
49:20	34:25	30:7	<b>short</b> 3:23	33:10
<b>satisfy</b>	41:4	30:9	8:19	<b>sign-up</b>
8:1	<b>secure</b>	30:14	54:3	4:3
<b>save</b> 27:13	40:5	<b>serving</b>	<b>shortages</b>	<b>similar</b>
<b>savings</b>	42:4	28:7	47:16	40:22
13:10	<b>seem</b> 29:6	<b>session</b>	<b>shortening</b>	52:23
20:3	<b>seems</b>	40:20	15:5	<b>simple</b> 6:9
21:13	21:14	54:5	<b>showing</b>	6:11
36:20	46:21	<b>sets</b> 27:15	22:11	24:1
<b>scale</b>	52:2	<b>setting</b>	25:9	47:13
14:15	56:5	15:4	28:6	<b>simply</b>
21:15	<b>seen</b>	29:15	<b>shows</b>	27:19
<b>scenario</b>	48:2	29:16	7:5 35:5	38:1
7:19	52:3	41:7	35:7	<b>site</b> 5:7
23:14	55:13	<b>settings</b>		<b>site-based</b>

34:20	7:5 7:6	33:5	<b>speakers</b>	13:25
<b>sits</b> 8:7	<b>slightly</b>	48:11	21:7	17:21
<b>sitting</b>	23:4	<b>solutions</b>	<b>specific</b>	24:23
39:2	<b>slower</b>	49:6	6:25	29:23
50:13	26:22	52:19	13:10	35:19
<b>six</b> 4:21	<b>small</b> 17:4	54:20	23:16	39:15
20:21	18:25	<b>someone</b>	<b>specifically</b>	42:25
54:1	21:18	28:15	<b>ly</b> 12:12	44:19
54:2	29:17	50:2	<b>speculation</b>	48:16
56:21	44:5	<b>somewhat</b>	<b>n</b> 27:9	49:25
<b>Sixth</b>	50:17	7:6	<b>spike</b> 47:8	52:11
3:9	<b>smaller-</b>	26:21	<b>spiking</b>	53:20
4:2 4:10	<b>scale</b>	<b>sooner</b>	47:8	55:3
5:5	21:17	37:22	<b>spoke</b>	56:18
11:23	<b>smart</b> 10:9	<b>sorry</b> 9:3	38:25	<b>standard</b>
13:19	51:14	<b>sort</b>	<b>spread</b>	34:5
31:21	51:20	19:7	31:8	34:7
32:9	52:5	46:8	<b>spur</b> 43:20	<b>standards</b>
32:16	<b>Snake</b> 36:5	47:8	<b>stabilizat</b>	8:2
33:2	45:9	48:2	<b>ion</b>	16:18
34:2	49:5	52:25	43:24	20:24
34:5	49:19	53:11	<b>stabilize</b>	21:12
34:9	49:22	<b>sources</b>	25:24	29:16
35:16	<b>snap</b> 8:13	34:12	37:6	34:2
36:17	<b>Snyder</b>	56:14	<b>stable</b>	34:3
37:9	45:12	<b>South</b> 45:7	52:9	<b>standpoint</b>
40:2	55:24	55:14	<b>staff</b> 3:25	37:15
40:18	<b>society</b>	<b>Southeast</b>	5:21	37:16
40:21	56:6	16:1	5:22	<b>stands</b>
43:9	56:7	<b>Southeaste</b>	14:13	51:24
43:12	<b>solar</b> 17:3	<b>rn</b> 17:4	26:13	<b>star</b>
43:23	17:6	<b>Southwest</b>	28:4	11:3
44:16	47:12	18:4	36:3	46:19
49:17	50:18	<b>Southweste</b>	36:9	46:20
50:12	50:18	<b>rn</b> 17:4	44:3	<b>stars</b>
<b>sleep</b>	50:18	<b>speak</b>	<b>stand</b>	10:25
48:23	<b>solution</b>	52:10		<b>start</b> 28:7
<b>slide</b> 4:1	32:25			43:25
				46:22

49:21	29:1	<b>submit</b> 5:8	26:11	33:25
<b>started</b>	<b>status</b>	<b>submitting</b>	<b>support</b>	34:21
6:1	28:17	39:12	6:15	35:10
6:2 7:14	<b>stay</b> 56:21	<b>substantia</b>	32:4	35:13
47:6	<b>step</b> 16:10	<b>l</b>	32:14	38:19
47:24	49:15	17:10	39:25	46:19
55:22	<b>Steve</b>	33:6	51:16	51:7
<b>starting</b>	52:15	35:5	52:9	<b>systems</b>
7:8 7:17	52:18	<b>substantia</b>	<b>supported</b>	5:21
<b>state</b>	53:21	<b>lly</b>	36:13	27:1
6:3	<b>stewardshi</b>	26:23	<b>supports</b>	27:7
9:6 9:25	<b>p</b> 38:9	<b>sufficienc</b>	12:20	50:19
11:21	<b>stock</b>	<b>y</b> 21:25	<b>sure</b> 10:20	<b>system's</b>
16:21	46:17	<b>suggesting</b>	19:5	9:9
16:25	<b>stockholde</b>	23:15	23:24	12:22
17:8	<b>r</b> 45:24	<b>suggestion</b>	<b>surely</b>	<hr/>
17:10	<b>rs</b> 45:25	23:13	38:8	<hr/> T <hr/>
21:11	<b>strategies</b>	<b>suggestion</b>	<b>surplus</b>	<b>tailings</b>
23:19	54:19	<b>s</b> 24:3	25:19	48:4
30:9	<b>strategy</b>	24:11	<b>surprise</b>	48:6
30:12	6:18	<b>Suite</b> 49:6	38:11	<b>taking</b>
41:1	20:8	<b>summarize</b>	<b>surprises</b>	4:17
41:15	<b>Street</b>	7:16	20:14	<b>talk</b>
41:19	43:10	<b>summer</b>	20:16	3:20
41:21	49:6	14:24	<b>sustainabl</b>	5:18
42:3	<b>stringent</b>	17:5	<b>e</b> 37:15	47:24
42:9	42:12	24:9	<b>switch</b>	48:2
<b>statement</b>	<b>strongly</b>	30:8	56:3	<b>talking</b>
3:14	35:15	47:9	<b>system</b>	49:22
3:23	47:5	<b>Sun</b>	6:15	<b>talks</b>
24:5	<b>students</b>	13:21	12:14	55:16
24:6	32:21	38:23	12:14	<b>target</b>
<b>states</b>	<b>studies</b>	<b>supply</b> 7:7	12:19	9:23
3:18	28:5	21:20	24:19	13:10
4:20 8:2	38:13	32:11	28:11	23:15
37:4		<b>supplying</b>	30:19	23:19
<b>state's</b>			30:23	23:21
38:4			33:21	24:2
<b>States</b>				25:16



27:4	10:11	49:1	35:20	39:10
27:18	20:5	50:4	39:11	44:17
27:19	21:17	52:15	39:13	45:7
27:20	29:8	54:14	39:23	46:24
<b>targets</b>	33:6	55:12	42:5	47:14
13:1	34:12	<b>testify</b>	42:24	48:10
25:14	<b>teeing</b>	3:17	43:1	48:18
27:11	24:12	11:1	43:11	48:18
28:3	<b>tenacity</b>	11:5	43:17	49:15
29:20	19:1	25:7	44:17	50:24
37:4	<b>term</b>	39:24	44:20	53:11
41:6	8:19	48:19	48:15	55:1
41:7	27:17	55:5	48:15	<b>therefore</b>
41:8	<b>terms</b> 7:16	<b>testimony</b>	49:4	7:1
<b>task</b>	9:20	11:7	49:24	37:21
19:7	9:25	32:12	52:10	<b>there's</b>
27:25	23:16	<b>text</b> 5:6	52:12	9:5
51:18	46:10	42:1	53:19	14:15
<b>taught</b>	47:1	<b>thank</b> 3:20	55:13	16:6
29:2	47:22	3:21	56:16	17:10
29:3	48:13	5:11	56:17	22:6
<b>tax</b>	51:23	5:13	56:22	22:15
23:11	55:21	10:21	<b>Thanks</b>	23:2
37:18	55:24	11:13	5:16	23:15
44:13	56:15	11:22	17:19	27:22
<b>tech</b> 10:24	<b>Terry</b>	12:2	39:14	29:12
<b>technical</b>	38:22	13:18	48:17	38:1
19:8	<b>testament</b>	13:19	50:1	46:16
<b>technologi</b>	36:20	13:23	53:21	47:25
<b>cal</b>	<b>testified</b>	13:24	55:1	48:19
14:17	11:10	17:17	55:2	56:4
29:3	14:3	17:20	<b>that's</b>	<b>thermal</b>
<b>technologi</b>	17:23	18:8	3:18	50:18
<b>es</b> 27:21	25:1	24:21	8:20 9:6	<b>they're</b>
32:5	30:1	24:22	10:13	14:16
32:23	35:23	25:7	14:25	14:17
33:9	39:18	29:21	19:6	<b>they've</b>
<b>technology</b>	43:4	29:22	22:2	31:15
	44:23	32:8	22:9	<b>third</b> 29:9
		35:17	22:21	
			29:18	

44:9	<b>tonight</b>	46:2	22:1	<b>Utah</b> 31:16
<b>thoroughly</b>	25:7	<b>trying</b>	22:21	<b>utilities</b>
37:2	39:2	21:25	23:1	6:2 6:17
<b>thoughtful</b>	40:14	24:13	23:20	6:20
12:3	<b>tons</b> 23:17	50:21	23:25	6:24 7:2
<b>thousands</b>	<b>tool</b> 19:20	<b>Tuesday</b>	24:13	7:3 8:15
18:21	<b>tools</b>	3:2 3:6	45:14	11:14
<b>threat</b>	24:17	<b>tuning</b>	45:14	11:18
30:18	<b>towards</b>	24:3	45:22	11:20
30:22	53:9	<b>turn</b> 45:18	55:24	15:24
31:5	<b>trade</b> 16:7	56:3	55:25	17:14
32:10	37:18	<b>turning</b>	<b>understand</b>	18:3
<b>throughout</b>	44:12	10:18	<b>able</b>	18:10
31:23	<b>trade-offs</b>	<b>Turns</b> 8:18	19:6	21:18
41:19	56:14	<b>TV</b> 56:8	<b>understand</b>	22:24
<b>thus</b>	<b>trades</b>	<b>Twittering</b>	<b>ing</b>	26:3
51:6	15:6	19:15	30:21	26:25
51:10	<b>transfer</b>	<b>two-and-</b>	46:9	27:5
<b>Tibet</b>	51:9	<b>a</b> 27:16	<b>understand</b>	27:23
47:16	<b>transition</b>	<b>typically</b>	<b>s</b> 22:9	28:1
<b>till</b>	36:23	13:2	56:3	37:13
54:1	<b>translate</b>	_____	<b>unfold</b>	41:5
54:2	23:3	U	20:23	41:7
<b>today</b> 3:12	24:7	<b>uncertain</b>	<b>unit</b> 30:11	41:8
13:18	<b>transmissi</b>	27:8	<b>United</b>	42:18
17:2	<b>on</b>	34:17	29:1	44:11
21:14	10:7	<b>uncertaint</b>	<b>unmistakab</b>	<b>utility</b>
39:24	34:18	<b>ies</b> 23:6	<b>le</b> 37:13	6:25 8:6
<b>today's</b>	35:11	<b>uncertaint</b>	<b>updating</b>	8:22
26:18	<b>transporta</b>	<b>y</b> 13:8	34:6	10:4
37:14	<b>tion</b>	27:21	<b>upon</b> 3:5	12:8
<b>Tomorrow</b>	28:7	27:22	5:24	27:19
4:21	<b>trenches</b>	<b>underlies</b>	26:6	38:4
<b>ton</b> 27:3	50:21	40:9	<b>uranium</b>	38:6
27:5	<b>true</b> 37:10	<b>understand</b>	48:3	<b>utility-</b>
<b>tone</b> 40:22	<b>try</b> 5:13	21:2	<b>useful</b>	<b>based</b>
40:24			23:25	26:9
				_____
				V
				<b>Valley</b>

13:21	33:24	51:10	<b>position</b>	52:3
38:24		52:2	<b>ed</b> 42:14	53:7
<b>value</b>	<u>W</u>	<b>we'd</b>	<b>we're</b> 9:20	<b>whatever</b>
18:24	<b>warming</b>	6:12	17:12	46:20
<b>values</b>	25:24	31:2	23:24	48:12
19:12	26:10	32:8	29:5	<b>what-if</b>
22:8	27:8	35:17	29:9	21:1
<b>variable</b>	<b>Washington</b>	<b>week</b>	29:11	23:14
8:12	16:13	5:16	31:16	<b>whether</b>
15:8	26:2	13:20	33:17	19:15
<b>various</b>	<b>wasn't</b>	<b>weeks</b> 4:21	49:12	20:3
7:1 7:17	19:3	20:12	51:3	26:16
8:19	<b>waste</b> 39:7	47:9	51:12	37:18
21:3	<b>watch</b> 56:8	<b>week's</b>	52:1	44:12
22:11	56:8	38:23	53:22	47:22
22:13	<b>watching</b>	<b>welcome</b>	54:1	53:3
56:15	50:13	3:22 4:8	54:2	<b>white</b>
<b>vast</b> 27:22	<b>water</b>	36:2	56:6	47:24
<b>vehicle</b>	33:14	36:23	<b>West</b>	<b>Whitney</b>
38:17	45:15	48:21	25:6	24:25
<b>veliger</b>	47:16	<b>we'll</b>	30:15	25:1
30:7	53:15	4:3	50:9	25:5
<b>via</b> 6:3	55:25	4:5	<b>Western</b>	<b>whole</b> 6:23
53:17	<b>watered</b>	4:6	16:14	15:20
<b>Victory</b>	25:15	4:6	23:19	34:1
50:9	<b>watershed</b>	37:23	37:19	49:18
<b>view</b>	45:14	54:2	<b>we've</b>	<b>wholeheart</b>
39:4	<b>wave</b> 8:13	54:5	6:5	<b>edly</b>
53:10	<b>ways</b> 22:13	54:6	6:6	34:8
<b>views</b>	24:6	54:9	6:7 7:10	<b>who's</b>
35:18	51:6	54:11	7:10	45:12
<b>vision</b>	51:9	<b>well-</b>	7:18	<b>Wide</b> 51:10
48:12	56:1	<b>crafted</b>	14:24	<b>wildlife</b>
<b>visit</b> 5:7	<b>weak</b> 5:17	49:8	17:8	6:16
<b>voice</b> 5:17	<b>wean</b> 38:15	<b>well-</b>	20:14	12:22
<b>voluntary</b>	<b>Web</b> 5:7	<b>paying</b>	29:16	<b>willingnes</b>
	5:9	52:8	30:8	<b>s</b> 13:17
		<b>well-</b>	30:16	
			30:24	

18:13	39:18	6:17	.org 5:7	56:17
wind 8:1	39:21	7:14	Wyoming	56:19
8:1	42:24	13:16	46:4	you've
8:3	43:4	19:4	_____	14:12
8:6	43:7	29:13	Y	15:15
8:7 8:11	44:19	30:6	_____	15:21
8:12	44:23	33:11	Yahoo 52:4	15:23
8:13	44:25	36:4	yet 17:12	18:13
8:21	45:4	36:10	yield 33:9	19:5
10:1	48:16	36:12	Yost 3:5	20:12
10:5	49:1	38:11	3:10	22:18
10:6	49:4	41:11	3:21	22:19
17:9	49:25	worked	10:16	23:9
21:15	50:4	16:19	10:22	24:11
22:3	50:7	working	11:4	36:10
25:23	52:11	20:14	11:6	45:16
50:17	52:15	22:24	11:16	52:24
winter	52:18	28:1	13:24	_____
24:8	53:20	51:14	14:1	Z
wisely	54:14	World	17:20	zebra 30:7
40:9	54:17	51:10	19:1	30:11
witness	55:3	worldwide	24:22	30:17
11:10	55:11	29:14	24:24	30:25
11:13	55:13	worried	29:22	zero 27:3
13:25	56:18	31:16	29:24	
14:3	wonder	worst	35:20	
14:6	47:14	29:18	36:2	
17:21	47:17	written	39:14	
17:23	wondering	4:18	39:16	
18:1	47:11	4:24	39:23	
24:23	47:20	11:24	43:1	
25:1	52:23	20:11	44:20	
25:4	53:3	wrong	45:2	
29:23	Woodruff	17:15	48:17	
30:1	39:16	28:16	50:1	
30:4	39:18	www.	52:12	
35:19	39:21	northwes	53:21	
35:23	woody 7:10	tcouncil	54:9	
36:1	work 5:20		55:2	
39:15			55:4	
			55:8	