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August 4, 2020

MEMORANDUM

TO: Power Committee

FROM: Gillian Charles

SUBJECT: Results from stakeholder survey on use of previous plan's written content and supporting materials

BACKGROUND:

Presenter: Gillian Charles

Summary: The Council released a survey to stakeholders to better understand which pieces of past power plans our current audience – public power, IOUs, public interest groups, state commissions, federal entities, private citizens, etc. – relies on most. Having a better understanding of what these pieces are will be useful as we develop the written content and supporting materials for the 2021 Power Plan.

The survey was open from July 20 through July 31 and we received 105 responses. We received a few comments outside the scope of the survey about substantive issues with the power plan. We are passing these on to the members to be aware of, and these comments will also be in the administrative record of the power plan along with the rest of the survey responses.

At the August Power Committee meeting, staff will provide a summary of the survey results, as well as an initial staff proposal regarding how to consider the feedback in the development of the draft 2021 Power Plan materials.

Workplan: From the Council's mission and strategy (on the website) - Continue the focus to communicate effectively with stakeholders and the public to create engagement.


Background: At the July Power Committee meeting, staff brought forward a proposal to release the draft survey to stakeholders. Staff incorporated Council Member feedback and released the survey on July 20.

https://www.nwcouncil.org/sites/default/files/2020_0714_p3.pdf

<https://www.nwcouncil.org/news/power-plan-survey>

Results from stakeholder survey on use of previous power plan content

Power Committee – August 10, 2020
Gillian Charles






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ENERGY FUTURE

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Purpose and Scope (1)

- Groundwork**
 - Per the Northwest Power Act, the power plan must meet certain requirements in regard to content
 - However, the details are at the discretion of the Council
 - Part of the Council’s mission and strategy is to communicate effectively with stakeholders and the public to create engagement
- Purpose**
 - Issue a survey to stakeholders to gain a better understanding of how the current Council audience uses current and previous power plan materials
 - Time it to precede the development of draft 2021 Power Plan content and materials to best take results under consideration

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Purpose and Scope (2)

This survey is intended to have a very limited scope, focusing on what our audience currently finds valuable from previous work

- **This survey is not...** seeking comment on current power plan analysis nor on the substantive content of the plan
- **This survey is not...** seeking feedback on the proposed approach for the 2021 Power Plan (e.g. supporting power plan material included via webpages as opposed to appendices attached to the plan)

It is important to note that the data gathered from this survey will be informative and taken under advisement; however, ultimately the decisions regarding power plan content will be up to the Council, consistent with the Northwest Power Act, to make.



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Logistics and Outreach

- Survey duration: **July 20 – July 31**
- Survey distribution:
 - Council's MailChimp subscription, w/ email blast to ~1,000 unique stakeholders
 - LinkedIn and Twitter post, reshared by staff
 - Blogpost on Council's website and blurb in Council's spotlight newsletter
 - Announcements at advisory committee meetings and PNUCC system planning committee meeting
 - Individual, personalized outreach from staff to stakeholders



LinkedIn




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The results are in...



105 responses!
(thank you respondents!)

+ 2 email responses
~10% response rate

Have you ever used or referenced data or materials from the Council's power plan analysis in your own work? (check multiple, if applicable) *

No, I have not

Yes, Seventh Power Plan (or previous plans)

Yes, current draft material for 2021 Power Plan

Yes, I've reached out to Council staff directly to receive materials

Yes (other)

If yes above, what types of material do you use from the Council's power plans? (check all that apply)

Charts, Graphs, Tables

Chapters (narrative)

Appendices (technical supporting material)

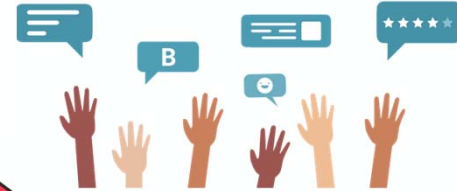
Technical workbooks (underlying data)


Action Plan

Presentation materials

In the Council's Seventh Power Plan, what sections, workbooks, tables, and/or figures do you cite or rely on in your work? (please provide descriptions, references and/or links)

In the development of the Council's draft 2021 Power Plan, are there workbooks, tables, and/or figures that have been presented in advisory committee meetings that you have found valuable for your work?



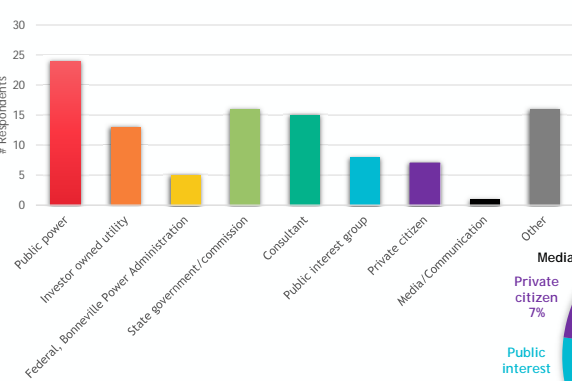


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What best describes your role in the power industry?

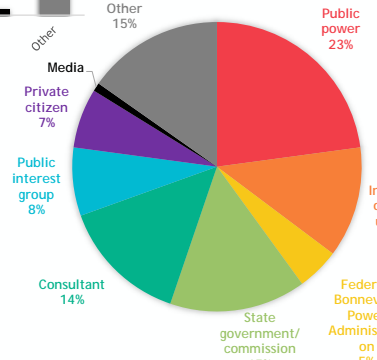


Role	Number of Respondents
Public power	23
Investor owned utility	12
Federal, Bonneville Power Administration	5
State government/commission	15
Consultant	14
Public interest group	8
Private citizen	7
Media/Communication	1
Other	15


“Other” includes national labs, NEEA, PNUCC, independent power producers, advocacy groups, model vendors

35% from a utility (public or IOU)

20% from state of federal government

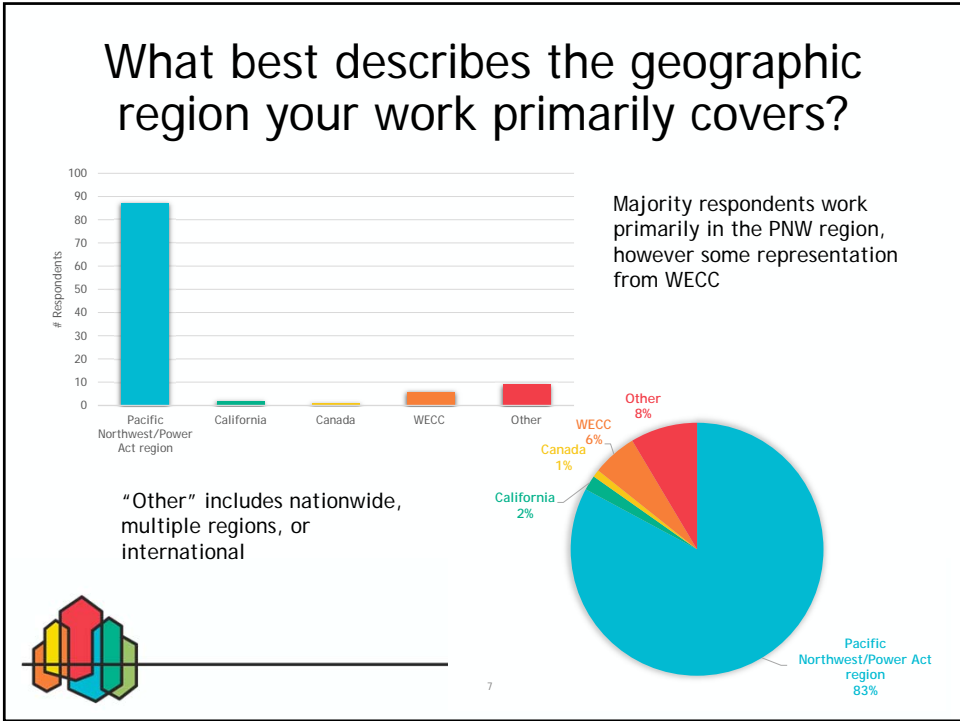


Role	Percentage
Public power	23%
Investor owned utility	12%
Federal, Bonneville Power Administration	5%
State government/commission	15%
Consultant	14%
Public interest group	8%
Private citizen	7%
Media	1%
Other	15%

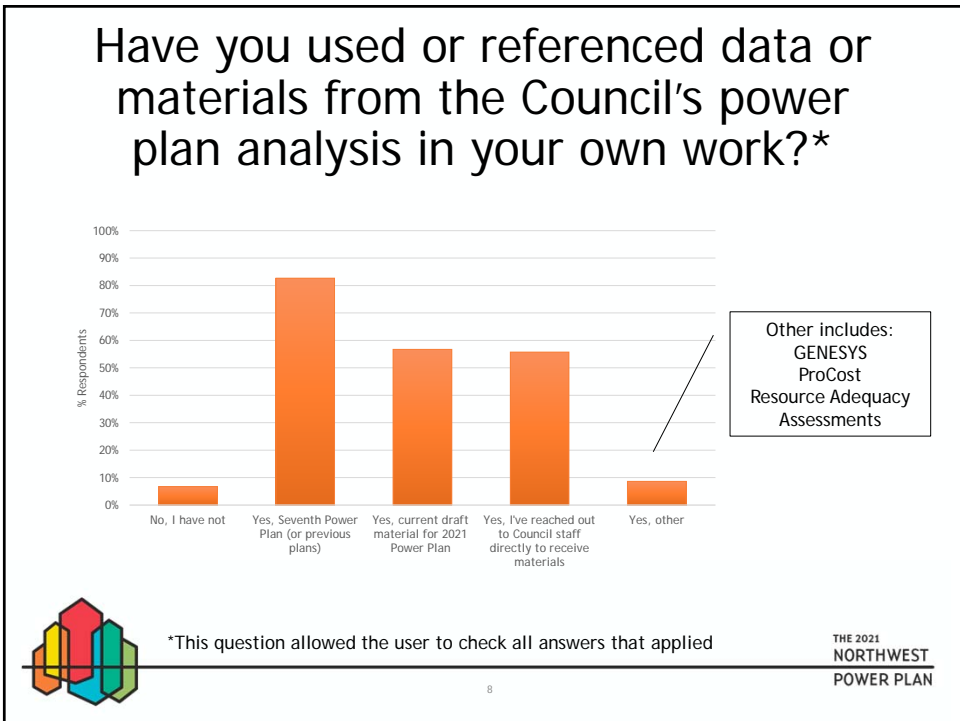


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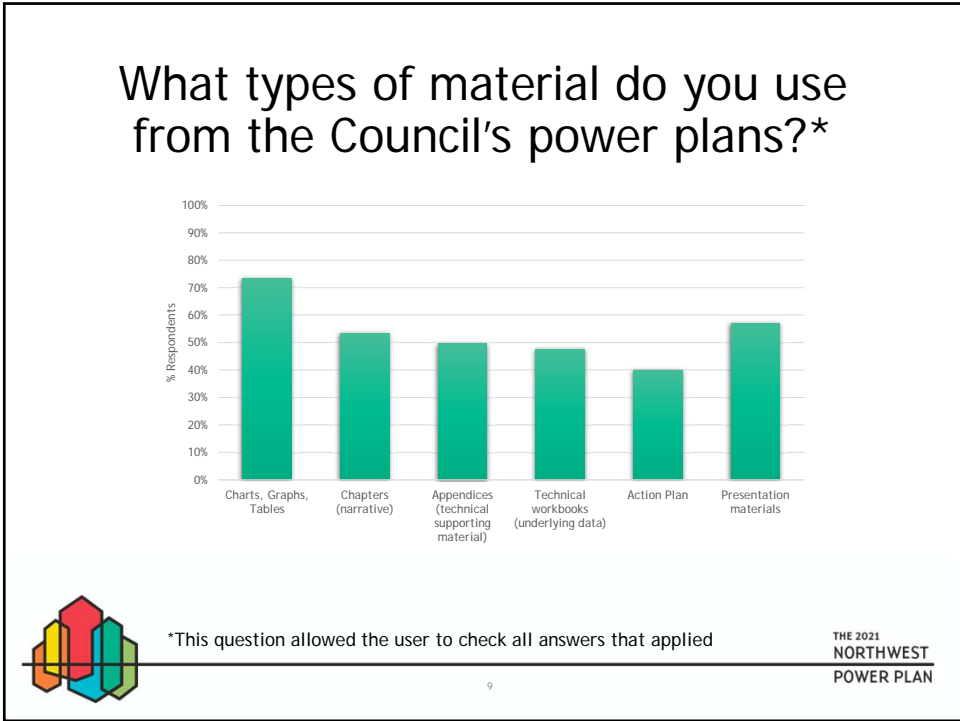
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Seventh Plan

In the Council's **Seventh Power Plan**, what sections, workbooks, tables, and/or figures do you cite or rely on in your work?

- The following slides detail the responses by topic, e.g. energy efficiency, demand forecast, generating resources
- Many respondents replied that they cite or use the Council's analysis from the Seventh Plan in the development of their own IRPs, conservation potential assessments, etc.
- Of those who cited chapters and appendices that they use often, the executive summary, action plan, resource strategy, and summary brochure were identified; in addition to many references to topic specific chapters and appendices (e.g. EE chapter and EE appendix)

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Seventh Plan

In the Council's **Seventh Power Plan**, what sections, workbooks, tables, and/or figures do you cite or rely on in your work?

Energy Efficiency

- EE potential by end use and sector (technologies and measures)
- General inputs and assumptions, chapter and appendix
- Supply curve workbooks
- Data, tables, figures that show the potential for technologies and measures
- Hard-to-reach conservation markets narrative, MCS-1
- ProCost and supporting files
- Action Plan items related to conservation
- Explanation of cost-effectiveness methodology and inputs for conservation measures
- Ramp rates



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Seventh Plan

In the Council's **Seventh Power Plan**, what sections, workbooks, tables, and/or figures do you cite or rely on in your work?

Generating Resources and Existing System/Policies

- Generating resource reference plant data (costs, characteristics, potential)
- Council's project database
- Capacity factors
- Unit retirements; coal retirements
- Generating resource supply curves, resource potential
- Chapter and appendix on generating resources
- Chapter on existing system/existing resources
- Alternative/emerging technologies



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Seventh Plan

In the Council's **Seventh Power Plan**, what sections, workbooks, tables, and/or figures do you cite or rely on in your work?

Demand Response

- General inputs and assumptions
- Data, tables, figures that show the potential for technologies and measures
- Explanation of cost-effectiveness methodology and inputs for demand response measures
- Supply curve workbooks for DR
- Descriptions of methodology and results
- Chapter and appendix
- Action plan items related to DR



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Seventh Plan


In the Council's **Seventh Power Plan**, what sections, workbooks, tables, and/or figures do you cite or rely on in your work?

Load Forecast

- Demand (load) forecast data, chapter and appendix
- Economic inputs/drivers
- Load forecast scenarios including baseline and frozen efficiency

Fuel and Electricity Price Forecasts

- Fuel price forecasts, chapters and appendices
- Gas and power price forecasts
- Chapter 8 (Electricity and fuel price forecasts)
- AURORA price scenarios
- Renewable fuel standard workbook and related sales forecast



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Seventh Plan

In the Council's **Seventh Power Plan**, what sections, workbooks, tables, and/or figures do you cite or rely on in your work?

Other content cited regularly in the survey

- Resource adequacy chapters, table and figures
- Loss of load probability
- Avoided/marginal resource analysis
- Direct use of natural gas (appendix)
- Carbon costs
- System needs assessment
- Hydro data (for GENESYS)
- CO2 scenarios
- Climate change
- Fish and wildlife program
- Environmental methodology



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2021 Plan

In the development of the Council's draft **2021 Power Plan**, are there workbooks, tables, and/or figures that have been presented in advisory committee meetings that you have found valuable for your work?

- Many of the same responses as previous question, with several comments about the new analyses for the draft 2021 plan (e.g. incorporation of climate change)
- Several comments regarding the value of using Council analysis and data in respondent's own work processes, or as a reference to cross-compare with other assumptions



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2021 Plan

In the development of the Council's draft **2021 Power Plan**, are there workbooks, tables, and/or figures that have been presented in advisory committee meetings that you have found valuable for your work?

- Incorporation of climate change
 - Treatment within load forecasting, hydro
 - Climate scenarios selection
- Demand forecast presentations
- Conservation supply curve workbooks
- Demand response supply curves
- Generating resource reference plant data
- Generating project database
- Existing policies analysis, coal retirements
- Emerging generating resource technologies
- Fuel price forecasts
- Resource adequacy assessment & analysis
- Load forecasts
- Social cost of carbon modeling




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Initial staff proposal for consideration in the development of plan content

- Staff to review the summary results, particularly the responses to questions on specific items from the Seventh Plan and draft 2021 Power Plan analysis that pertain to staff subject matter expertise
- Staff to follow-up with individuals, if necessary
- Staff to be mindful of the content identified and called out as particularly valuable by stakeholders as the Council develops the content and supporting materials for the draft 2021 Power Plan
 - For content identified as particularly valuable, are there ways to enhance it? Ways to make it more prominent/easier to find on the proposed web supporting materials?



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Questions? Feedback?



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Thank you to our stakeholders!

The Council's power planning process relies on input from regional stakeholders. We appreciate your help!

