

## **Willamette River Projects Disposition Study Enacted Water Authorization Bill Language**

### SEC. 8220. DISPOSITION STUDY ON HYDROPOWER IN THE WILLAMETTE VALLEY, OREGON.

(a) DISPOSITION STUDY.

(1) IN GENERAL. - The Secretary shall carry out a disposition study to determine the Federal interest in, and identify the effects of, deauthorizing hydropower as an authorized purpose, in whole or in part, of the Willamette Valley hydropower project.

(2) CONTENTS. - In carrying out the disposition study under paragraph (1), the Secretary shall review the effects of deauthorizing hydropower on - (A) Willamette Valley hydropower project operations; (B) other authorized purposes of such project; (C) cost apportionments; (D) dam safety; (E) compliance with the requirements of the Endangered Species Act (16 U.S.C. 1531 et seq.); and (F) the operations of the remaining dams within the Willamette Valley hydropower project.

(3) RECOMMENDATIONS. - If the Secretary, through the disposition study authorized by paragraph (1), determines that hydropower should be removed as an authorized purpose of any part of the Willamette Valley hydropower project, the Secretary shall also investigate and recommend any necessary structural or operational changes at such project that are necessary to achieve an appropriate balance among the remaining authorized purposes of such project or changes to such purposes.

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**Willamette River Projects Disposition Study  
Enacted Water Authorization Bill Language (cont.)**

(b) REPORT. - Not later than 18 months after the date of enactment of this Act, the Secretary shall issue a report to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Environment and Public Works of the Senate that describes - (1) the results of the disposition study on deauthorizing hydropower as a purpose of the Willamette Valley hydropower project; and (2) any recommendations required under sub-section (a)(3).

(c) COSTS. - Until such time as the report required under subsection (b) is issued, any new construction-related expenditures of the Secretary at the Willamette Valley hydropower project that are assigned to hydropower shall not be reimbursable.

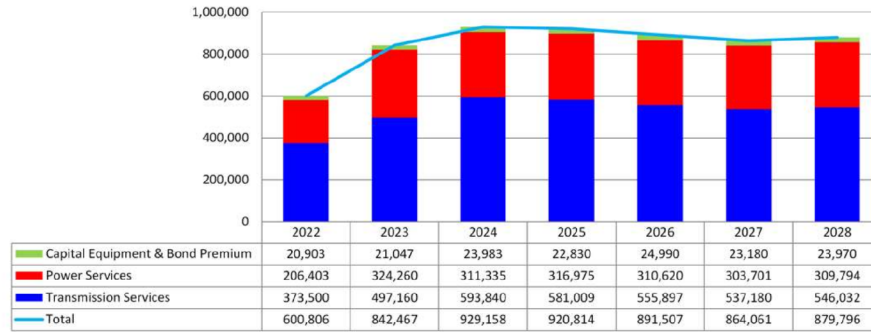
(d) DEFINITION. - In this section, the term "Willamette Valley hydropower project" means the system of dams and reservoir projects authorized to generate hydropower and the power features that operate in conjunction with the main regulating dam facilities, including the Big Cliff, Dexter, and Foster re-regulating dams in the Willamette River Basin, Oregon, as authorized by section 4 of the Flood Control Act of 1938 (chapter 795, 52 Stat. 1222; 62 Stat. 1178; 64 Stat. 177; 68 Stat. 1264; 74 Stat. 499; 100 Stat. 4144).

## Payments to the U.S. Treasury

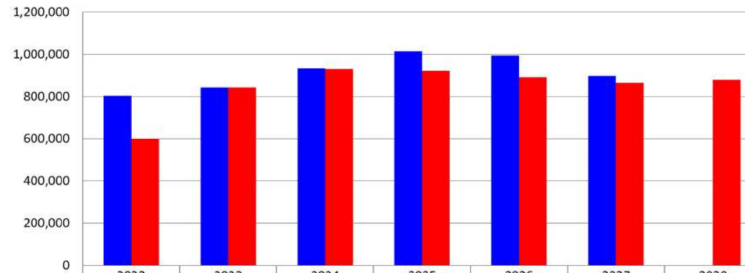
- BPA repays borrowings from the U.S. Treasury with interest at market rates that exceed the Treasury's cost of borrowing. Repaying bonds issued to the U.S. Treasury results in replenishment of available Treasury borrowing authority.
- BPA is a responsible borrower with a 39<sup>th</sup> consecutive year track record of making its annual payment to the U.S. Treasury in full and on time. Additionally, BPA has over a 70-year record of meeting its statutory requirement to repay the Federal investment within the period prescribed by law. BPA made its FY 2022 annual payment to the U.S. Treasury on time and in full for the 39<sup>th</sup> consecutive year.
- Bonneville's FY 2022 payment to the U.S. Treasury of \$943 million was made on time and in full for the 39<sup>th</sup> consecutive year. The payment included \$694 million in principal, which included \$346 million in early retirement of higher interest rate U.S. Treasury debt, \$194 million for interest, \$17 million in irrigation assistance payments, and \$37 million in other payments.
- Bonneville's FY 2023 payment to the U.S. Treasury is currently estimated at approximately \$965 million. Based on second-quarter FY 2023 financial results, operating conditions and financial reserves, Bonneville fully expects to make its FY 2023 Treasury payment on time and in full.
- In recent years, BPA has made amortization payments in excess of those scheduled in its FERC-approved rate filings resulting in a cumulative amount of advance amortization as of the end of FY 2022 in excess of \$6.2 billion.

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### FY 2024 Budget Estimates Capital Investments – Excluding PFIA<sup>1</sup>



### FY 2024 vs FY 2023 Budget Estimates Capital Investments – Excluding PFIA<sup>1</sup>

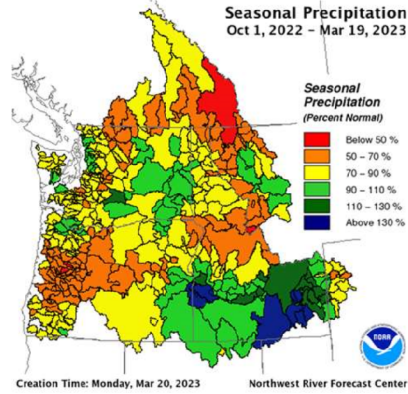
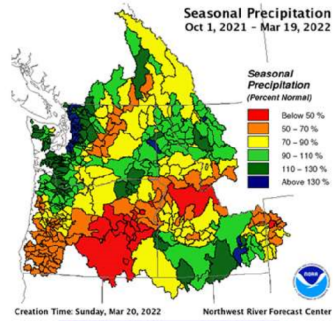


	2022	2023	2024	2025	2026	2027	2028
FY 2023 Congressional Budget	804,885	842,468	933,759	1,015,197	993,701	897,435	
FY 2024 Congressional Budget	600,808	842,468	929,159	920,814	891,507	864,061	879,796

### FY 2024 Budget Estimates Capital Investments – Including PFIA

POWER- Capital	2022	2023	2024
	actual/outlay	accrual	accrual
Associated Project Costs	190,293	281,260	270,000
Fish & Wildlife	16,119	43,000	41,335
BUREAU OF RECLAMATION	33,230	51,974	68,925
CORPS OF ENGINEERS	178,925	229,286	201,075
<b>Subtotal</b>	<b>206,413</b>	<b>324,260</b>	<b>311,335</b>
Proj Funded in Advance			
<b>Total, Power Services - Capital</b>	<b>206,413</b>	<b>324,260</b>	<b>311,335</b>
TRANSMISSION- Capital	2022	2023	2024
	actual/outlay	accrual	accrual
Main Grid	7,013	6,219	38,285
Area & Customer Services	38,907	71,520	38,285
Upgrades & Addition	63,668	113,430	151,074
Systems Replacements	263,912	305,991	366,197
<b>Subtotal</b>	<b>373,500</b>	<b>497,160</b>	<b>593,840</b>
Proj Funded in Advance	120,536	61,166	45,924
<b>TOTAL, Trans. - Capital</b>	<b>494,036</b>	<b>558,327</b>	<b>639,764</b>
CAPITAL EQUIPMENT	2022	2023	2024
	actual/outlay	accrual	accrual
Capital Equipment	20,905	21,047	23,983
Capitalized Bond Premium	0	0	0
<b>TOTAL, Cap. Equip. - Capital</b>	<b>20,905</b>	<b>21,047</b>	<b>23,983</b>

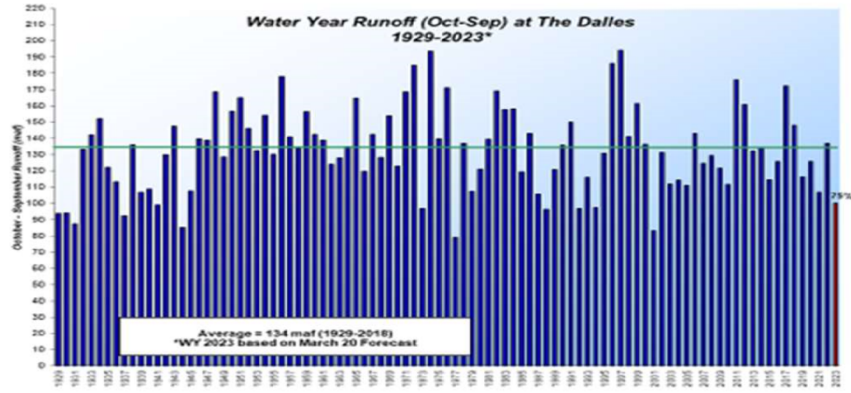
### Water Supply Information: Observed Precipitation



Climate conditions as they existed approximately one year ago are reflected in the map shown above.

# Water Year Runoff – Historical Raking

## Water Year Runoff – Historical Ranking





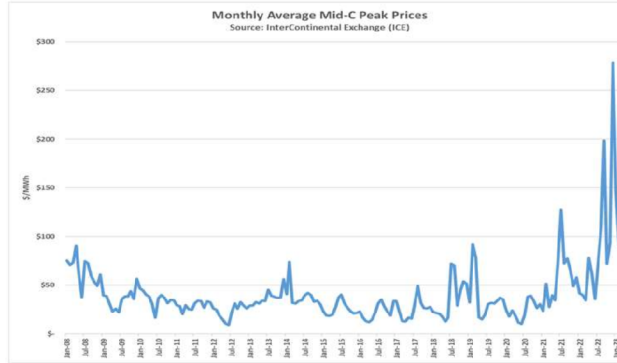
## 2023 Water Supply Forecast

NWS Official Water Supply Forecasts  
 Volume at The Dalles, January-July and April-August 2022  
*all forecasts include 10 days of QPF*

Date	Jan-Jul Median	% Avg	Apr-Aug Median	% Avg
10/3	92.0	89%	81.9	92%
10/17	94.0	91%	85.0	95%
11/7	90.1	87%	81.5	91%
11/14	86.5	83%	77.7	87%
<b>12/5</b>	<b>82.6</b>	<b>80%</b>	<b>73.5</b>	<b>82%</b>
12/12	79.2	76%	70.4	79%
<b>1/5</b>	<b>84.9</b>	<b>82%</b>	<b>72.4</b>	<b>81%</b>
1/17	83.8	81%	71.6	80%
<b>2/3</b>	<b>80.1</b>	<b>77%</b>	<b>72.8</b>	<b>82%</b>
2/15	83.4	80%	75.4	85%
<b>3/3</b>	<b>79.8</b>	<b>77%</b>	<b>74.0</b>	<b>83%</b>
3/13	80.2	77%	75.1	84%
3/20	78.1	75%	73.2	82%

1991-2020 average **103.7 MAF** **89.2 MAF**  
 Forecasts in **Bold** used for monthly FCRPS flood risk and operations

## Market Prices



## FY 2023 Key Strategic Initiative

Key Strategic Initiatives (KSIs) are specific strategies and efforts to achieve critical BPA objectives or close significant gaps over multiple years in a phased, programmatic approach. BPA's FY 2023 KSI is as follows:

**Grid Modernization:** Bonneville continues a cross-agency grid modernization initiative. Bonneville's reliance on legacy systems and non-standard commercial practices are costly to maintain and have led to being conservative in its power and transmission operations, planning, and marketing.

The grid modernization initiative focuses on five areas of effort:

- Operational modernization
- Commercial modernization
- Energy Imbalance Market implementation
- Mission critical information technology improvements
- Improvements to core business practices

Part of the FY22 grid modernization scope was for Bonneville to evaluate joining the Western Energy Imbalance Market (EIM) and enabling Federal and non-federal resources in its service area to access that market. Bonneville joined the EIM after extensive consultations with its customers and constituents through regular public workshops. Bonneville continues to hold public workshops to report on EIM performance and operational issues.

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Wednesday, March 22, 2023 10:45 AM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** RE: RE: For Docket ID No. COE-2023-0002 Comments of the Bonneville Power Administration for Section 8220

Great! You'll be pulling my mind away from California...

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Wednesday, March 22, 2023 10:42 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>  
**Subject:** Fwd: RE: For Docket ID No. COE-2023-0002 Comments of the Bonneville Power Administration for Section 8220

I will touch base with you about the conversation we had. Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

----- Forwarded message -----

From: "Kopecky, Steven A CIV USARMY CEHQ (USA)" <[Steven.Kopecky@usace.army.mil](mailto:Steven.Kopecky@usace.army.mil)>

Date: Mar 22, 2023 1:32 PM

Subject: RE: For Docket ID No. COE-2023-0002 Comments of the Bonneville Power Administration for Section 8220

To: "Baskerville,Sonya L (BPA) - AIN-WASH" <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>

Cc:

Thanks Sonya, always great to chat. I will share these with the team, and please send me the paper, as we are getting into the scoping phase in the next few weeks.

Steve

Steven Kopecky  
Deputy Chief, Northwestern and Pacific Ocean  
Divisions-Regional Integration Team  
Headquarters, US Army Corps of Engineers  
(202) 761-4527 (office)

(b)(6) (cell)

[steven.kopecky@usace.army.mil](mailto:steven.kopecky@usace.army.mil)

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Wednesday, March 22, 2023 1:03 PM  
**To:** Kopecky, Steven A CIV USARMY CEHQ (USA) <[Steven.Kopecky@usace.army.mil](mailto:Steven.Kopecky@usace.army.mil)>

**Subject:** [Non-DoD Source] Fwd: For Docket ID No. COE–2023–0002 Comments of the Bonneville Power Administration for Section 8220

Hey there. Good to chat yesterday! Here are the comments we provided on the implementation guidance. I will send you the paper we wrote describing how BPA thinks the power interest analysis could be done. Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

----- Forwarded message -----

From: "Marker,Doug R (BPA) - AIR-7" <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>

Date: Mar 20, 2023 2:24 PM

Subject: For Docket ID No. COE–2023–0002 Comments of the Bonneville Power Administration for Section 8220

To: [WRDA2022@usace.army.mil](mailto:WRDA2022@usace.army.mil)

Cc: "Baskerville,Sonya L (BPA) - AIN-WASH" <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>

Good afternoon – attached are the comments of the Bonneville Power Administration for implementation guidance for Section 8220 of the Water Resources Development Act of 2022. I am also attaching for reference comments that Bonneville submitted to the Portland District on the draft Programmatic Environmental Impact Statement for the Willamette Valley System. Please let me know if I can provide additional information

Thank you for this opportunity.

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)

(b)(6) phone and text

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH  
**Sent:** Thursday, April 6, 2023 10:27 AM  
**To:** Todd,Wayne A (BPA) - PGA-6; Marker,Doug R (BPA) - AIR-7; Welch,Julee A (BPA) - LP-7; Ledy Jr,William J (BPA) - PG-5; Spear,Daniel J (BPA) - PGB-5; Kintz,Jesse H (BPA) - PG-5; Sinters,Anne E (BPA) - LN-7; Nagra,Angad S (BPA) - LN-7; Smith,Glen A (BPA) - PG-5; Sullivan,Leah S (BPA) - PGB-5  
**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

Yep, just noticed that was about the lock.

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Apr 6, 2023 1:15 PM, "Spear,Daniel J (BPA) - PGB-5" <djspear@bpa.gov> wrote:  
Hello:

Willamette Falls Lock is owned by the Corps (although the Willamette Falls Dam itself is owned by PGE) and it has not functioned as a working navigation lock for quite some time. The Willamette Falls Lock Disposition study is a discrete effort by the Corps to dispossess themselves of the Willamette Falls Lock and possibly give it to the Grande Ronde tribe, which may have an interest in that area as part of their management of lamprey.

The broader Power Purpose Disposition study may be funded out of investigations, but it is a completely different effort than the disposition study concerning just the NavLock.

Best,

Daniel Spear

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**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Thursday, April 6, 2023 12:36 PM  
**To:** Ledy Jr,William J (BPA) - PG-5 <wjleady@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Todd,Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>; Sinters,Anne E (BPA) - LN-7 <aesinters@bpa.gov>; Nagra,Angad S (BPA) - LN-7 <ASNagra@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>  
**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

The Corps has mentioned that the study would be "100% federally funded" and non-reimbursable to BPA but I haven't heard any specifics including whether it's the I bucket that Bill mentions below. This may come up at the meeting on Tuesday and if so, can pass along.

-Jesse

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**From:** Ledy Jr,William J (BPA) - PG-5 <wjleady@bpa.gov>  
**Sent:** Thursday, April 6, 2023 9:00 AM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Todd,Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Spear,Daniel J (BPA)

- PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>  
**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

I would assume it's I (investigations) but it's been eight years since I was in the Corps and I was not very good at it then so we should verify.

I checked my memory with a google search and found this , Willamette Falls Disposition Study was funded under I

#### [FY 2020 U.S. Army Corps of Engineers Agency Financial Report](#)

The USACE-CW program includes work funded directly to the USACE-CW through Energy and Water Development (E&WD) appropriations through nine accounts – Investigations (I), Construction (C), Operation and Maintenance (O&M), Mississippi River & Tributaries (MR&T), Flood Control and Coastal Emergencies (FCCE), Regulatory, Expenses, Formerly Utilized Sites Remedial Action Program (FUSRAP), and the Office of the Assistant Secretary of the Army for Civil Works (OASA-CW). The USACE-CW program also includes work funded by others, using their funds, under reimbursable authorities such as the Economy Act.

#### Performance Results – Investigations

Investigations funds were used in FY 2020 to evaluate the benefits and costs of options for navigation improvements, the pre-construction engineering and design cost of navigation improvements, and for programmatic Remaining Items for Navigation, such as Research and Development. Examples of potential investments under consideration in these studies are (1) lock replacements and inland waterways channel improvements; and (2) deepening and/or widening of coastal harbors and channels. USACE-CW completed the following 14 navigation feasibility studies in FY 2020:

- „ GIWW – Brazos River Floodgates & Colorado River Lock, TX
- „ Corpus Christi Ship Channel, TX (Deepening and Widening and Barge Shelves) (Post Authorization Change Report)
- 28 FY 2020 United States Army Corps of Engineers Agency Financial Report
- „ Matagorda Ship Channel (Widening and Deepening), TX
- „ **Willamette Falls Locks, Willamette River, OR (Disposition Study)**

#### **Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>

**Sent:** Thursday, April 6, 2023 7:20 AM

**To:** Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>

**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

Hey, all. Question: do we know what pot of money the Corps is using to begin the disposition study work? A T&I staff is interested in pinpointing where the money is coming from. It seems they want to make sure the

Corps really does have funding available. Curious they haven't simply asked the Corps, but they could be doing a trust and verify check. Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Apr 4, 2023 11:26 AM, "Marker,Doug R (BPA) - AIR-7" <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)> wrote:  
Good morning, Bill. I asked Jesse to make that point to our sponsors because of the significance of not knowing how the Corps will represent issues that are our expertise and authority.

This places us in the position of having to challenge the Corps' report with the committee staff and Northwest delegation, instead of collaborating on what the report will say about issues such as transmission system impacts and hydro generation.

A preferable option, in my opinion, is for the district and/or division to present their findings with our comments and any response they have.

If they hold their information to themselves, that's going to be a difficult precedent for how they work with us on the disposition studies.

I think we should try to maintain a "no surprises" relationship with the Corps. (b)(5)

(b)(5)

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**From:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>

**Sent:** Monday, April 3, 2023 4:41 PM

**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>

**Cc:** Ashby,Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>

**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

Jesse,

Good update, thanks.

One point

-Corps shared that the WRDA 2020 report on Cougar/Detroit has cleared Corps HQ and is now at ASA Civil Works level. Not sure when final report will be shared with Congress. Gave example of some WRDA 2018 items just recently being shared for perspective.

-BPA asked if any additional BPA opportunities for review and Corps confirmed no. BPA reiterated that we view the impact on other purposes as an unresolved issue in that report and requested that at minimum the BPA perspective is shared alongside Corps'.



(b)(5)

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

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**From:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>

**Sent:** Monday, April 3, 2023 12:06 PM

**To:** Leady Jr, William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Senters, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra, Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Maslow, Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai, Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Wingert, Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>

**Cc:** Ashby, Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Todd, Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>

**Subject:** Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

All,  
Below is a recap from the most recent monthly meeting we had with the Corps on the Willamette, along with a few notes on the planned approach to the upcoming planning meeting with the Corps on disposition study. Let me know if any questions.

-Jesse

BPA-Corps monthly Willamette meeting (3/20/23):

- Corps has finalized 4/11 as date for an all day disposition study planning/scoping meeting called a "charrette". BPA invited. Attendees are likely to be planning-focused, disposition study leads, economists, possibly real estate or budgeting (middle levels, not execs). Meeting should help clarify the analysis to do for federal interest. Corps is emphasizing achieving vertical alignment up to HQ/Army level.
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**Jesse Kintz**

Power Generation – Senior Policy and Project Lead | [PG-2]

**BONNEVILLE POWER ADMINISTRATION**

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---

**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Tuesday, April 4, 2023 9:24 AM  
**To:** Leady Jr,William J (BPA) - PG-5  
**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

I retain my optimism!

Thanks, Bill.

---

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**Sent:** Tuesday, April 4, 2023 9:20 AM  
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**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

I agree with you, I'm just saying don't hold your breath.

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

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I think we should try to maintain a "no surprises" relationship with the Corps. (b)(5)

(b)(5)

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<[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>

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(b)(5)



**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

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**To:** Baskerville,Sonya L (BPA) - AIN-WASH; Marker,Doug R (BPA) - AIR-7; Welch,Julee A (BPA) - LP-7; Leady Jr,William J (BPA) - PG-5; Spear,Daniel J (BPA) - PGB-5; Kintz,Jesse H (BPA) - PG-5; Senters,Anne E (BPA) - LN-7; Nagra,Angad S (BPA) - LN-7; Smith,Glen A (BPA) - PG-5  
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My assumption/understanding is that they are carving out appropriated funding for this work, but not aware of any more detailed information than that.

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Hey, all. Question: do we know what pot of money the Corps is using to begin the disposition study work? A T&I staff is interested in pinpointing where the money is coming from. It seems they want to make sure the Corps really does have funding available. Curious they haven't simply asked the Corps, but they could be doing a trust and verify check. Thanks.

Sonya Baskerville  
BPA National Relations  
(b)(6) m

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Power Generation – Senior Policy and Project Lead | [PG-2]

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**Sent:** Thursday, April 6, 2023 4:13 PM  
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**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

Dan is correct, I may have communicated poorly, I was trying to state here (the lock) is an example of a disposition study and in is funded under the Investigations program.

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

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Hello:

Willamette Falls Lock is owned by the Corps (although the Willamette Falls Dam itself is owned by PGE) and it has not functioned as a working navigation lock for quite some time. The Willamette Falls Lock Disposition study is a discrete effort by the Corps to dispossess themselves of the Willamette Falls Lock and possibly give it to the Grande Ronde tribe, which may have an interest in that area as part of their management of lamprey.

The broader Power Purpose Disposition study may be funded out of investigations, but it is a completely different effort than the disposition study concerning just the NavLock.

Best,

Daniel Spear

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**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
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The Corps has mentioned that the study would be “100% federally funded” and non-reimbursable to BPA but I haven’t heard any specifics including whether it’s the I bucket that Bill mentions below. This may come up at the meeting on Tuesday and if so, can pass along.

-Jesse

---

**From:** Leady Jr,William J (BPA) - PG-5 <[wileady@bpa.gov](mailto:wileady@bpa.gov)>

**Sent:** Thursday, April 6, 2023 9:00 AM

**To:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>

**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

I would assume it’s I (investigations) but it’s been eight years since I was in the Corps and I was not very good at it then so we should verify.

I checked my memory with a google search and found this , Willamette Falls Disposition Study was funded under I

[FY 2020 U.S. Army Corps of Engineers Agency Financial Report](#)

The USACE-CW program includes work funded directly to the USACE-CW through Energy and Water Development (E&WD) appropriations through nine accounts – Investigations (I), Construction (C), Operation and Maintenance (O&M), Mississippi River & Tributaries (MR&T), Flood Control and Coastal Emergencies (FCCE), Regulatory, Expenses, Formerly Utilized Sites Remedial Action Program (FUSRAP), and the Office of the Assistant Secretary of the Army for Civil Works (OASA-CW). The USACE-CW program also includes work funded by others, using their funds, under reimbursable authorities such as the Economy Act.

Performance Results – Investigations

Investigations funds were used in FY 2020 to evaluate the benefits and costs of options for navigation improvements, the pre-construction engineering and design cost of navigation improvements, and for programmatic Remaining Items for Navigation, such as Research and Development. Examples of potential investments under consideration in these studies are (1) lock replacements and inland waterways channel improvements; and (2) deepening and/or widening of coastal harbors and channels. USACE-CW completed the following 14 navigation feasibility studies in FY 2020:

- „ GIWW – Brazos River Floodgates & Colorado River Lock, TX
- „ Corpus Christi Ship Channel, TX (Deepening and Widening and Barge Shelves) (Post Authorization Change Report)
- 28 FY 2020 United States Army Corps of Engineers Agency Financial Report
- „ Matagorda Ship Channel (Widening and Deepening), TX
- „ **Willamette Falls Locks, Willamette River, OR (Disposition Study)**

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

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**From:** Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>

**Sent:** Thursday, April 6, 2023 7:20 AM

**To:** Todd, Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Leady Jr, William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Senters, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra, Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>

**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

Hey, all. Question: do we know what pot of money the Corps is using to begin the disposition study work? A T&I staff is interested in pinpointing where the money is coming from. It seems they want to make sure the Corps really does have funding available. Curious they haven't simply asked the Corps, but they could be doing a trust and verify check. Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Apr 4, 2023 11:26 AM, "Marker, Doug R (BPA) - AIR-7" <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)> wrote:

Good morning, Bill. I asked Jesse to make that point to our sponsors because of the significance of not knowing how the Corps will represent issues that are our expertise and authority.

This places us in the position of having to challenge the Corps' report with the committee staff and Northwest delegation, instead of collaborating on what the report will say about issues such as transmission system impacts and hydro generation.

A preferable option, in my opinion, is for the district and/or division to present their findings with our comments and any response they have.

If they hold their information to themselves, that's going to be a difficult precedent for how they work with us on the disposition studies.

I think we should try to maintain a "no surprises" relationship with the Corps. (b)(5)

(b)(5)

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**From:** Leady Jr, William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>

**Sent:** Monday, April 3, 2023 4:41 PM

**To:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Senters, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra, Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Maslow, Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai, Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Wingert, Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>

**Cc:** Ashby, Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Todd, Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>

**Subject:** RE: Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

Jesse,

Good update, thanks.

## One point

-Corps shared that the WRDA 2020 report on Cougar/Detroit has cleared Corps HQ and is now at ASA Civil Works level. Not sure when final report will be shared with Congress. Gave example of some WRDA 2018 items just recently being shared for perspective.

-BPA asked if any additional BPA opportunities for review and Corps confirmed no. BPA reiterated that we view the impact on other purposes as an unresolved issue in that report and requested that at minimum the BPA perspective is shared alongside Corps'.

(b)(5)

### Bill Leady P.E.

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

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**From:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>

**Sent:** Monday, April 3, 2023 12:06 PM

**To:** Leady Jr, William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Senters, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra, Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Maslow, Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai, Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Wingert, Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>

**Cc:** Ashby, Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Todd, Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>

**Subject:** Recap of 3/20 Corps meeting and prep for 4/11 disposition study meeting with Corps

All,  
Below is a recap from the most recent monthly meeting we had with the Corps on the Willamette, along with a few notes on the planned approach to the upcoming planning meeting with the Corps on disposition study. Let me know if any questions.

-Jesse

#### BPA-Corps monthly Willamette meeting (3/20/23):

-Corps has finalized 4/11 as date for an all day disposition study planning/scoping meeting called a "charrette". BPA invited. Attendees are likely to be planning-focused, disposition study leads, economists, possibly real estate or budgeting (middle levels, not execs). Meeting should help clarify the analysis to do for federal interest. Corps is emphasizing achieving vertical alignment up to HQ/Army level.

-Corps confirmed that BPA is the only other federal agency invited to the 4/11 meeting (good sign that they agree with/acknowledge our significant role).

-Corps reiterated that the 18 month disposition study deadline is very short, so they will need to phase the work into what they can do for 18 months, and what would be after.

-Corps now says that they may not get any implementation guidance from the Army on the disposition study provision (WRDA 2022 Sec 8220). This is a change from before when they said guidance was likely.

-Corps shared that the WRDA 2020 report on Cougar/Detroit has cleared Corps HQ and is now at ASA Civil Works level. Not sure when final report will be shared with Congress. Gave example of some WRDA 2018 items just recently being shared for perspective.

-BPA asked if any additional BPA opportunities for review and Corps confirmed no. BPA reiterated that we view the impact on other purposes as an unresolved issue in that report and requested that at minimum the BPA perspective is shared alongside Corps'.

-BPA shared our chart with the categories of Willamette analysis we are working on for federal interest determination.

-Corps mentioned that they plan to include temperature and flow considerations as part of federal interest.

-BPA mentioned the budget language mentioning an OMB meeting and joint proposal for FY2025 budget. Corps had not heard much on this yet.

-After the meeting BPA sent copy of budget language and our WRDA 2022 Sec 8220 implementation comments we sent to Army.

#### BPA approach to 4/11 disposition study planning meeting:

-Corps plans to send an agenda by middle of this week.

-Potential BPA attendees: Jesse Kintz, Glen Smith, Julee Welch, PGA rep (Wayne Todd and/or Gordon Ashby), possibly a PGS rep (TBD). Will finalize attendees after receiving agenda.

-BPA to compile set of talking points this week to prepare for the meeting. Jesse will draft and send to team for input, and set up a pre-meeting for the attendees.

-BPA will also get opportunity to provide some brief opening remarks after the Corps does theirs. Can use talking points, I will likely be the one doing this, will coordinate with others as needed.

#### **Jesse Kintz**

Power Generation – Senior Policy and Project Lead | [PG-2]

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[bpa.gov](http://bpa.gov) | P 503-230-3340 | C (b)(6)

---

**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Friday, January 20, 2023 2:03 PM  
**To:** Biegel,Sarah T (BPA) - EC-4  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

You always give me helpful edits. I know Jesse is also working on it again and I'm talking to him later this afternoon, so will look for yours.

Thanks!

---

**From:** Biegel,Sarah T (BPA) - EC-4 <[stbiegel@bpa.gov](mailto:stbiegel@bpa.gov)>  
**Sent:** Friday, January 20, 2023 2:01 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Conning III,Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

Hi Doug,

I proposed some edits for your consideration in the document.

Thank you,  
Sarah

Sarah Thompson Biegel  
NEPA Compliance Officer

Bonneville Power Administration  
905 NE 11<sup>th</sup> Avenue  
Portland, OR 97232  
(503) 230-3920

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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>  
**Sent:** Thursday, January 19, 2023 4:59 PM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Biegel,Sarah T (BPA) - EC-4 <[stbiegel@bpa.gov](mailto:stbiegel@bpa.gov)>; Conning III,Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** Revised draft introductory comments to Corps on Willamette draft PEIS

<https://portal.bud.bpa.gov/sites/WillametteEIS/Shared%20Documents/BPA%20comments%20on%20Draft%20PEIS%20-%20draft%20of%2001-18-23.docx>

I've incorporated the edits I received and have a reasonably clean (formatting remains a challenge) version to discuss with Bill Leady. Again, I began drafting this as a document that can be shared with constituencies and elected officials. I think it's important to keep the focus on the disposition studies as the process for determining continuing federal interest in hydropower from the dams and then whether the appropriate course is deauthorization of the power purpose or revising the cost allocations for the power purpose.

Jesse has scheduled a meeting with Bill next week to discuss.

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)

(b)(6)

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**From:** Kintz,Jesse H (BPA) - PG-5  
**Sent:** Friday, January 20, 2023 12:41 PM  
**To:** Marker,Doug R (BPA) - AIR-7  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

Got it- I'm reviewing with that in mind. I've started adding a few comments/edits which I will finish after lunch, and I set up a time this afternoon for us to discuss.

-Jesse

---

**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Friday, January 20, 2023 10:02 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

I'd like to ask Tom Conning to take his hand at editing for clarity, but I wanted to get the substance confirmed.

---

**From:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Sent:** Friday, January 20, 2023 9:19 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

Thanks, Doug. I plan to take one more read through this today and will let you know if I have any other comments/edits to discuss before we take to Bill.

-Jesse

---

**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Thursday, January 19, 2023 4:59 PM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Biegel,Sarah T (BPA) - EC-4 <[stbiegel@bpa.gov](mailto:stbiegel@bpa.gov)>; Conning III,Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** Revised draft introductory comments to Corps on Willamette draft PEIS

<https://portal.bud.bpa.gov/sites/WillametteEIS/Shared%20Documents/BPA%20comments%20on%20Draft%20PEIS%20-%20draft%20of%2001-18-23.docx>

I've incorporated the edits I received and have a reasonably clean (formatting remains a challenge) version to discuss with Bill Leady. Again, I began drafting this as a document that can be shared with constituencies and elected officials. I think it's important to keep the focus on the disposition studies as the process for determining continuing federal interest in hydropower from the dams and then whether the appropriate course is deauthorization of the power purpose or revising the cost allocations for the power purpose.



Jesse has scheduled a meeting with Bill next week to discuss.

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)

(b)(6)

---

**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Tuesday, January 24, 2023 8:32 AM  
**To:** Conning III,Edward Thomas (BPA) - DKP-7  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

I looked at your edits yesterday evening. Thanks very much. Jesse and I are meeting with Bill Leady this morning to discuss.

---

**From:** Conning III,Edward Thomas (BPA) - DKP-7 <ETConning@bpa.gov>  
**Sent:** Tuesday, January 24, 2023 7:38 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

You're welcome!

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

**BONNEVILLE POWER ADMINISTRATION**

[ETConning@bpa.gov](mailto:ETConning@bpa.gov) | O: 503-230-3832 | C: (b)(6)



---

**From:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Sent:** Monday, January 23, 2023 4:13 PM  
**To:** Conning III,Edward Thomas (BPA) - DKP-7 <ETConning@bpa.gov>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

Thank you, Tom! I'll take a look and let Jesse know you've gone through it.

---

**From:** Conning III,Edward Thomas (BPA) - DKP-7 <ETConning@bpa.gov>  
**Sent:** Monday, January 23, 2023 3:24 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

Doug,

I've gone through and tried to edit. I tried not to use a heavy hand since I know this has gone through a lot already!

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

**BONNEVILLE POWER ADMINISTRATION**

[ETConning@bpa.gov](mailto:ETConning@bpa.gov) | O: 503-230-3832 | C: (b)(6)



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**From:** Marker, Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>  
**Sent:** Monday, January 23, 2023 1:23 PM  
**To:** Conning III, Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

No. It should be in active voice (as much as possible), making our points politely, but forthrightly.

---

**From:** Conning III, Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Sent:** Monday, January 23, 2023 1:21 PM  
**To:** Marker, Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>  
**Subject:** RE: Revised draft introductory comments to Corps on Willamette draft PEIS

Doug,

To clarify, you are okay with passive voice within this document? Or, do you want me to make active voice suggestions?

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

**BONNEVILLE POWER ADMINISTRATION**

[ETConning@bpa.gov](mailto:ETConning@bpa.gov) | O: 503-230-3832 | C: (b)(6)



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**From:** Marker, Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>  
**Sent:** Thursday, January 19, 2023 4:59 PM  
**To:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow, Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai, Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Biegel, Sarah T (BPA) - EC-4 <[stbiegel@bpa.gov](mailto:stbiegel@bpa.gov)>; Conning III, Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>; Senter, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra, Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Dondy-Kaplan, Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** Revised draft introductory comments to Corps on Willamette draft PEIS

<https://portal.bud.bpa.gov/sites/WillametteEIS/Shared%20Documents/BPA%20comments%20on%20Draft%20PEIS%20-%20draft%20of%2001-18-23.docx>

I've incorporated the edits I received and have a reasonably clean (formatting remains a challenge) version to discuss with Bill Leady. Again, I began drafting this as a document that can be shared with constituencies and elected officials. I think it's important to keep the focus on the disposition studies as the process for determining continuing federal interest in hydropower from the dams and then whether the appropriate course is deauthorization of the power purpose or revising the cost allocations for the power purpose.

Jesse has scheduled a meeting with Bill next week to discuss.

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)  
(b)(6)

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**From:** Dondy-Kaplan,Hannah A (BPA) - AIR-7  
**Sent:** Tuesday, March 7, 2023 8:45 AM  
**To:** Marker,Doug R (BPA) - AIR-7  
**Subject:** RE: Sonya would like to include more people in meeting with Suzanne Kunse

Just heard back that she'd like to wait for a larger group—I'll reach out to Troy after our meeting this morning,

Hannah

---

**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Friday, March 3, 2023 6:54 AM  
**To:** Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** Sonya would like to include more people in meeting with Suzanne Kunse

Hi – let's talk when youre back

---

**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Friday, March 3, 2023 6:40 AM  
**To:** Marty Kanner <[mkanner@KANNERANDASSOC.COM](mailto:mkanner@KANNERANDASSOC.COM)>; Samantha McDonald <[Smcdonald@kannerandassoc.com](mailto:Smcdonald@kannerandassoc.com)>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Subject:** Willamette update

Hey there. Yesterday, John and I met with Grand Rhonde tribe who are support the deauthorization and are worried about whether the Corps will actually work expeditiously and effectively to conclude the disposition studies. Mark Dedrick is representing them back here (of course not with T&I).

Mark has some past experience dealing with the Corps on disposition studies on another project purpose (I think a levee or something), so he could provide helpful advice on watching out for the "slowdown" points the Corps may interject into the process.

We are trying to set-up a time to meet with Suzanne Knuse. It would be great if we could have a joint meeting of BPA, you, Native Fish Society and WildEarth Guardian reps, and Mark to discuss next steps for the studies.

Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

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**From:** Spear, Daniel J (BPA) - PGB-5  
**Sent:** Friday, January 27, 2023 8:46 AM  
**To:** Kintz, Jesse H (BPA) - PG-5; Marker, Doug R (BPA) - AIR-7; Baskerville, Sonya L (BPA) - AIN-WASH; Smith, Glen A (BPA) - PG-5; Welch, Julee A (BPA) - LP-7; Sinters, Anne E (BPA) - LN-7; Nagra, Angad S (BPA) - LN-7; Ashby, Gordon S (BPA) - PGA-6; Maslow, Jeffrey J (BPA) - EC-4  
**Cc:** Sullivan, Leah S (BPA) - PGB-5  
**Subject:** RE: Summary and notes from 1/23/23 meeting with Corps on Willamette disposition study and cost allocation

Thank you for the clarification, Jesse.

---

**From:** Kintz, Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Thursday, January 26, 2023 4:46 PM  
**To:** Spear, Daniel J (BPA) - PGB-5 <djspear@bpa.gov>; Marker, Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville, Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Smith, Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Welch, Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Sinters, Anne E (BPA) - LN-7 <aesinters@bpa.gov>; Nagra, Angad S (BPA) - LN-7 <ASNagra@bpa.gov>; Ashby, Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>; Maslow, Jeffrey J (BPA) - EC-4 <jjmaslow@bpa.gov>  
**Cc:** Sullivan, Leah S (BPA) - PGB-5 <lsullivan@bpa.gov>  
**Subject:** RE: Summary and notes from 1/23/23 meeting with Corps on Willamette disposition study and cost allocation

Hi Dan,

The comment is referring to the fact that the study will assess whether deauthorization of hydropower makes sense for all or only some Willamette hydropower projects. That is the way the Corps was thinking about it. This is the language it refers to:

(a) DISPOSITION STUDY.—

(1) IN GENERAL.—The Secretary shall carry out a disposition study to determine the Federal interest in, and identify the effects of, deauthorizing hydropower as an authorized purpose, in whole or in part, of the Willamette Valley hydropower project.

Hope that helps clarify.  
-Jesse

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**From:** Spear, Daniel J (BPA) - PGB-5 <djspear@bpa.gov>  
**Sent:** Tuesday, January 24, 2023 2:09 PM  
**To:** Kintz, Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Marker, Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville, Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Smith, Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Welch, Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Sinters, Anne E (BPA) - LN-7 <aesinters@bpa.gov>; Nagra, Angad S (BPA) - LN-7 <ASNagra@bpa.gov>; Ashby, Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>; Maslow, Jeffrey J (BPA) - EC-4

<jjmaslow@bpa.gov>

Cc: Sullivan, Leah S (BPA) - PGB-5 <lsullivan@bpa.gov>

Subject: RE: Summary and notes from 1/23/23 meeting with Corps on Willamette disposition study and cost allocation

Hello Jesse:

Thanks for the update and summary.

I was a little surprised by this: *“in whole or in part” – Corps sees this as some projects not all*

It seemed to me that the WRDA language was very clear that the disposition studies were meant to study the “national interest” of maintaining federal power in the entire system. Was your impression that “some projects not all” was meant to distinguish the eight dams (out of thirteen) that produce federally marketable power? Or, did the Corps seem to indicate that the disposition study would only apply to some subset of the eight power producing dams?

Best Regards,

Daniel Spear

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**From:** Kintz, Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>

**Sent:** Tuesday, January 24, 2023 12:45 PM

**To:** Leady Jr, William J (BPA) - PG-5 <wjleady@bpa.gov>; Marker, Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville, Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Todd, Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Smith, Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Welch, Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Sinters, Anne E (BPA) - LN-7 <aesinters@bpa.gov>; Nagra, Angad S (BPA) - LN-7 <ASNagra@bpa.gov>; Spear, Daniel J (BPA) - PGB-5 <djspear@bpa.gov>; Maslow, Jeffrey J (BPA) - EC-4 <jjmaslow@bpa.gov>; Mai, Amy E (BPA) - EC-4 <aemai@bpa.gov>; Conning III, Edward Thomas (BPA) - DKP-7 <ETConning@bpa.gov>

**Cc:** Ashby, Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>; Welch, Julee A (BPA) - LP-7 <jawelch@bpa.gov>

**Subject:** Summary and notes from 1/23/23 meeting with Corps on Willamette disposition study and cost allocation

All,

Below are the notes from our meeting with the Corps yesterday. In summary, the Corps is getting going on disposition studies but still has a lot of questions about scope and expects to sort through them, with BPA input, over next 3 months or so. The Corps is not yet sure what their view is on BPA's role. The Corps also has been looking into cost allocation methodologies and had some questions for BPA that are being followed up on (interesting to see that there's been some movement here for first time in awhile). BPA shared that we'll be working on our economic analysis and will share it with the Corps.

Julee/Gordon, please add or highlight anything I may have missed.

-Jesse

### Corps-BPA Willamette Monthly – 1/23/23

1. WRDA 2022 Congressional direction language – INFORM/DISCUSS (Corps/BPA)

*Highlighted the phrase “in whole or in part” – Corps sees this as some projects not all. Highlighted that commercial power could also fit here.*

*Highlighted the phrase “for hydropower” – Corps agreed that “by and large” the intention for the study and the focus is consideration of deauthorizing hydropower only (but can't 100% guarantee anything)*

*Highlighted cost provision “new construction... not reimbursable” and agreed more discussion is needed between BPA/Corps to clarify*

2. *Disposition studies status – INFORM (Corps)*

*Getting team going – have had a few initial meetings with NWP*

*Corps will seek public comment for 60 days (BPA can comment) to inform implementation guidance and “ensure a national perspective”*

*18mo timeframe, limited funding means study may be more conceptual with follow on pieces needed (including NEPA, possibly dam safety modeling)*

*No exact dates but in first ~4 months / by Spring/April – nail down scoping. Joint agency meetings, open to ideas to contribute. Answer is it a viable effort? Line up vertical team and range of alternatives. Include how to go about determining federal interest*

*Federal interest very different than typical disposition study (i.e. obvious that locks not useful anymore but this is different)*

3. *Disposition studies: scoping and BPA’s role – DISCUSS (Corps + BPA)*

*Jesse shared BPA’s view that it should have significant role in disposition study as the power marketing expert – BPA is more than a NFMS-type stakeholder as this question directly relates to power marketing and hydropower economics. Corps said they hear our desire for that role but they aren’t yet sure what their viewpoint is until they get more into scoping.*

*BPA suggested limiting scope to commercial power (to keep scope manageable and avoid TDG and station service issues). Corps said they are tracking and have brought it up in Corps internal discussions*

*BPA shared that it is doing its own economic analysis and will share it with Corps. Analysis will include scenarios. Discussed consideration of price changes, carbon free value, etc.*

*Corps confirmed they are putting together a PDT. Still forming. BPA asked if BPA is stakeholder in that process.*

*Corps not sure yet. BPA asked if Corps would know by our next monthly meeting. Corps not sure yet.*

*We discussed our common high level goal of “doing what makes most sense” for power long-term, to include consideration of the funding stakeholders (taxpayers/ratepayers) and the public*

4. *Cost allocations touch base – topics could include basis for potential updates, status, and path forward considerations (methods, third party, etc.) – INFORM/DISCUSS (Corps/BPA)*

*Thomas Topi, Corps has reviewed BPA’s 3 options for methodology recommendations*

*BPA not recommending use of a single purpose facility*

*Sees differences in specific costs or direct costs*

*Thomas to send email - BPA will follow up*

*BPA shared the \$1 billion flood benefits, \$26m power revenues, and 40% power joint cost figures as context for why cost allocation is justified*

5. *Next steps / wrap up*

*BPA to work on our Willamette economic analysis*

*Corps to send cost allocation Qs to BPA, BPA to follow up*

*Reschedule Feb meeting back a week due to Prez. Day and include additional Corps invitees*

**Jesse Kintz**

Power Generation – Senior Policy and Project Lead | [PG-2]

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**From:** Kintz,Jesse H (BPA) - PG-5  
**Sent:** Friday, January 20, 2023 5:04 PM  
**To:** Conning III,Edward Thomas (BPA) - DKP-7; Marker,Doug R (BPA) - AIR-7  
**Subject:** RE: The future of power from Willamette Valley dams (fact sheet update) - 1-4-23 - Marker 1-5 comments  
**Attachments:** The future of power from Willamette Valley dams (fact sheet update) - 1-4-23 - Marker 1-5 comments - JK review.docx

Tom,  
I've reviewed this latest version and included a few comments/edits- let me know if you want to discuss anything. Hope I got the right version this time! This is getting there.

-Jesse

---

**From:** Conning III,Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Sent:** Tuesday, January 17, 2023 10:28 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Subject:** RE: The future of power from Willamette Valley dams (fact sheet update) - 1-4-23 - Marker 1-5 comments

Jesse,

I know you had other things going on last week with the public meetings. Do you have a chance to look at this, this week?

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

**BONNEVILLE POWER ADMINISTRATION**

[ETConning@bpa.gov](mailto:ETConning@bpa.gov) | O: 503-230-3832 | C: (b)(6)



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**From:** Marker,Douglas R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>  
**Sent:** Thursday, January 5, 2023 4:10 PM  
**To:** Conning III,Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Subject:** The future of power from Willamette Valley dams (fact sheet update) - 1-4-23 - Marker 1-5 comments

Thanks for sending me a clean copy. I came up with the idea of labeling this a "January 2023 Update" to signify that this fact sheet describes operations and costs in transition. I think this will serve as a high level backgrounder for the public. There are some calls that PG has to make about how we describe our analysis and we have to confirm the 120 mw average impact of the injunction. But I think this will be useful for us to publish with the noted points about the effects of the injunction.

Thanks for keeping after this, Tom.

---

**From:** Kintz,Jesse H (BPA) - PG-5  
**Sent:** Monday, January 9, 2023 12:39 PM  
**To:** Marker,Douglas R (BPA) - AIR-7  
**Subject:** RE: WRDA passage talking points?

OK, and thanks for the perspective. Look forward to discussing further

---

**From:** Marker,Douglas R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Monday, January 9, 2023 9:52 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jkintz@bpa.gov](mailto:jkintz@bpa.gov)>  
**Subject:** RE: WRDA passage talking points?

Tom did the Message Box, which I think holds us for the moment.

<https://portal.bud.bpa.gov/sites/MessageBox/messageboxes/Willamette%20Valley%20dams%20deauthorization%20study.docx>

Talking points develop a series of questions that support deeper conversations. I think we need to get our approach to the analysis confirmed and, particularly, our role in defining the federal interest, before drafting talking points that would need to go into more detail than we have confirmed.

This is partly why I'm dismayed by the extension of the EIS comment deadline. I think it slows our resolution of some of these issues so that we can disseminate our positions publicly. We haven't had a chance to discuss this since the news from the Corps came out on Friday.

---

**From:** Kintz,Jesse H (BPA) - PG-5 <[jkintz@bpa.gov](mailto:jkintz@bpa.gov)>  
**Sent:** Monday, January 9, 2023 9:25 AM  
**To:** Marker,Douglas R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Subject:** WRDA passage talking points?

Good morning Doug- Do you think it would make sense to put out BPA talking points related to the WRDA passing? We could talk more about death/cost allocation than what we could in the EIS talking points.

-Jesse

**Jesse Kintz**

Power Generation – Senior Policy and Projects Lead | [PG-2]

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**From:** Kintz,Jesse H (BPA) - PG-5  
**Sent:** Friday, April 7, 2023 2:49 PM  
**To:** Ashby,Gordon S (BPA) - PGA-6; Smith,Glen A (BPA) - PG-5; Spear,Daniel J (BPA) - PGB-5  
**Cc:** Marker,Doug R (BPA) - AIR-7; Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** RE: Willamette NPV scenario analysis part 2

Summary and next steps from our discussion today on Willamette NPV scenarios:

- Gordon walked through updated set of analysis. Median baseline NPV (based on EIS with updates to key assumptions) is now -\$440 million. Median Cost of Generation is ~\$52.
- Spent most of time discussing the best set of scenarios given consideration of assumed Hills Creek additions, cost increases, funding timing questions, etc. Landed on the following:
  - Price increase 50%
  - Price decrease 50%
  - “Realistic” scenario – Baseline + likely Hills Creek construction/ops added measure + 100% cost increases for existing measures + 5 year construction delay (+ Dexter hatchery and Big Cliff TDG?)
  - “Worst case” type scenario – Realistic scenario + higher cost increases (150%) + estimate of additional costs tied to yet unknown construction measures (lamprey, etc)
  - Injunction operations scenario (update to EIS injunction scenario with new assumptions) – This scenario is intended to help address questions about potential construction/funding delays.

Please weigh in on the percentage cost increases – i.e. should the realistic be lower (50%)? Should the worst case be higher (200%)? The more we can loosely tie these to specific reasoning, the better.

Other follow ups:

- Hills Creek generation impacts to be estimated using Cougar as a rough proxy.
- Double check if Dexter hatchery and Big Cliff TDG is included in injunction scenario.

Please edit/add if I missed anything. I’ll set up another check in for next Friday to review the updated analysis and hopefully, make it final.

Thanks Gordon and all,  
-Jesse

---

**From:** Ashby,Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>  
**Sent:** Thursday, April 6, 2023 10:35 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Subject:** RE: Willamette NPV scenario analysis part 2

Hi all,

Here is the updated analysis based on discussions from the previous meeting. Assumptions are documented in the slide deck and we can talk more in depth at our meeting tomorrow.

Thanks,

Gordon

-----Original Appointment-----

**From:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>

**Sent:** Wednesday, March 22, 2023 5:58 PM

**To:** Kintz, Jesse H (BPA) - PG-5; Kintz, Jesse H (BPA) - PG-5; Ashby, Gordon S (BPA) - PGA-6; Smith, Glen A (BPA) - PG-5; Spear, Daniel J (BPA) - PGB-5

**Cc:** Marker, Doug R (BPA) - AIR-7; Baskerville, Sonya L (BPA) - AIN-WASH

**Subject:** Willamette NPV scenario analysis part 2

**When:** Friday, April 7, 2023 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Skype/conf call (x4000, (b)(6))

AGENDA:

Willamette project plan status (Kintz)

Status of updated NPV analysis (Ashby)

Increased construction scenario – status and discuss (all)

Prep for 4/11 Corps meeting (if needed)

Schedule, next steps

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Monday, April 3, 2023 4:11 PM  
**To:** Kintz,Jesse H (BPA) - PG-5  
**Subject:** RE: Willamette/FCRPS legislation exec status update: Any input?

This works. I really want us to be prepared for overemphasis by the Corps on the transmission impacts.

This was something that Bill was going to discuss with the Transmission VPs last fall, coming out of sponsor discussions of the draft EIS.

---

**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Monday, April 3, 2023 3:26 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Cc:** Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>  
**Subject:** RE: Willamette/FCRPS legislation exec status update: Any input?

Thanks for flagging this Doug as I agree it could be misconstrued. I was trying to describe that while they didn't give us a copy of the report, they verbally gave us some general updates. Does this work?

- Corps confirmed that the 2020 WRDA report has cleared USACE HQ review and is now at ASA (Secretary of Army) Civil Works. The Corps confirmed that they chose not to share an updated copy of the report with BPA. This leaves it unclear how BPA's previous May 2021 comments with concerns with characterizations of how power removal would impact other purposes were addressed. The Corps has shared a few high level status updates with BPA that the changes to the report since we last saw them have been minor. Next step is for Army to submit to Congress (no timeline).

---

**From:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Sent:** Monday, April 3, 2023 11:36 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Cc:** Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>  
**Subject:** RE: Willamette/FCRPS legislation exec status update: Any input?

Jesse – You describe the Corps as not having “formally” shared their draft report responding to WRDA 2020.

It's not just formally. They wouldn't share informally, either. Since we saw an initial summary and sent them our comments, we are in the dark about what they plan to say about impacts of deauthorization to other project purposes.

Saying they haven't shared “formally” implies they have by back channels. It's important for our execs to be clear that the Corps has not let us know what they are saying to Congress and that's a lousy situation for us to be in.

---

**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Monday, April 3, 2023 10:58 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Todd,Wayne A (BPA) -

PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow, Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai, Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>

**Subject:** Willamette/FCRPS legislation exec status update: Any input?

Any input before I send the below email to the exec sponsors - Joel, Suzanne, Marcus, Bill? (Planning on sending tomorrow at latest)

Thanks,

-Jesse

-----

Sending a status update on Willamettes and FCRPS legislation in lieu of our meeting last week. Note that our next meeting is scheduled for Thursday, April 20.

- Deauthorization
  - Updated BPA Willamette analysis is in progress. (attach draft project plan)
  - Corps is holding a “charrette” planning meeting for disposition study on 4/11 – BPA will participate and is working on talking points, focused on scoping input, to prepare.
  - Corps confirmed that the 2020 WRDA report has cleared USACE HQ review and is now at ASA (Secretary of Army) Civil Works. Corps chose not to formally circle back with BPA after our previous comments with concerns with characterizations of how power removal would impact other purposes. Next step is for Army to submit to Congress (no timeline).
- Cost allocations
  - OMB meeting expected on this topic in near future, consistent with BPAs budget justification language which referred to an upcoming meeting between OMB, BPA and Corps to discuss joint schedule for cost allocations for FY25 budget process.
  - BPA is completing the March report for the EW subcommittee (link here). **Note that BPA added a brief mention of the cost allocation budget justification language since we covered the key points during the last executive strategy meeting on 4/9.** Neither Corps nor Reclamation had input on this quarter’s report.
- Environmental processes (NEPA EIS, BA)
  - Corps is reviewing public comments. Corps received ~800 comments from 91 parties (significantly fewer than CRSO).
- Litigation: No significant updates
- Upcoming schedule:
  - Federal Hydropower Council meeting on 4/19
  - Upcoming milestones:

March 2023	Q report to EW committee
Feb/Mar/Apr 2023	Meetings with new NW Congressional members (as needed)
April 2023	First round of BPA Willamette analysis complete
April 2023	Corps disposition study scoping meeting
April 2023	Federal Hydropower Council meeting
April/May 2023	Meeting with OMB and Corps on cost allocation?
May 2023	Budget hearing with House Natural Resources?
May 2023	BOR Keys diversion rate kickoff meeting

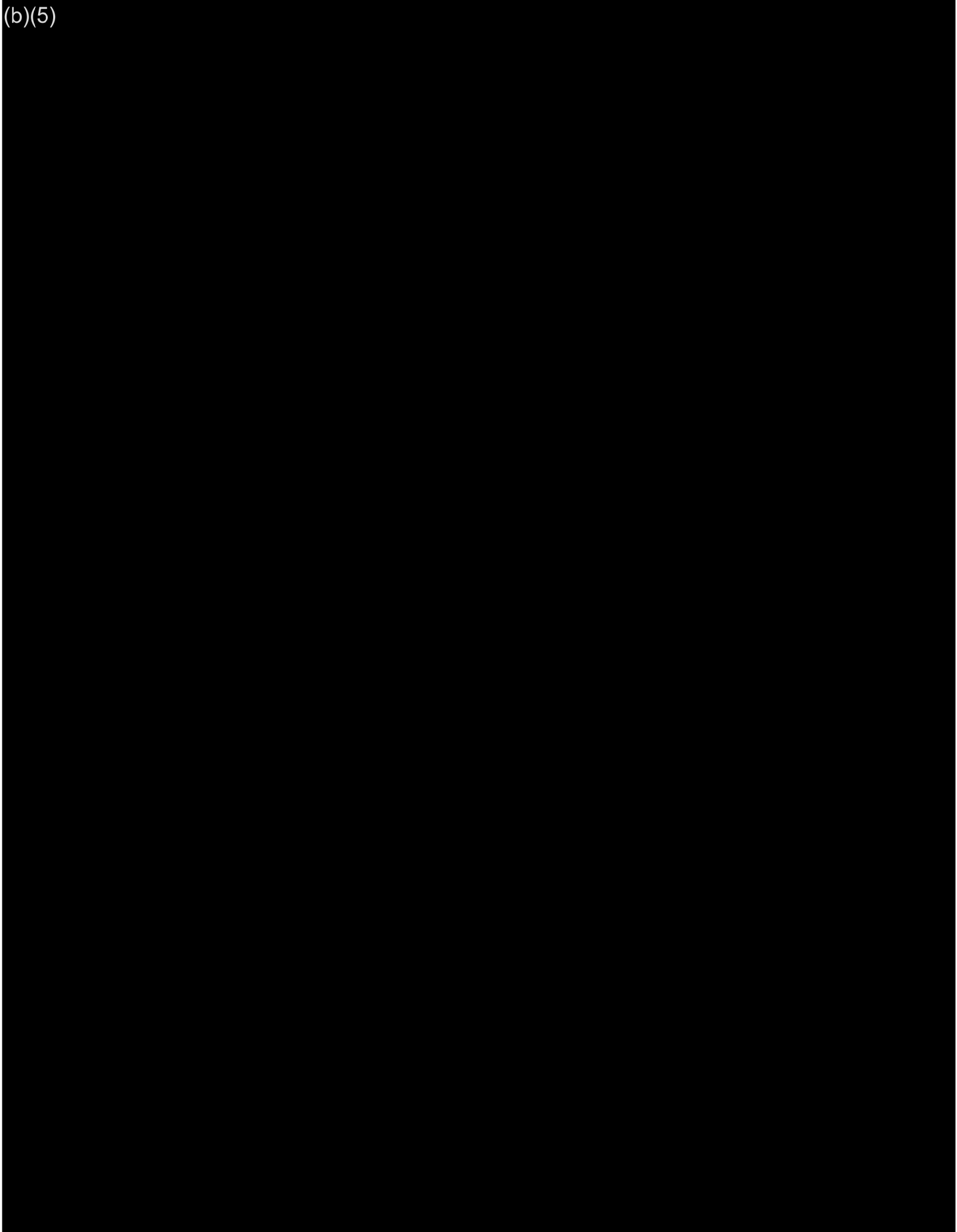
**Jesse Kintz**

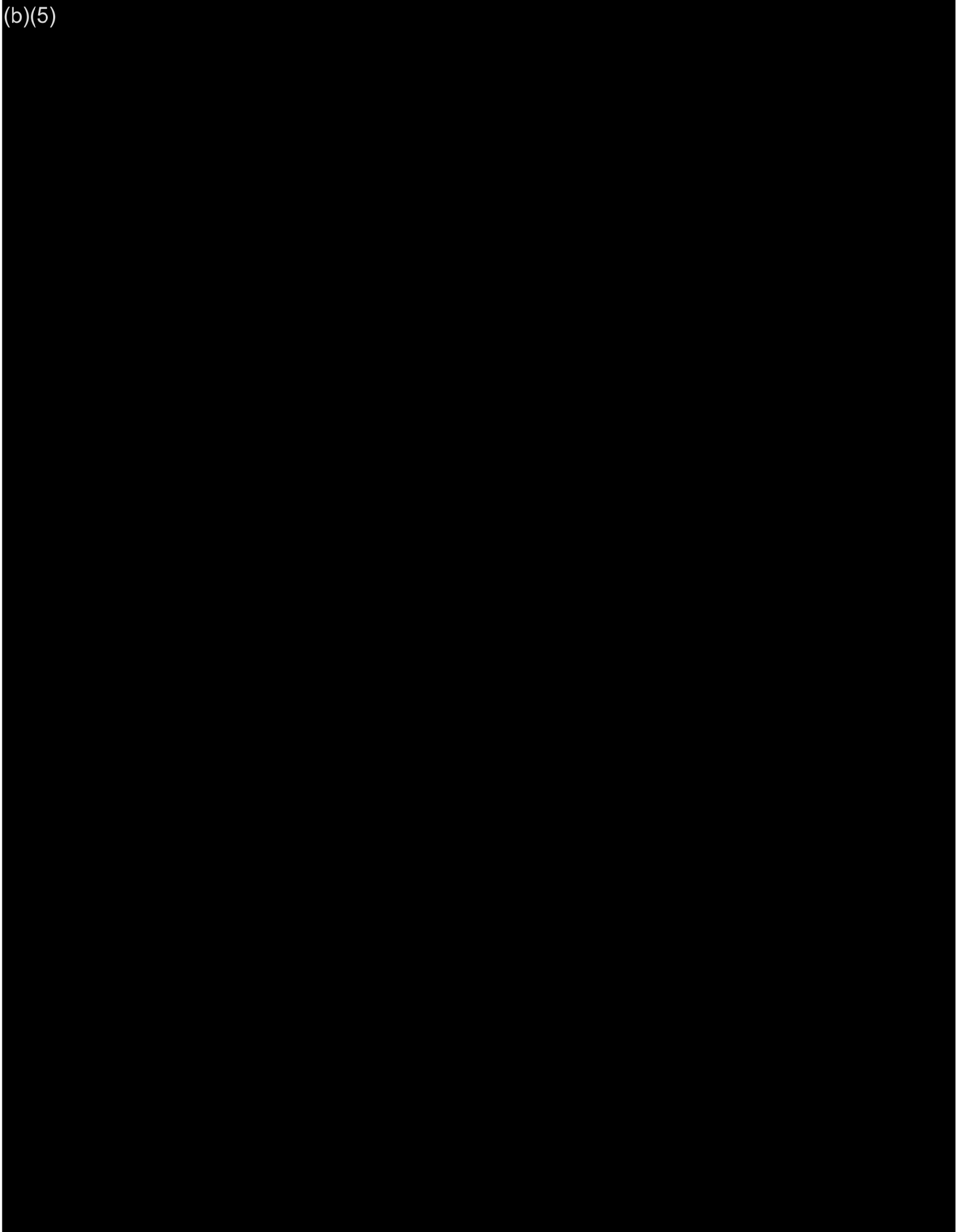
Power Generation – Senior Policy and Project Lead | [PG-2]

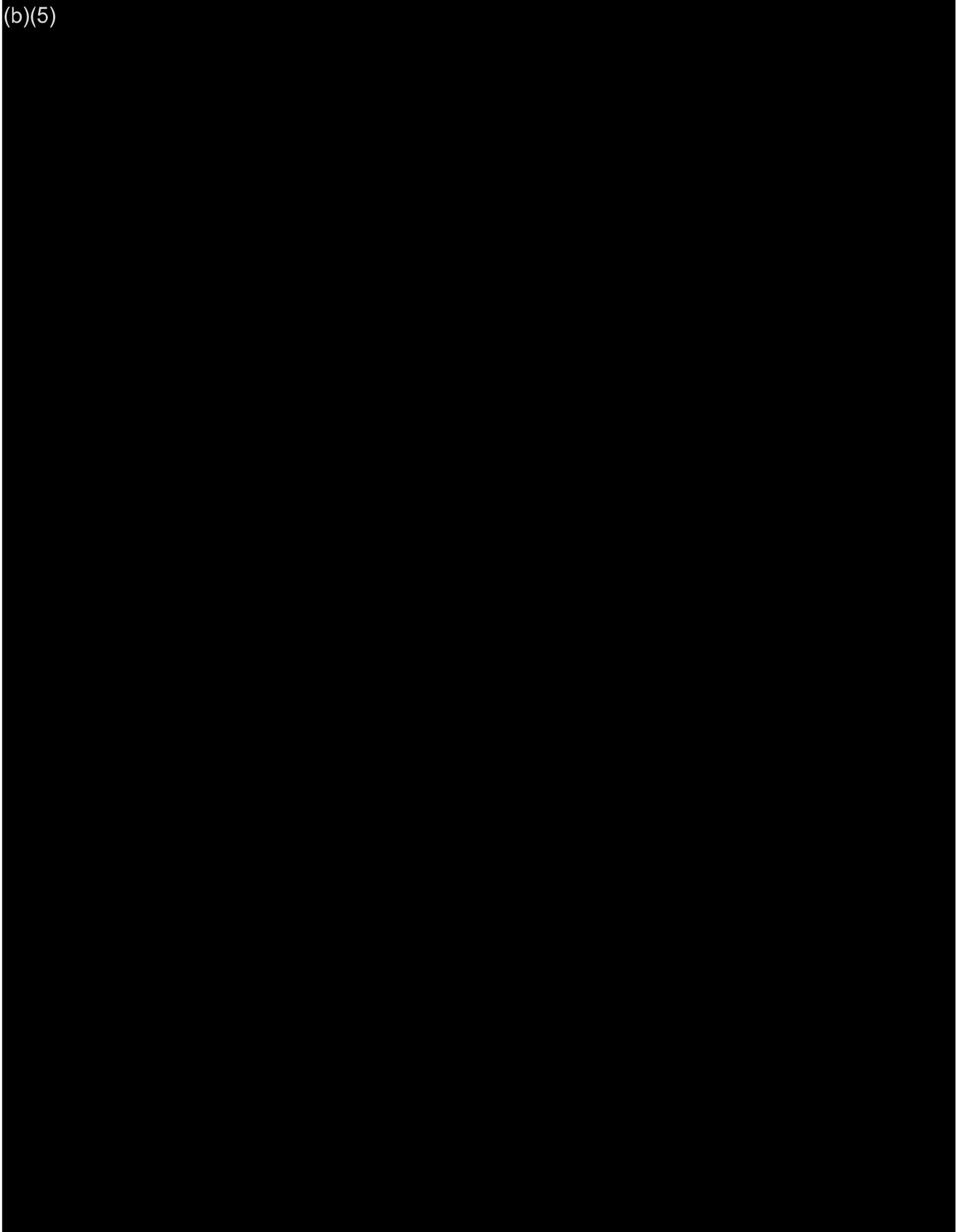
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---

**From:** Ashby,Gordon S (BPA) - PGA-6  
**Sent:** Thursday, April 13, 2023 1:58 PM  
**To:** Spear,Daniel J (BPA) - PGB-5; Kintz,Jesse H (BPA) - PG-5; Smith,Glen A (BPA) - PG-5  
**Cc:** Marker,Doug R (BPA) - AIR-7; Baskerville,Sonya L (BPA) - AIN-WASH; Welch,Julee A (BPA) - LP-7; Sullivan,Leah S (BPA) - PGB-5  
**Subject:** RE: Willamette NPV scenario analysis part 3

Thanks for the clarifications. I'll move forward with those assumptions for now and we can change them later if needed.

---

**From:** Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>  
**Sent:** Thursday, April 13, 2023 1:56 PM  
**To:** Ashby,Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>; Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Sullivan,Leah S (BPA) - PGB-5 <lsullivan@bpa.gov>  
**Subject:** RE: Willamette NPV scenario analysis part 3

Hello:

Gordon is correct. There is only a Gantt Chart for the PA which does not include any structural items at HCR.

Gordon is also correct that there is a check in for HCR in 2047 and it is reasonable that this would be the build date for HCR passage insomuch that LOP and DET already have some of the design work done.

That said, I would expect that many in the region will push for a much sooner date.

Dan Spear

---

**From:** Ashby,Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>  
**Sent:** Thursday, April 13, 2023 11:53 AM  
**To:** Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>; Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Sullivan,Leah S (BPA) - PGB-5 <lsullivan@bpa.gov>  
**Subject:** RE: Willamette NPV scenario analysis part 3

Thanks all.

Dan – Regarding timing for Hills Creek structures, do we have timing for scenarios other than the preferred alternative? I'm only familiar with the Gantt Chart for the preferred alternative and structural measures were all assumed to be implemented in 2024 in the EIS scenarios. I thought the loss of 4.1 aMW seemed low as well, but that is what is in the hydysim runs for NAA compared to Near-Term Operations.

---

**From:** Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>  
**Sent:** Thursday, April 13, 2023 11:31 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Ashby,Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>

**Cc:** Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Sullivan, Leah S (BPA) - PGB-5 <[lsullivan@bpa.gov](mailto:lsullivan@bpa.gov)>  
**Subject:** RE: Willamette NPV scenario analysis part 3

I was writing my email as Jesse sent his. So I will follow up in red.

---

**From:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Sent:** Thursday, April 13, 2023 10:15 AM  
**To:** Ashby, Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>  
**Cc:** Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>  
**Subject:** RE: Willamette NPV scenario analysis part 3

Appreciate you being so thoughtful about these assumptions, Gordon. I took a stab in green below but several of the questions are likely more in Dan's wheelhouse so he'll have to weigh in too.

-Jesse

---

**From:** Ashby, Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>  
**Sent:** Wednesday, April 12, 2023 11:42 AM  
**To:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>  
**Cc:** Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>  
**Subject:** RE: Willamette NPV scenario analysis part 3

Hi Team,

A few questions as I'm putting together the new scenarios we discussed last week.

- 1) When should we assume the hypothetical Hills Creek structures are in place? The schedule has a "check-in" for Cougar (I think you mean Hills Creek?) in 2047. Is that a decent assumption for now? **Yes – seems that's likely the earliest the Corps would get to this given their other higher priority construction projects. The Cougar Diversion Tunnel is a longer term project because of the years the Corps is devoting to the Cougar-specific disposition study and a longer design and construction process which is reasonable given the complexity of permanently lowering the reservoir. Suggest using the same timing for HCR as found in Scenario 4.**
- 2) Dan suggested using the Cougar FSS and the Green Peter AFF as proxies for the structures at Hills Creek. Alternative 4 in the EIS includes estimates for Hills Creek for both of these facilities. Should we just use those for this scenario? **Yes. Agree.** It also includes a temperature control tower for Hills Creek. Should that also be included? **Defer this to Dan. There has not been much chatter about this recently as the focus has been much more on passage than temperature in the plaintiffs and from what we have heard of the ODFW/FWS comments. Nonetheless, I would suggest putting the temperature control tower in for now, it could always be remove it later if it seems unlikely to occur.**
- 3) For near-term operations, Hills Creek was largely unaffected relative to the no action alternative (actually had slightly higher average generation). Do we want to assume that operations would change proportionally to something like Cougar near term operations which reduced from 15.6 aMW to 11.5 aMW? **Seems to depend on whether there are realistic ops measures that could be advocated for and added at Hills Creek before structures are built – not sure there are any if the injunction didn't mandate them but Dan probably knows. Yes, whatever proportional loss of generation has occurred with the current Cougar drawdown operation should be applied to Hills Creek. Just a loss of 4.1 aMW seems low. Is the 4.1 aMW associated with the NAA Cougar RO operation?** Then, once the structural measures are in place, would we use the operations in the PA for Hills Creek or

something else? If there are ops in Alt 4 maybe use those? If not hopefully Dan has some intel but it seems like mirroring the impacts post-construction at other projects with FSS/AFF could be a decent estimate. Yes, use the Alt 4 structures and implementation schedule.

- 4) Wanted to confirm one assumption on Cougar. Near term operations is about 11.5 aMW and PA operations is about 2 aMW. I currently have the operations switching once the diversion tunnel is complete in 2041. Is that correct or would that effectively no-generation operation happen sooner. I think so but Dan could confirm. And even 2aMW seems high but probably should keep it since it ties to the official scenarios. The Diversion Tunnel operation should result in zero generation. The fact that there is any generation at all in Cougar with the DT is an outcome of the contrivances that the Corps insisted it had to do for their EIS modeling. The Corps contended that they could not model any operation that eliminated power because power is a congressionally authorized purpose; thus all of their modeling kept the Cougar reservoir at such a level that it would still generate even with an operation to pass water/fish through the DT. In reality, once Cougar is drawdown to the DT it will never generate again because of dam safety concerns associated with draining and filling the reservoir to the penstocks and above. That is why the Corps put a disposition study as the first step in the Cougar DT process, as that formal elimination of power is necessary for the Corps to even model what the actual operation would be.

Sorry for all the questions, just want to make sure creating these scenarios as accurately as I can.

Gordon

-----Original Appointment-----

**From:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>

**Sent:** Friday, April 7, 2023 2:52 PM

**To:** Kintz, Jesse H (BPA) - PG-5; Kintz, Jesse H (BPA) - PG-5; Ashby, Gordon S (BPA) - PGA-6; Smith, Glen A (BPA) - PG-5; Spear, Daniel J (BPA) - PGB-5

**Cc:** Marker, Doug R (BPA) - AIR-7; Baskerville, Sonya L (BPA) - AIN-WASH; Welch, Julee A (BPA) - LP-7

**Subject:** Willamette NPV scenario analysis part 3

**When:** Friday, April 14, 2023 2:00 PM-3:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Skype/conf call (x4000, (b)(6))

Objectives:

INFORM: Results of updated analysis

DECIDE: Is this is the right set of analysis and scenarios or are any additional changes needed?

AGENDA:

Willamette project plan status (Kintz)

Walkthrough updated NPV scenario analysis (Ashby)

Schedule, next steps

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# Willamette Valley Preliminary Sensitivity Results

4/3/23

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## Purpose of Analysis

---

- Assist in forming a BPA position on whether BPA sees a long-term federal interest in commercial hydropower production at any of the eight power producing dams in the Willamette Valley
- Is BPA “ready to walk away” from power at some or all of these dams?
- Update the EIS analysis with more recent assumptions and assess the sensitivity of the results to various changes in costs and benefits

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## Summary

---

### What has been updated since the EIS analysis?

- Energy Prices (Long-term forecast from Jan 2023)
- Construction measure costs moved to estimated completion dates from EIS (refer to table on next slide)
- Injunction operations in place until all construction measures complete at each plant
- 50-year study period, starting in 2024, based on recent meeting with Corps (EIS was 30-year)

### What is the same as the EIS analysis?

- Firm generation valued at Tier 1 until 2028, surplus generation at Mid C
- All generation after 2028 is valued at Mid C
- Inflation forecasts (FY22, new forecast not yet posted)
- Discount Rate (FY22, new discount rates not yet posted)
- Generation by Water Year (using EIS results for Preferred Alternative)
- Direct Funded Capital and Expense forecasts
- Structural Measure Cost Forecasts

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## Sensitivity Descriptions

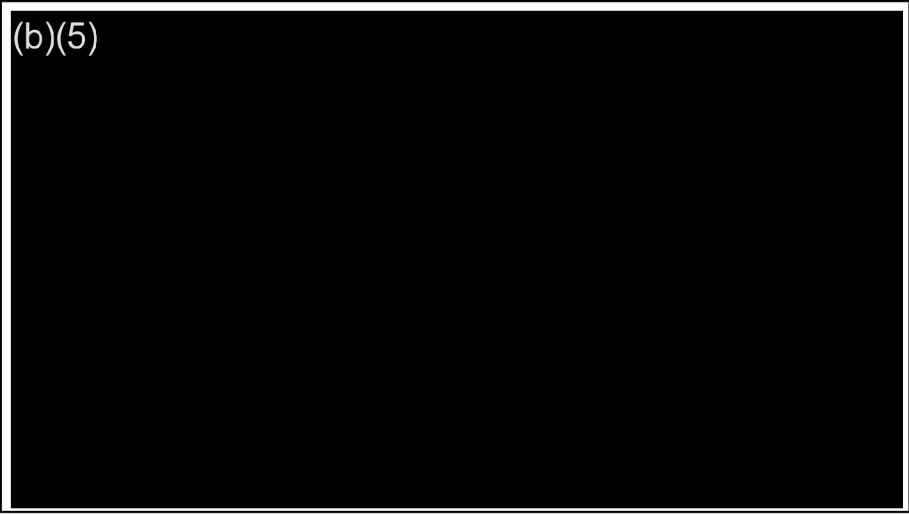
Name	Description
Old Baseline	Results from EIS Analysis (30-year study)
New Baseline	Updated results with new price forecast (\$41.63/MWh average in 2024)
Prices decrease by 50%	Entire energy price forecast distribution falls by 50%
Prices Increase by 50%	Entire energy price forecast distribution increases by 50%
Structural Measures Increase by 50%	Structural Measure Costs increase by 50% relative to current forecasts
Structural Measure Implementation Delayed 5 Years	The assumed completion date for each Structural Measure included in the EIS is delayed by 5 years relative to current forecasts
Structural Measures Increase by 50% and Delayed 5 Years	The assumed completion date for each Structural Measure included in the EIS is delayed by 5 years and costs increase by 50% relative to current forecasts

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## Important Context

- Analysis includes the total costs of generation at these facility (direct funded power program costs in addition to structural measure costs outlined in EIS)
- Plants that have been recently modernized tend to have lower costs/higher NPVs due to lower near-term direct funded costs
- Turbines and Generator Windings have been replaced at Lookout Point, Hills Creek, and Cougar
- Generator Windings have been replaced at Detroit, Big Cliff, and Dexter

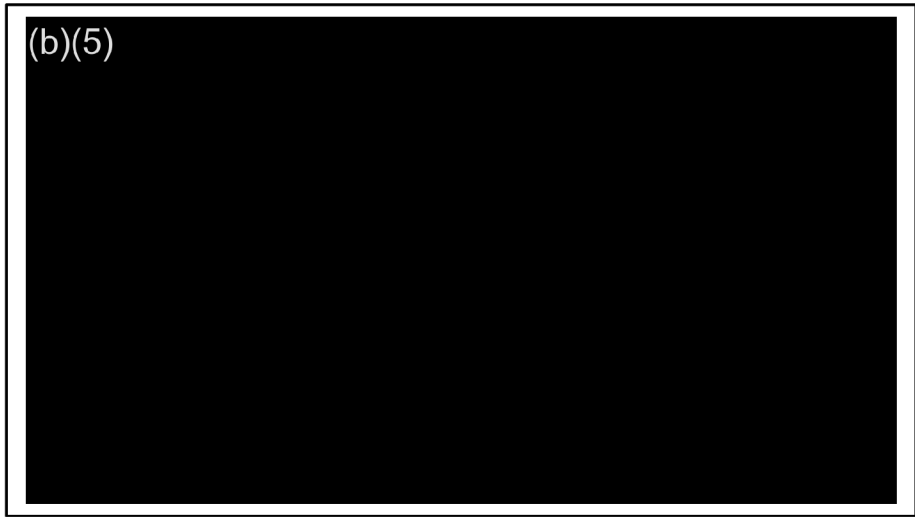
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# Appendix

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## Structural Measure Dates

Plant	Injunction Measure Cutoff	Assumption
Detroit	2035	All measures complete by 2035. Assign all structural measure costs to Detroit.
Big Cliff	2027	Assume deflectors complete in 2027
Green Peter	2031	All measures complete in 2031
Foster	2031	All measure complete by 2031
Cougar	2041	Flip from Near-term to Preferred Alternative operations in 2041
Hills Creek	2047	Flip from Near-term to Preferred Alternative operations in 2047
Lookout Point	2044	All measures complete by 2044
Dexter	2044	Grouped with Lookout Point

- Note that all structural measure costs are assumed to be incurred at the dates in the table above for each plant.

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## Unit Modernization Dates

Plant	Date of Turbine Modernization	Date of Generator Modernization
Detroit	2050	2008/2009
Big Cliff	2031	2010
Green Peter	2044	2044
Foster	2025	2040
Lookout Point	2012/2013/2014	1996/1997/1998
Dexter	2031	1997
Cougar	2005	2005
Hills Creek	2015/2016	2015/2016

\*Red Text = Completed Project

\*Black Text = Forecasted dates from 2023 SAP or 2022 SAMP if outside of SAP 20-year plan

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## Price Forecasts

- Energy Price forecasts are produced by Eric Graessley using the AURORA Model.
- Price forecast is the long-term forecast from Jan 3, 2023 (LT2022\_midC\_base\_03JAN2023)
- Forecast includes 900 simulations, by month and water year
- Water Years used are 1981-2018
- Willamette Valley analysis uses a random water year sequence and looks up an associated price condition for a given month to value generation
- Flat monthly prices are used in the analysis (flat meaning a weighted average of HLH and LLH prices for that month in the forecast)

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## Future Investment Strategy Considerations

- Hills Creek and Lookout Point units have been largely rebuilt within the last 10 years so near-term costs are relatively low
- Green Peter and Foster both have major turbine work on the horizon making their near-term costs relatively high
- Rethinking investment strategies at plants like Green Peter and Foster could slightly improve outlook
- Even with the most favorable assumptions, Cougar

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# Other Sensitivities


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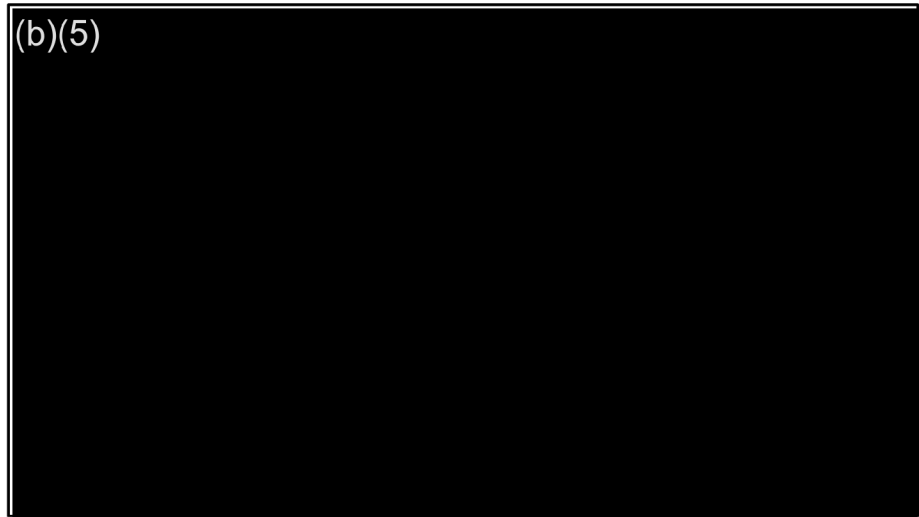
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**From:** Kintz,Jesse H (BPA) - PG-5  
**Sent:** Friday, April 14, 2023 3:44 PM  
**To:** Ashby,Gordon S (BPA) - PGA-6; Smith,Glen A (BPA) - PG-5; Spear,Daniel J (BPA) - PGB-5  
**Cc:** Marker,Doug R (BPA) - AIR-7; Baskerville,Sonya L (BPA) - AIN-WASH; Welch,Julee A (BPA) - LP-7  
**Subject:** RE: Willamette NPV scenario analysis part 3  
**Attachments:** Updated Sensitivity Results 2023-04-14.pptx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Thanks for the meeting today. Summary/next steps are below:

- Gordon to add Big Cliff TDG and Dexter hatchery costs to all scenarios
- Confirm best estimate for Dexter hatchery (i.e. 100% power share or 31% power share) – Gordon to check with Wayne/Doug in PGA
- Settle on titles/characterizations for “best case” and “worst case” scenarios
  - Replace best/worst with terms that convey them as essentially bookends
  - Add a bullet with justification for high construction cost scenario (additional costs being asked for by other EIS participants plus inflation, etc.)
- Confirm with Doug Marker that he is good with this set of analysis
- Decide timing/venue for sharing this information with Bill Leady and exec sponsor group

-Jesse

---

**From:** Ashby,Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>  
**Sent:** Friday, April 14, 2023 12:05 PM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>  
**Subject:** RE: Willamette NPV scenario analysis part 3

Here are updates based on last week’s discussion.

-----Original Appointment-----

**From:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Sent:** Friday, April 7, 2023 2:52 PM  
**To:** Kintz,Jesse H (BPA) - PG-5; Kintz,Jesse H (BPA) - PG-5; Ashby,Gordon S (BPA) - PGA-6; Smith,Glen A (BPA) - PG-5; Spear,Daniel J (BPA) - PGB-5  
**Cc:** Marker,Doug R (BPA) - AIR-7; Baskerville,Sonya L (BPA) - AIN-WASH; Welch,Julee A (BPA) - LP-7  
**Subject:** Willamette NPV scenario analysis part 3  
**When:** Friday, April 14, 2023 2:00 PM-3:00 PM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Skype/conf call (x4000, 042247347#)

Objectives:

INFORM: Results of updated analysis

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AGENDA:

Willamette project plan status (Kintz)

Walkthrough updated NPV scenario analysis (Ashby)

Schedule, next steps

---

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# Willamette Valley Preliminary Sensitivity Results

4/14/23

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## Purpose of Analysis

---

- Assist in forming a BPA position on whether BPA sees a long-term federal interest in commercial hydropower production at any of the eight power producing dams in the Willamette Valley
- Is BPA “ready to walk away” from power at some or all of these dams?
- Update the EIS analysis with more recent assumptions and assess the sensitivity of the results to various changes in costs and benefits

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## Summary

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### What has been updated since the EIS analysis?

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Name	Description
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New Baseline	Updated results with new price forecast (\$41.63/MWh average in 2024)
Prices decrease by 50%	Entire energy price forecast distribution falls by 50%
Prices Increase by 50%	Entire energy price forecast distribution increases by 50%
BPA Expected Scenario	Includes structural measures from EIS Alt 4 at Hills Creek, Dexter Adult Fish Facility, and Big Cliff TDG abatement. Hills Creek injunction measures based on reduction in Cougar generation from NAA to Near-Term Operations. Structural Measure Costs are assumed to be <i>twice</i> as costly as Corps estimates.
BPA Worst Case Scenario	Same as Expected Scenario but structural measures are assumed to be <i>three times</i> as costly as Corps estimates. This is to reflect known increases in cost estimates and be a proxy for additional measures that are not yet known.
Indefinite Injunction Measures	Uses the same assumptions as the New Baseline sensitivity but assumes injunction measures are carried out indefinitely and structural measures are never complete in the 50-year study period.

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## Important Context

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- Plants that have been recently modernized tend to have lower costs/higher NPVs due to lower near-term direct funded costs
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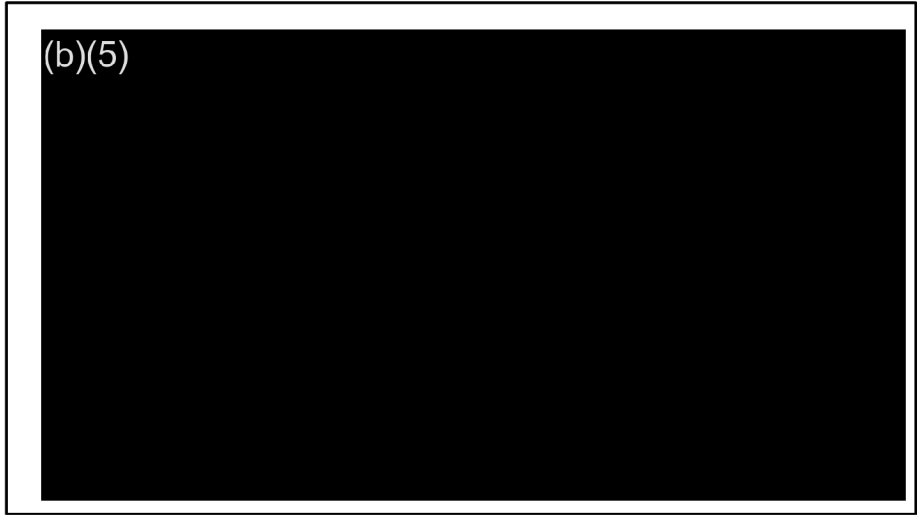
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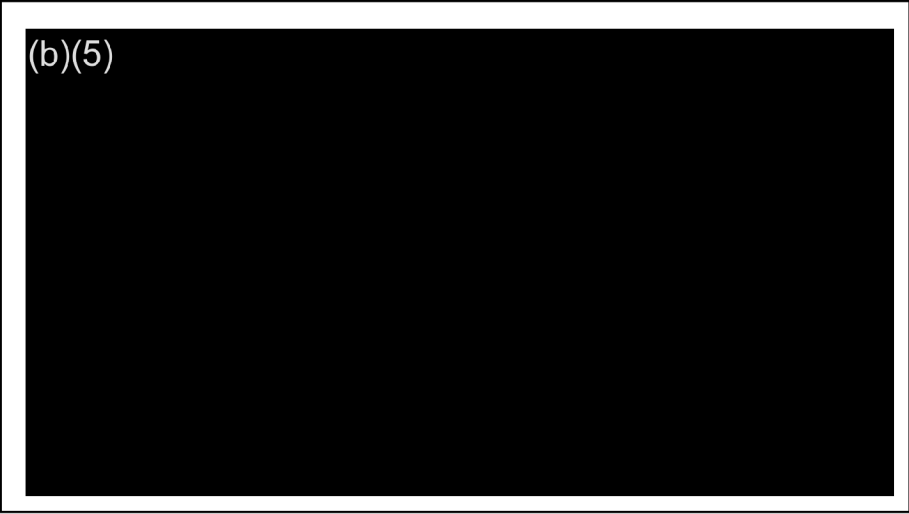
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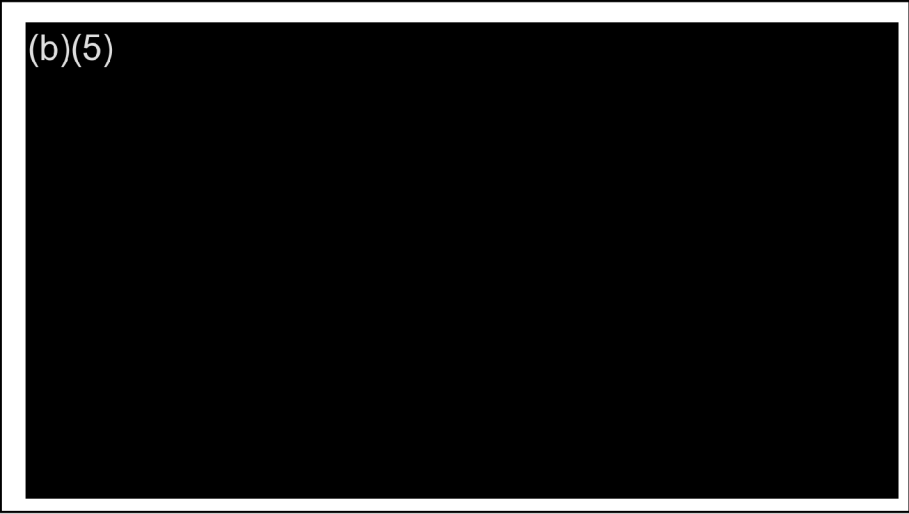


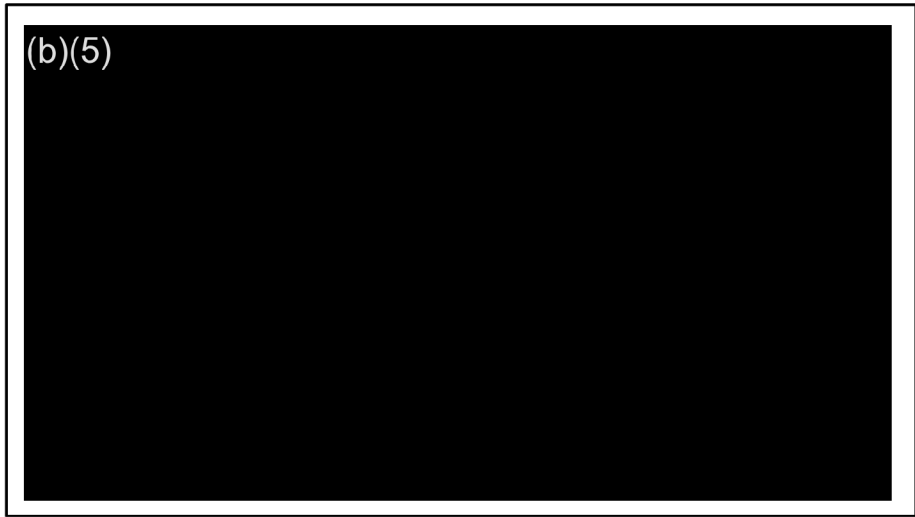


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# Appendix

DELIBERATIVE - PRE-DECISIONAL - INTERNAL USE ONLY

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- Willamette Valley analysis uses a random water year sequence and looks up an associated price condition for a given month to value generation
- Flat monthly prices are used in the analysis (flat meaning a weighted average of HLH and LLH prices for that month in the forecast)

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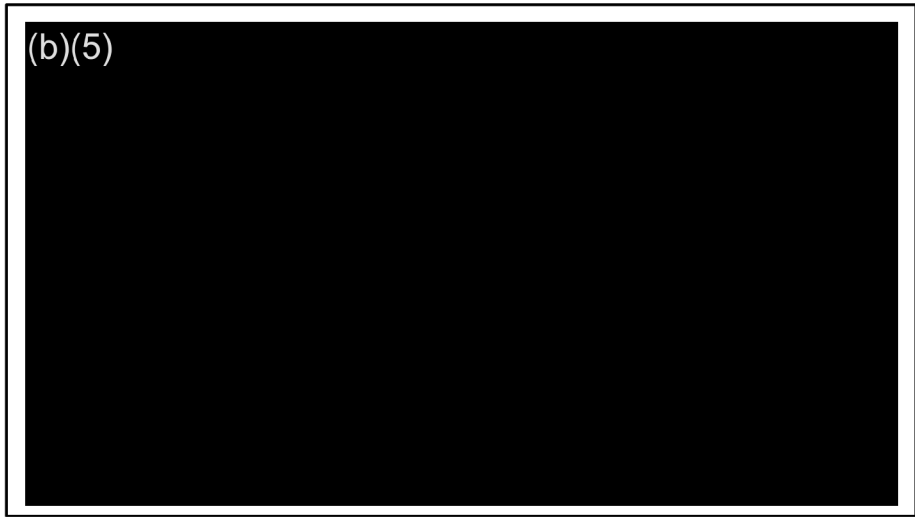
## Future Investment Strategy Considerations

- Hills Creek and Lookout Point units have been largely rebuilt within the last 10 years so near-term costs are relatively low
- Green Peter and Foster both have major turbine work on the horizon making their near-term costs relatively high
- Rethinking investment strategies at plants like Green Peter and Foster could slightly improve outlook
- Even with the most favorable assumptions, Cougar

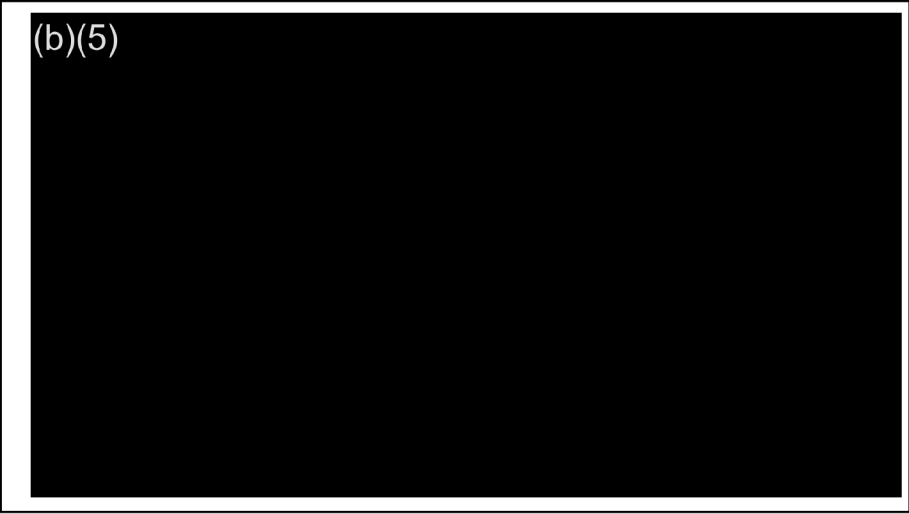
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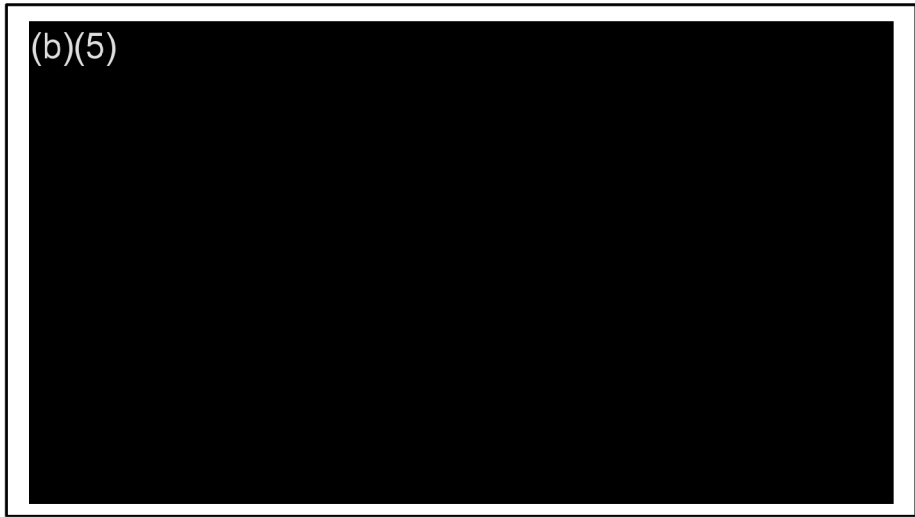
## Other Sensitivities

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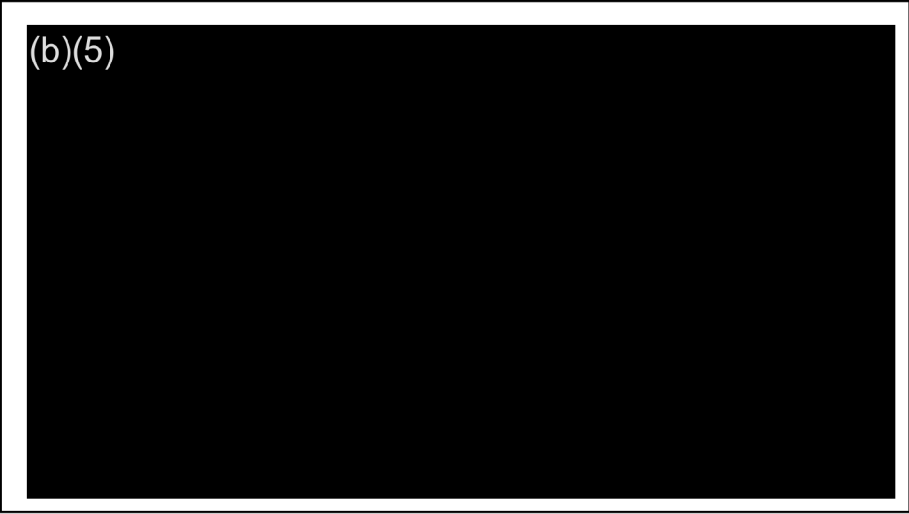




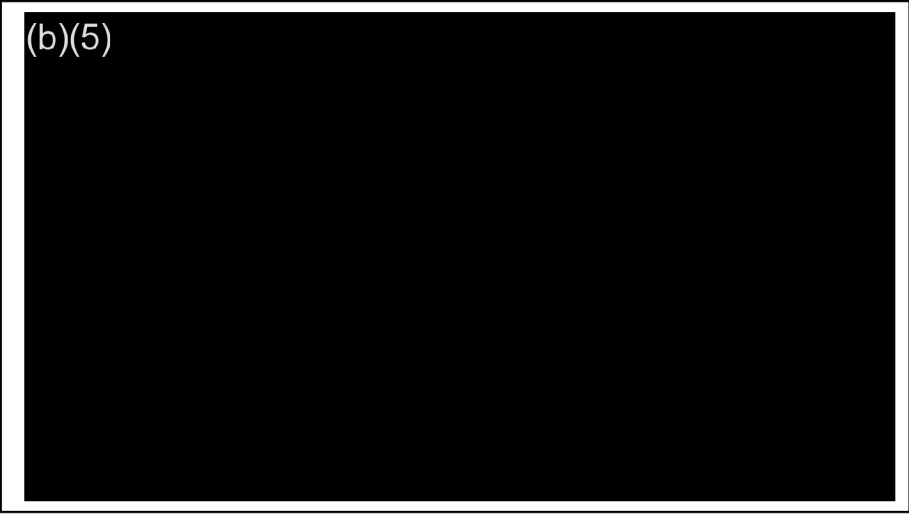




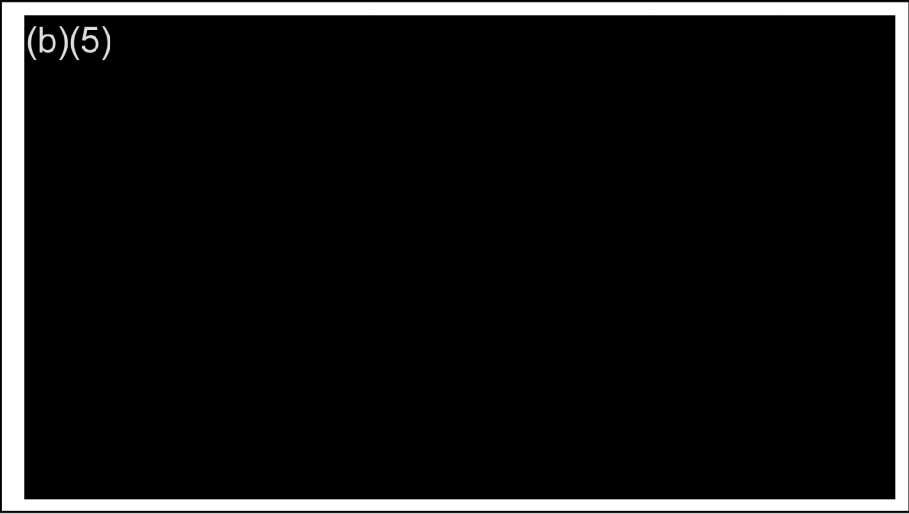
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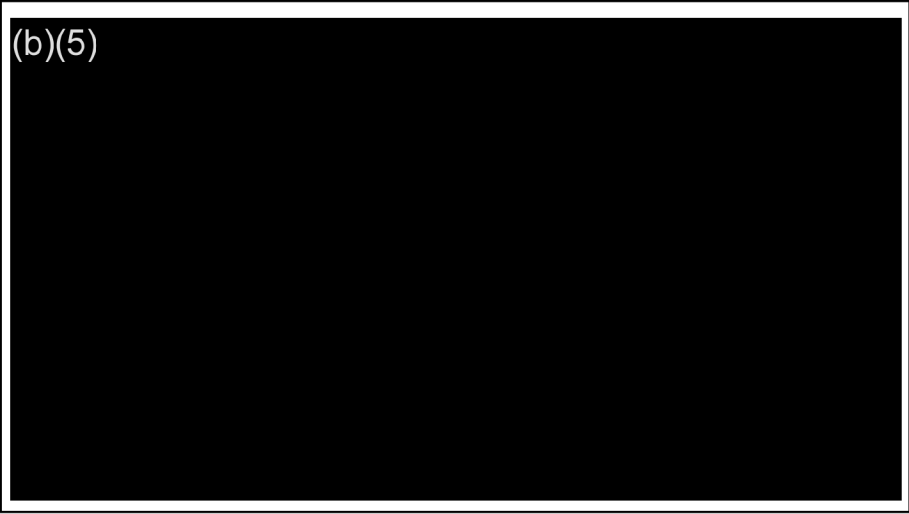
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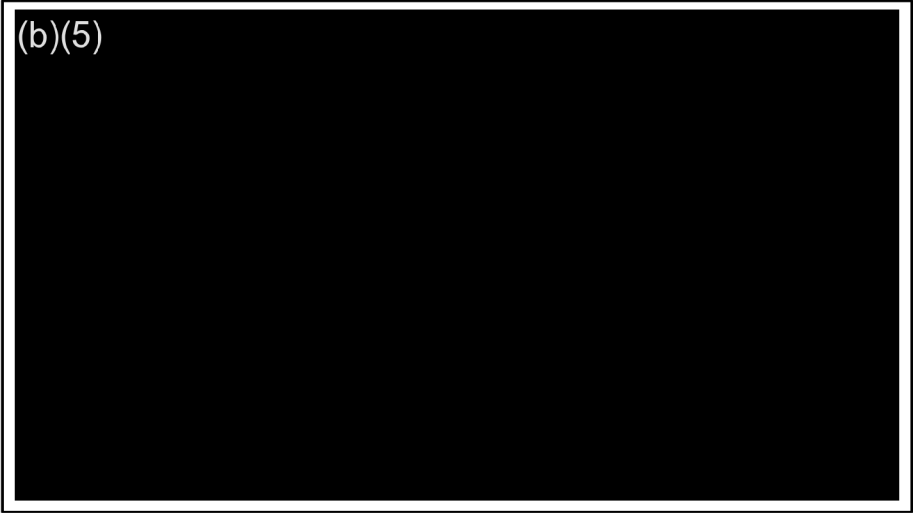
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**From:** Kintz,Jesse H (BPA) - PG-5  
**Sent:** Friday, March 3, 2023 11:59 AM  
**To:** Marker,Doug R (BPA) - AIR-7; Wingert,Kevin M (BPA) - DKP-7; Johnson,G Douglas (BPA) - DK-7; Goodwin,Summer G (BPA) - DKS-7  
**Subject:** RE: Willamette Valley fact sheet for review  
**Attachments:** BPA comments on Draft PEIS (3 Feb 2023).pdf

Gave this a fresh read today. To address your questions Kevin:

1. I do think this is generally reflective of our agency comments to date (see attached public EIS comments we sent to Corps a month ago). We have been forthright with the Corps and others regarding our concerns of uneconomical power at the Willamette dams going forward.
2. Overall I defer to those who know how our typical fact sheets are done to weigh in on whether it's too positional (if deemed yes, we could ramp it back a bit). I would think our goal would be to make sure the public and stakeholders are informed on the facts which form the basis for why Bonneville is concerned (and perhaps, shed some light on why there is a question about removing power at Willamette dams while the Lower Snake conversation is going on).

Adding a couple questions of my own:

- Regarding Doug's question, I haven't heard an update on the work to gather/confirm all the statistics that Tom was working on. Kevin: Is that something you're planning on tackling or do you want me to help with that? A few issues along these lines that need resolving:
  - I'm not sure it's a good idea to speak to the amount of power generating in a single year that is skewed by water conditions in that year, but could evaluate once that number is gathered.
  - I am concerned with the graphic on page 2 as it totals more than the 171 aMW referred to on page 1.
  - Need to confirm the "apples to apples" % of the system that 171aMW covers.
- We are in the process of refining our agency analysis and position on this issue over the next few months (including updated price forecasts), so we should factor that into the timing of when to release this and its tone. One idea would be to release a version sooner, and expect to update it in a few months.

-Jesse

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**From:** Kintz,Jesse H (BPA) - PG-5  
**Sent:** Wednesday, March 1, 2023 8:50 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>; Johnson,G Douglas (BPA) - DK-7 <[gdjohnson@bpa.gov](mailto:gjohnson@bpa.gov)>; Goodwin,Summer G (BPA) - DKS-7 <[sggoodwin@bpa.gov](mailto:sggoodwin@bpa.gov)>  
**Subject:** RE: Willamette Valley fact sheet for review

Thanks for the ping on this, Kevin. I've been planning to spend some time and take a fresh look at this, including Doug's question below, but haven't been able to get to it yet- I'll be sure to review and respond no later than Friday. Thanks for your patience!

-Jesse

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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Tuesday, February 28, 2023 4:02 PM  
**To:** Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Johnson,G



Douglas (BPA) - DK-7 <[gdjohnson@bpa.gov](mailto:gdjohnson@bpa.gov)>; Goodwin,Summer G (BPA) - DKS-7 <[sggoodwin@bpa.gov](mailto:sggoodwin@bpa.gov)>  
**Subject:** RE: Willamette Valley fact sheet for review

Kevin – I still think the tone and positions are appropriate. This sheet has needed review for the statistics that Tom noted. Jesse, do you know where that work is?

---

**From:** Wingert, Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>  
**Sent:** Tuesday, February 28, 2023 11:27 AM  
**To:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Johnson, G Douglas (BPA) - DK-7 <[gdjohnson@bpa.gov](mailto:gdjohnson@bpa.gov)>; Goodwin, Summer G (BPA) - DKS-7 <[sggoodwin@bpa.gov](mailto:sggoodwin@bpa.gov)>  
**Subject:** RE: Willamette Valley fact sheet for review

Jesse, Doug, et. al.,

I think this stalled out. Want to check back in on this. Have two essential questions:

1. Is this the language reflective of our agency comments into the Willamette Valley dams?
2. Is this too positional or does this reflect a change of stance in the agency on the topic from say 2-3 years ago?

Just want to manage expectations and get moving forward on this once more. Thank you for your insight.

Very Respectfully,

**Kevin Wingert**

Communications | Media Relations | Policy

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**From:** Conning III, Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Sent:** Thursday, February 9, 2023 3:16 PM  
**To:** Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Cc:** Wingert, Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>  
**Subject:** FW: Willamette Valley fact sheet for review

Jesse and Doug,

Here are some comments back on this with some questions from our Power Communication team lead. What are your thoughts?

I'm inclined to leave with edits Kevin made and send to graphics (Kevin will be your main POC for this in the future). My interpretation is this is supposed to be a pretty frank piece of content regarding the future in the WV.

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

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**From:** Goodwin,Summer G (BPA) - DKS-7 <[sggoodwin@bpa.gov](mailto:sgoodwin@bpa.gov)>  
**Sent:** Wednesday, February 8, 2023 5:48 PM  
**To:** Conning III,Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Cc:** Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>  
**Subject:** RE: Willamette Valley fact sheet for review

(b) (5)

Did Jesse and Doug ever see a draft of this? If not, I wouldn't spend any more time editing it until after they have a look.

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**From:** Conning III,Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Sent:** Wednesday, February 8, 2023 4:01 PM  
**To:** Goodwin,Summer G (BPA) - DKS-7 <[sggoodwin@bpa.gov](mailto:sgoodwin@bpa.gov)>  
**Cc:** Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>  
**Subject:** RE: Willamette Valley fact sheet for review

Summer,

Did you have a chance to look at the fact sheet? I'd like to get it over to Doug Marker and Jesse Kintz tomorrow.

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

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**From:** Conning III,Edward Thomas (BPA) - DKP-7  
**Sent:** Tuesday, February 7, 2023 3:25 PM  
**To:** Goodwin,Summer G (BPA) - DKS-7 <[sggoodwin@bpa.gov](mailto:sgoodwin@bpa.gov)>  
**Cc:** Johnson,G Douglas (BPA) - DK-7 <[gdjohnson@bpa.gov](mailto:gjohnson@bpa.gov)>  
**Subject:** FW: Willamette Valley fact sheet for review

Summer,

Here is the fact sheet after Kevin's edits. My plan is to accept them and send back over to Doug and Jesse before I send to Graphics. Let me know if you have any concerns.

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

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**From:** Wingert, Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>  
**Sent:** Tuesday, February 7, 2023 3:23 PM  
**To:** Conning III, Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Subject:** RE: Willamette Valley fact sheet for review

Tom,

Here's the fact sheet back with edits. If you have any questions or concerns, let me know. Thank you for your work on this.

Very Respectfully,

**Kevin Wingert**

Communications | Media Relations | Policy

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**From:** Conning III, Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>  
**Sent:** Wednesday, February 1, 2023 2:29 PM  
**To:** Wingert, Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>  
**Subject:** Willamette Valley fact sheet for review

Kevin,

Can you please review the attached fact sheet (Doug Marker and Jesse Kintz provided the bulk of edits for their needs; Summer and Kristel have also reviewed/provided input)?

Would this need to go to Joel for further review? Summer would like to see it before I send along to graphics and I'd like to have that part initiated before I leave. Who should I hand this off to, to see to completion (I'm waiting for some data from Jesse on some of the numbers before this can be finalized (as noted in some comments))?

Thanks,

V/R

**Tom Conning**

Writer/Editor | Media Relations, Policy Communications and Writing

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## Department of Energy

Official File

Bonneville Power Administration  
P.O. Box 3621  
Portland, Oregon 97208-3621

POWER SERVICES

February 3<sup>rd</sup>, 2023

In reply refer to: PG-5

Liza Wells  
Deputy District Engineer for Programs and Project Management  
Portland District, United States Army Corps of Engineers  
333 SW First Ave.  
Portland, OR 97204

Dear Ms. Wells,

The Bonneville Power Administration (Bonneville) appreciates this opportunity to comment on the Draft Programmatic Environmental Impact Statement (Draft PEIS) for operations and maintenance of the Willamette Valley System.

Bonneville is participating in the development of the Draft PEIS as a cooperating agency, focusing on its expertise on the hydropower purpose of the Willamette Valley System, including hydropower generation and marketing, and electric transmission facilities and operations.

As contemplated by the Cooperating Agency Memorandum of Understanding between Bonneville and the Corps, Bonneville would like to take this opportunity to present its views on the Draft PEIS, particularly where it believes the PEIS would benefit from additional analysis. In addition to the themes discussed in this letter, Bonneville will provide the Corps with specific updates and revisions related to hydropower generation and transmission analysis in the Draft PEIS, as part of Bonneville's ongoing participation in this PEIS process as a cooperating agency. Bonneville continues to acknowledge and thank the Corps staff and leadership for its engagement and collaboration with Bonneville in the preparation of the Draft PEIS.

The Draft PEIS evaluated alternatives to achieve multiple objectives; however, none of the action alternatives to restore naturally spawning salmon and steelhead above Willamette Valley dams would maintain economical hydropower as a residual benefit of the system.

The Corps constructed the Willamette Valley System to primarily provide flood protection for Oregon communities. The system's storage capacity also provides benefits for recreation, water supply, and water quality. As the Draft PEIS notes, hydropower is a residual benefit of the Willamette Valley System, available after the Corps has optimized operations for other project purposes. The current action alternatives in the draft PEIS have outcomes which reduce the availability of hydropower generation while multiplying its costs.

Although the Draft PEIS clarifies some of the challenges of maintaining economical hydropower as a benefit of the Willamette Valley System, Bonneville believes that the Final PEIS would benefit by including specific elements to more completely capture the scope of those challenges, as well as identifying steps towards addressing them. Accordingly, Bonneville has three requests for inclusion in the Final PEIS:

- Bonneville continues to request that the Corps include in the final PEIS its implementation plan for the consideration of de-authorization and cost allocation updates at these projects. Bonneville notes the recent mandate from Congress in the 2022 Water Resources Development Act directing system-wide disposition studies of the power purpose of the Willamette dams by June 2024. Bonneville also offers the following considerations for the disposition studies:
  - Disposition studies will inform potential congressional deauthorization of power at the Willamette dams. If Congress does deauthorize power, the Corps may be able to design less costly and more effective passage routes for juvenile salmon.
  - Disposition study analysis should also inform needed cost allocation updates. Significant operational changes and the shifting economics of managing hydropower and flood control at Willamette Valley projects make cost allocation updates necessary. The Draft PEIS estimates the annual benefit of flood protection to be at least \$1 billion and power generation to be \$26 million, yet power's cost allocation averages around 40 percent. If the disposition studies, as part of assessing whether hydropower is in the federal interest, do find net economic value for remaining hydropower generation at one or more of the Willamette dams, the Corps and Bonneville should use that analysis to implement the needed appropriate cost allocation between flood risk management and power.
  - Meeting Congress' timeline for completing disposition studies by June 2024 should support implementation planning for the Final PEIS and help inform Bonneville's decisions for continued investments in the dams' power facilities. It will be important for the Corps to limit the scope of the disposition studies and focus only on the effects of deauthorizing hydropower.
- The Corps should revise the PEIS analysis to fully include the impact of the continuation of the near-term operations in the planned implementation of the final preferred alternative. The most significant impact on hydropower is the provision to continue the operations of the 2021 Oregon District Court injunction until the Corps completes structural measures, which, for some of the measures, would be well into the 2040s under the Draft PEIS implementation schedule. The current analysis does not reflect these operations which stand to reduce the value of hydropower generation by nearly a third. The Final PEIS should include revised estimates for the remaining value of hydropower generation that incorporates the near-term measures. Because these estimates are also

necessary for the disposition studies directed by Congress, their inclusion will help inform both Congress and the Final PEIS.

- Bonneville continues to urge the Corps to update structural cost estimates. The estimated costs of structures for fish passage and water temperature seem to be quite conservative. The Corps states in the Draft PEIS that it is basing cost estimates on conceptual designs and that actual costs could likely more than double. Additionally, recent economic events of inflation, constrained supply chains, and escalated interest rates make the Draft PEIS estimates likely out of date.

Again, Bonneville appreciates the Corps' collaboration during the preparation of the PEIS. This represents an important milestone for the future management of the Willamette Valley System. The system continues to provide substantial regional value through flood risk management, water supply, and recreation as its operations evolve to benefit fish and wildlife. We submit these comments with the objective of resolving the anticipated major, adverse impacts presented in the PEIS to economic and reliable power generation.

Sincerely,

William J. Leady P.E.  
Vice President for Generation Asset Management  
Bonneville Power Administration

cc: Beth Coffey  
Director of Programs  
Northwestern Division, USACE

Brad Thompson  
Chief of Planning, Environmental Resources and Fish Policy  
Northwestern Division, USACE

Jesse Kintz  
Senior Policy and Project Lead, Power Generation, Bonneville

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**From:** Marker,Douglas R (BPA) - AIR-7  
**Sent:** Wednesday, January 4, 2023 1:37 PM  
**To:** Kintz,Jesse H (BPA) - PG-5; Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** RE: Willamette and WRDA 2022 - Summary of key points discussed on Dec 16 2022

You have a couple of points a bit mixed together here.

The Congressional direction is for completion of disposition studies in 18 months. I agree with the emphasis that the Corps draft EIS further undermined the economic viability of power generation from the Willamettes. That makes the disposition studies even more imperative; but Congress has confirmed the imperative independently of the EIS. Congress asked for the disposition studies in 18 months and we want to work with the Corps to complete the disposition studies in 18 months.

Thank you for excising “reliable” in your note to the wider group.

I think it’s important to confirm that the disposition studies are to be focused on hydropower. That’s what Congress asked for. There is no reason to include other project purposes, and doing so only adds costs to the disposition studies and risks timely completion.

Let’s not presume an outcome. Let’s get the analysis done of the power value – which we will lead – and make our determination of the future effect of the limited operations and likely capital costs from the EIS.

---

**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Wednesday, January 4, 2023 12:24 PM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>  
**Cc:** Marker,Douglas R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Subject:** RE: Willamette and WRDA 2022 - Summary of key points discussed on Dec 16 2022

(Removed everyone but Sonya and Doug)

Thanks. I suppose I had assumed that as our implied starting point given how hard we’ve been pushing the overall issue of uneconomical power but it is probably better to balance this wording to explicitly clarify. I made tweaks in green - This better?

-Jesse

I would suggest that BPA’s message to the Corps be focused on overall, **BPA continues to be concerned about the injunction + EIS resulting in uneconomical power in the Willamette and needs its power to be cost effective.** We support prioritizing the WRDA system-wide disposition study (**in 18 months, primarily focused on hydropower**) to help us collectively determine **if any cost effective power can be found**, or remove power if power can’t be cost effective. We **also** would like to clarify BPA’s role in the disposition economic analysis component and believe that we should have a leading voice in our areas of expertise – aka the economics related to power values.

---

**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Wednesday, January 4, 2023 11:59 AM  
**To:** Cooper,Suzanne B (BPA) - P-6 <[sbcooper@bpa.gov](mailto:sbcooper@bpa.gov)>; Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>;

Marker, Douglas R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Cook, Joel D (BPA) - K-7 <[jdcook@bpa.gov](mailto:jdcook@bpa.gov)>; Kintz, Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Harris, Marcus A (BPA) - F-2 <[maharris@bpa.gov](mailto:maharris@bpa.gov)>  
**Cc:** Mai, Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Todd, Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Hardy, Kyle R (BPA) - FAC-2 <[krhardy@bpa.gov](mailto:krhardy@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Sullivan, Leah S (BPA) - PGB-5 <[lsullivan@bpa.gov](mailto:lsullivan@bpa.gov)>; Senters, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Maslow, Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>

**Subject:** RE: Willamette and WRDA 2022 - Summary of key points discussed on Dec 16 2022

I don't think we are saying 2b at all in that manner. Again, that messaging implies that we believe somehow the Willamette projects can be cost effective. We do not need to say that for this purpose. The discussion should start with prioritizing the disposition studies. Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Jan 4, 2023 2:46 PM, "Kintz, Jesse H (BPA) - PG-5" <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)> wrote:

Hello all,

Heading into our check in with Corps NWD leadership tomorrow, I wanted to follow up with one tweak and one point of clarification on Bill's key point #1 below related to BPA's Willamette strategy that we discussed before the holidays.

I would remove the word "reliable" from this characterization. We are continuing to build knowledge and awareness around the fact that the power from the Willamette has limited to no capacity value in contrast to the Columbia/Snake power (BPA is generally told how much we get and in what windows). The power is also less reliable in the sense that fish needs and water conditions have a significant impact on the mw generated.

BPA's position: BPA desires to retain the Willamette Valley System's carbon-free, ~~reliable~~ hydropower within the FCPS if cost allocations can be adjusted to make power economically feasible. Only when power will not be economically feasible or when operational changes (e.g. deep drawdowns) make hydropower infeasible should deauthorization be the course of action.

While the above position represents a practical approach, BPA needs to be cautious with how we characterize the interplay between cost allocation and deauthorization with the Corps.

The wording's characterization could be misinterpreted to infer deauthorization is plan B. While this is true in a practical and long-term sense, BPA should bear in mind that in the near-term, the 2022 WRDA (with significant input/backing from some of BPA's stakeholders/customers) directing a disposition study on power de-authorization just passed and has real traction, whereas the cost allocation path forward is currently less defined. Therefore, even though cost allocation makes sense as an outcome for any projects with remaining economic power, BPA needs to avoid sending a signal that we are de-prioritizing the disposition study / deauthorization path and related WRDA 2022 language.

I would suggest that BPA's message to the Corps be focused on overall, **BPA continues to be concerned about the injunction + EIS resulting in uneconomical power in the Willamette.** We support prioritizing the WRDA system-wide disposition study to help us collectively determine **if any cost effective power can be found**, or remove power if power can't be cost effective. Third, we would like to clarify BPA's role in the disposition economic analysis component and believe that we should have a leading voice in our areas of expertise – aka the economics related to power values.

-Jesse

**Jesse Kintz**



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**From:** Cook,Joel D (BPA) - K-7 <[jdcook@bpa.gov](mailto:jdcook@bpa.gov)>  
**Sent:** Monday, December 19, 2022 12:06 PM  
**To:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Marker,Douglas R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Harris,Marcus A (BPA) - F-2 <[maharris@bpa.gov](mailto:maharris@bpa.gov)>; Cooper,Suzanne B (BPA) - P-6 <[sbcooper@bpa.gov](mailto:sbcooper@bpa.gov)>  
**Cc:** Hardy,Kyle R (BPA) - FAC-2 <[krhardy@bpa.gov](mailto:krhardy@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Sullivan,Leah S (BPA) - PGB-5 <[ssullivan@bpa.gov](mailto:ssullivan@bpa.gov)>; Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Sinters,Anne E (BPA) - LN-7 <[aesinters@bpa.gov](mailto:aesinters@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>  
**Subject:** RE: Willamette and WRDA 2022 - Summary of key points discussed on Dec 16 2022

Thanks Bill  
Looks good to me

**Joel D. Cook**  
Chief Operating Officer, K-7  
**BONNEVILLE POWER ADMINISTRATION**  
C: (b)(6) P: 503-230-7640 | [jdcook@bpa.gov](mailto:jdcook@bpa.gov)

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**From:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>  
**Sent:** Friday, December 16, 2022 4:21 PM  
**To:** Cook,Joel D (BPA) - K-7 <[jdcook@bpa.gov](mailto:jdcook@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Marker,Douglas R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Harris,Marcus A (BPA) - F-2 <[maharris@bpa.gov](mailto:maharris@bpa.gov)>; Cooper,Suzanne B (BPA) - P-6 <[sbcooper@bpa.gov](mailto:sbcooper@bpa.gov)>  
**Cc:** Hardy,Kyle R (BPA) - FAC-2 <[krhardy@bpa.gov](mailto:krhardy@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Sullivan,Leah S (BPA) - PGB-5 <[ssullivan@bpa.gov](mailto:ssullivan@bpa.gov)>; Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Sinters,Anne E (BPA) - LN-7 <[aesinters@bpa.gov](mailto:aesinters@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>  
**Subject:** Willamette and WRDA 2022 - Summary of key points discussed on Dec 16 2022

Joel, Suzanne, Marcus, Jesse, Doug, Sonya, *et all*

Summary of key points discussed on Dec 16 2022

BPA's position: BPA desires to retain the Willamette Valley System's carbon-free, reliable hydropower within the FCRPS if cost allocations can be adjusted to make power economically feasible. Only when power will not be economically feasible or when operational changes (e.g. deep drawdowns) make hydropower infeasible should deauthorization be the course of action.

BPA's position: BPA believes the disposition study required by WRDA 2022 must be completed on schedule (in 18 months). To accomplish this the scope needs to be both limited and focused primarily on hydropower.

NOTE: We need to be aware the act states:

*“In carrying out the disposition study under paragraph (1) the Secretary shall review the effects of deauthorizing hydropower on –*

*(A) Willamette Valley hydropower operations;*

*(B) other authorized purposes of such project;*

*(C) cost appointments;*

*(D) dam safety;*

*(E) compliance with the requirements of the Endangered Species Act;*

*(F) the operations of the remaining dams within the Willamette Valley hydropower project.”*

BPA’s position: BPA should be an active partner with the Corps in hydropower’s economic analysis as the Corps moves forward in the disposition studies and potential cost allocation updates.

Action: We need the legal and financial definition and clarity on the term “*new construction*” as intended in WRDA 2022.

Bill,

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH  
**Sent:** Friday, March 3, 2023 7:24 AM  
**To:** Marker,Doug R (BPA) - AIR-7  
**Subject:** RE: Willamette update

Thanks!

Sonya Baskerville  
BPA National Relations  
(b)(6) m

On Mar 3, 2023 10:00 AM, "Marker,Doug R (BPA) - AIR-7" <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)> wrote:  
Hannah is out but back in early next week and I relayed to her that we'd like to include more participants – Just FYI.

---

**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Friday, March 3, 2023 6:40 AM  
**To:** Marty Kanner <[mkanner@KANNERANDASSOC.COM](mailto:mkanner@KANNERANDASSOC.COM)>; Samantha McDonald <[Smcdonald@kannerandassoc.com](mailto:Smcdonald@kannerandassoc.com)>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Subject:** Willamette update

Hey there. Yesterday, John and I met with Grand Rhonde tribe who are support the deauthorization and are worried about whether the Corps will actually work expeditiously and effectively to conclude the disposition studies. Mark Dedrick is representing them back here (of course not with T&I).

Mark has some past experience dealing with the Corps on disposition studies on another project purpose (I think a levee or something), so he could provide helpful advice on watching out for the "slowdown" points the Corps may interject into the process.

We are trying to set-up a time to meet with Suzanne Knuse. It would be great if we could have a joint meeting of BPA, you, Native Fish Society and WildEarth Guardian reps, and Mark to discuss next steps for the studies.

Thanks.

Sonya Baskerville  
BPA National Relations  
(b)(6) m

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH  
**Sent:** Thursday, March 30, 2023 3:13 PM  
**To:** Dondy-Kaplan,Hannah A (BPA) - AIR-7  
**Cc:** Marker,Doug R (BPA) - AIR-7  
**Subject:** Recap of Meeting with Chavez-DeRemer's staff today

Thanks! Colin used to work for Reichert.

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Mar 30, 2023 5:54 PM, "Dondy-Kaplan,Hannah A (BPA) - AIR-7" <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)> wrote:  
Hi Sonya

(b)(5)



What am I missing Doug?

Hannah

---

**From:** Seifert,Roger E (BPA) - AIN-WASH  
**Sent:** Wednesday, March 22, 2023 12:21 PM  
**To:** Alexander,Doug (BPA) - FAC-2  
**Cc:** Baskerville,Sonya L (BPA) - AIN-WASH; Marker,Doug R (BPA) - AIR-7  
**Subject:** Section 8220 Disposition Study on Hydropower in the Willamette Valley, Oregon  
**Attachments:** 35998.pdf

Doug,

Attached above is the Willamette enacted federal law language.

It is four pages long---pages 3344 thru 3347 of this document. If you can scan it out and size it down a bit we can insert it in a black boarder box in the Senate briefing document. We could include this law language after the cost allocation narrative we have included from our published BPA FY 2024 Congressional Budget.

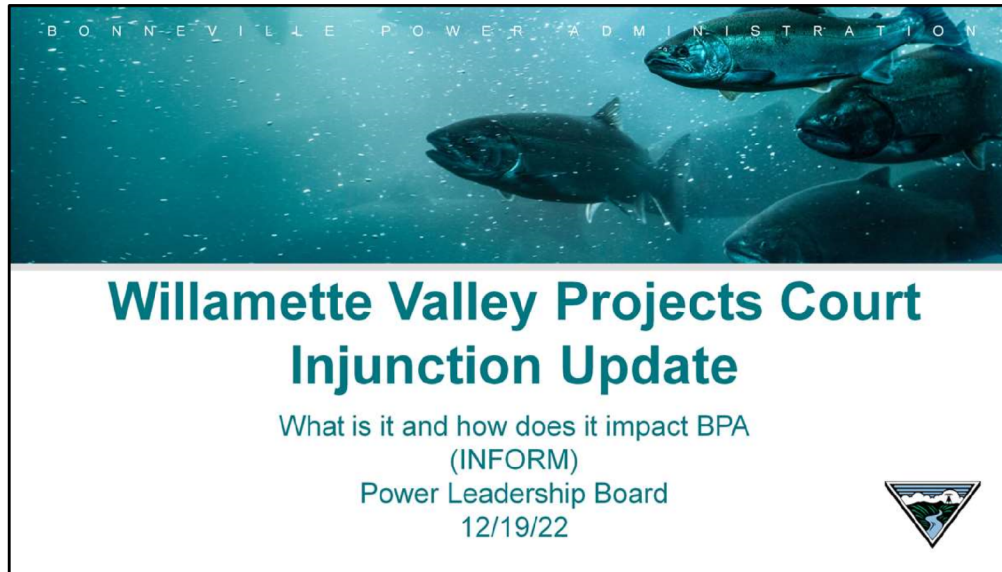
So, we would have about four pages of bullet points on cost allocation, then about one page of bullets on the Willamette disposition study (that we used in the FY 2024 OMB briefing), and then we would have the box with the actual Willamette disposition law language in it.

That is what I am thinking now for our next step to get this draft ready for review. Sonya and Doug may want to adjust it, but our draft is starting with our public budget narrative and the enacted legal text. We have just about updated all the other FY 2024 budget slides that will be available for the briefing. However, the cost allocation section will be the most important section that Sonya will brief on.

I am out of the Treasury and will call you.

Roger

(b)(6) m



PRIMARY SPEAKER: Jesse

Highlight overall goals:

INFORM

Understand what injunction is and report out on impacts of year 1

Explain how injunction fits into the Willamette big picture and the problem with power being uneconomical

Next steps

## What we'll cover

- What is happening overall with power at the Willamette dams?
- What is the Willamette injunction?
- What actions must the USACE do as a result of the injunction?
- How much generation and revenue did BPA lose last year as a result of the injunction?
- What is the overall economic impact of the injunction over the long-term?
- How are we going to track the injunction impacts going forward?
- What happens next in the Willamette?

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PRIMARY SPEAKER: Jesse

Summary Takeaway: Understanding what the presentation will cover

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

## The big picture for Willamette power

- Willamette projects currently produce some of most expensive power – measured by cost of generation - in the FCRPS.

↓

- The Court injunction is reducing power generation and increasing costs making Willamette power even more expensive.

↓

- The proposed measures in the pending Willamette environmental impact statement will further add to the cost of power by continuing to reduce generation and increasing costs.

↓

- BPA is required to market power generated at FCRPS (including Willamette) dams, and also to provide the lowest possible rates to consumers, consistent with sound business principles

↓

- BPA is pursuing cost allocation updates and/or power de-authorization to either reduce costs or remove power entirely if it can't be economical

↓

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PRIMARY SPEAKER: Jesse

Summary takeaway: The injunction is part of the bigger picture problem of uneconomical power in the Willamette. Most of this presentation focuses on the injunction but it is also important to keep the larger picture in mind.



B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

## Injunction Overview

- Willamette Endangered Species Act (ESA) litigation, NEDC v. USACE
  - Plaintiffs: Northwestern Environmental Defense Center, Wild Earth Guardians, and the Native Fish Society
- District Court of Oregon issued Interim Court Order August 2020, Final Court Order September 2021
- USACE and NFMS found liable for violating ESA
- Injunction = “remedy” set of actions required by Court order that Corps must implement until lifted
- Injunction measures will be in place until Willamette Biological Opinion is adopted
  - In reality they will likely be in place indefinitely due to Corps EIS proposal
- Expert panel team – Plaintiff, USACE, NMFS technical experts - refines details
  - Operations, Big Cliff TDG – operations/structural, Dexter hatchery

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PRIMARY SPEAKER: Angad

Walk through background and timing

Highlight that current EIS proposed alternative has these measures in place long term

Summary Takeaway: The injunction is tied to a legal process, is not optional, and will be in place for a long time due to the Corps’ EIS proposed alternative.

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

# Injunction Overview


- Structural and Operational measures.

↓ Revenue

- Operations at Detroit, Green Peter, Foster, Cougar, Lookout Point, Hills Creek.

↑ Costs

- Structures: Dexter fish hatchery (\$\$), Big Cliff TDG abatement (\$\$), Cougar regulating outlets, RME



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SPEAKER: Erin

There are a combination of structural and operational measures that are included in the injunction, operational and some structural relied upon the technical team to determine requirements and feasibility. These measures are expected to be in effect until a WVS EIS and BA is completed and implemented. Revenues are decreasing due to lower generation, Costs will be increasing due to capital repayments of structural measures.

Summary Takeaway: Injunction results in both decreasing revenue and increasing costs.

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

## Injunction Overview - Operations

- **Detroit Dam** – Fall Prioritize regulating outlet usage for temperature control. Spring spill operations..
- **Green Peter Dam** – Spring and fall operations non-turbine priority. Deep drawdown starting in winter 2023.
- **Foster Dam** – Spring and fall passage spill operations and delayed refill.
- **Lookout Point Dam** – Late summer to fall prioritize RO's, spring prioritize spill vs turbines. Deep drawdown starting in winter 2023.
- **Hills Creek Dam** – Prioritize regulating outlets in fall/winter.
- **Cougar Dam** – Fall deep drawdown, spring refill delay, passage through non-turbine priority (regulating outlet).

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PRIMARY SPEAKER: Erin

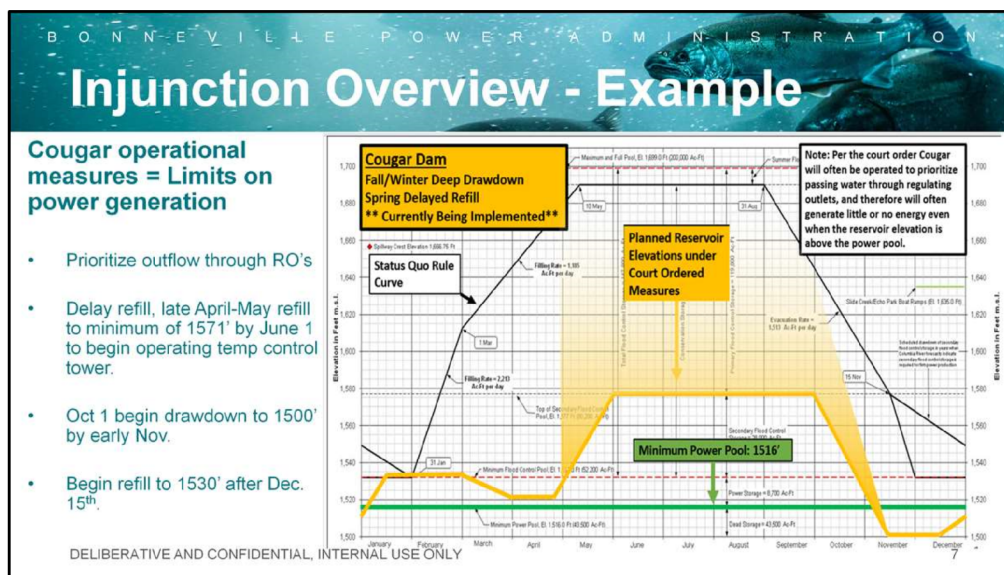
Most Willamette dams have 3 main ways to pass water: spillways, turbines, and regulating outlets.

Many operations prioritize running water through the regulating outlets vs turbines

2023 – Lookout Point and Green Peter drawdowns start

NOTE: Detroit's run of river operations for juvenile fish is limited by penstock inlet elevations.

Summary Takeaway: Injunction operations include less water through turbines (due to drawdowns and/or using RO's) and impact the majority of Willamette projects.



PRIMARY SPEAKER: Erin

Here is a typical rule curve to illustrate how the injunction operations are affecting the amount of water that will be available to generate for Cougar Dam.

Cougar is doing temp control management which could further limit generation

Summary Takeaway: Operations are significantly altered by the injunction and power production will frequently be eliminated and/or constrained.

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

## Measuring lost revenue

- **SME:** Erin Riley, PGPR
- **Review team:** Peter Williams (PGP), Gordon Ashby (PGA), Millie Chennel (PGPR), Glen Smith (PG), Jesse Kintz (PG)
- **Considerations:**
  - Reasonable estimate
  - Relatively simple and repeatable (~12 hours per update)
  - Willamette doesn't have same operational data as Columbia or Snake
- **Approaches considered**
  - 1. Mean monthly generation (OY20 & OY21)
  - 2. In season model of generation vs actual generation
  - 3. **Observed spill vs Expected spill**

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PRIMARY SPEAKER: Erin

Spill is calculated as total outflow less turbine flow (i.e. all non turbine flow is "spill")

This analysis is different than those used for Columbia and Snake (more specific data available for those basins vs Willamette). Main stem Columbia and Snake more scheduled. Willamette has after the fact data but hard to model the operational rules/parameters.

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

## Measuring lost revenue

- **RESULTS**
  - **Generation loss = ~30 aMW**
    - Total Willamette generation Sep-Aug: 110 aMW (total loss due to *all* fish operations 62 aMW, injunction measures account for half)
    - Willamette average (EIS / Corps res sim flow data) = ~171 aMW
    - Willamette average (2022 BPA white book / PNCA data) = ~172 aMW
  - **Revenue loss = ~\$13.5 million**
    - Between 1% and 2% of net secondary revenue
  - Largest impacts at Cougar, Detroit, and Lookout Point
- **Important Context**
  - 2022 had some outlier characteristics including wet spring and high prices
  - Some injunction ops have yet to be implemented
    - The 2023 drawdowns at LCP and GPR are expected to greatly reduce generation and revenue
  - Willamette has unique characteristics vs Columbia/Snake
    - High head, rain based (highly variable water), generation scheduled by Corps with little BPA influence, data limitations

---

- **Key Assumptions**
  - Sep 2019-Aug 2020 used as base water year for expected spill and H/K
  - Time period: Sep 2021-Aug 2022 year (year one of injunction)
  - Monthly mid-C Fall 2022 pricing

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PRIMARY SPEAKER: Erin

Walkthrough the results and important context

Key Takeaways: BPA lost an estimated \$13.5m in revenue in year 1 of injunction (Sep-Aug). Future losses could vary up or down based on changes in water, prices, additional measures, etc.

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

## Long term injunction impacts

- **Net Present Values for all costs/revenues under injunction applied for 30 years**
- **SME:** Gordon Ashby, PGA
- **RESULTS**
  - Injunction modeled generation reduction = ~51 aMW (171 vs 120)
  - 30-year Net Present Value of power generation (EIS No Action Alternative) = \$225 million
  - **30-year Net Present Value of power generation = -\$196 million (\$421 million decrease)**
  - Lowest NPVs at Green Peter/Foster, Lookout Point/Dexter, and Cougar

**Key assumptions:**

- Includes projected reduced revenue from power generation from injunction operations
- Uses 73-water years consistent with EIS analysis
- Corps RESSIM and BPA HYDSIM modeling used for flows and generation
- Mid-C flat prices
- Excludes additional injunction-driven capital costs such as Dexter hatchery

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PRIMARY SPEAKER: Gordon

NPV includes reduced revenue less the costs

Summary Takeaways: Injunction generation reduction of 53 aMW and makes Willamette uneconomical over the long term.

## Planned future process

- **Short term revenue loss tracking**
  - Update 2x/ year (Spring and Fall)
- **Long term injunction cash flow analysis (NPV)**
  - Update on ad hoc basis as needed during EIS process
- **Reporting**
  - Email updates to team and Bill Leady
  - PLB presentations as needed for significant developments

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PRIMARY SPEAKER: Jesse

Summary Takeaway: There is a consistent process set up to track this moving forward.



## Outlook and next steps

- The injunction operations will continue for the foreseeable future.
- Injunction revenue losses will be tracked annually
- The economics of power in the Willamette are looking bleak.
- More analysis is planned to determine if BPA could salvage any value from Willamette power
- BPA will continue to pursue de-authorization and/or cost allocation updates

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PRIMARY SPEAKER: Jesse

Injunction into future due to EIS

Economics of power

More analysis = carbon, price sensitivity, timing of power

De-auth and cost allocations = Congressional action or legislation possible (WRDA update). Trying to work with Corps. PPC and other stakeholders interested.

Summary Takeaways: We'll track the injunction impacts going forward and need to continue to aggressively pursue solutions to address the issue of uneconomical Willamette power.

# Appendix

# Summary of revenue loss calcs

year	month	Estimated Market Value of lost generation (FLAT)						DEX	FOS	GPR	HCR	LOP	TOTAL
		Price	Hours	BCL	CGR	DET							
2021	9	\$ 66.07	720	\$ -	\$ (331,111)	\$ (570,881)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (901,992)	
2021	10	\$ 61.68	744	\$ -	\$ (569,958)	\$ (1,468,490)	\$ -	\$ -	\$ -	\$ (81,455)	\$ -	\$ (2,119,903)	
2021	11	\$ 44.83	721	\$ -	\$ (452,471)	\$ (627,611)	\$ -	\$ -	\$ -	\$ (109,886)	\$ -	\$ (1,189,967)	
2021	12	\$ 50.35	744	\$ -	\$ (221,399)	\$ (1,228,995)	\$ -	\$ -	\$ -	\$ (129,867)	\$ -	\$ (1,580,262)	
2022	1	\$ 39.19	744	\$ -	\$ -	\$ (642,970)	\$ -	\$ -	\$ -	\$ (130,538)	\$ -	\$ (773,508)	
2022	2	\$ 37.26	672	\$ -	\$ (154,892)	\$ (128,114)	\$ -	\$ (30,398)	\$ -	\$ (14,856)	\$ -	\$ (328,260)	
2022	3	\$ 33.69	743	\$ -	\$ (273,678)	\$ (336,947)	\$ -	\$ (39,650)	\$ (235,296)	\$ -	\$ -	\$ (885,572)	
2022	4	\$ 72.30	720	\$ -	\$ -	\$ -	\$ (200,792)	\$ (156,014)	\$ -	\$ -	\$ (482,713)	\$ (839,519)	
2022	5	\$ 55.60	744	\$ -	\$ (966,559)	\$ (620,498)	\$ -	\$ (430,212)	\$ (69,028)	\$ -	\$ (2,244,136)	\$ (4,330,434)	
2022	6	\$ 22.59	720	\$ -	\$ -	\$ -	\$ -	\$ (35,993)	\$ -	\$ -	\$ (110,365)	\$ (146,359)	
2022	7	\$ 53.94	744	\$ -	\$ -	\$ -	\$ (144,486)	\$ -	\$ -	\$ -	\$ (26,578)	\$ (171,064)	
2022	8	\$ 91.67	744	\$ -	\$ -	\$ (163,679)	\$ -	\$ -	\$ -	\$ -	\$ (96,490)	\$ (260,168)	
<b>TOTAL</b>				\$ -	\$ (2,970,068)	\$ (5,788,187)	\$ (345,278)	\$ (692,267)	\$ (304,324)	\$ (466,603)	\$ (2,960,282)	\$ (13,527,009)	

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# Summary of revenue loss calcs

year	month	Expected Lost Generation, aMW								TOTAL
		BCL	CGR	DET	DEX	FOS	GPR	HCR	LOP	
2021	9	0	-7	-12	0	0	0	0	0	-19
2021	10	0	-12	-32	0	0	0	-2	0	-46
2021	11	0	-14	-19	0	0	0	-3	0	-37
2021	12	0	-6	-33	0	0	0	-3	0	-42
2022	1	0	0	-22	0	0	0	-4	0	-27
2022	2	0	-6	-5	0	-1	0	-1	0	-13
2022	3	0	-11	-13	0	-2	-9	0	0	-35
2022	4	0	0	0	-4	-3	0	0	-9	-16
2022	5	0	-23	-15	0	-10	-2	0	-54	-105
2022	6	0	0	0	0	-2	0	0	-7	-9
2022	7	0	0	0	-4	0	0	0	-1	-4
2022	8	0	0	-2	0	0	0	0	-1	-4
<b>TOTAL</b>		<b>0</b>	<b>-7</b>	<b>-13</b>	<b>-1</b>	<b>-2</b>	<b>-1</b>	<b>-1</b>	<b>-6</b>	<b>-30</b>

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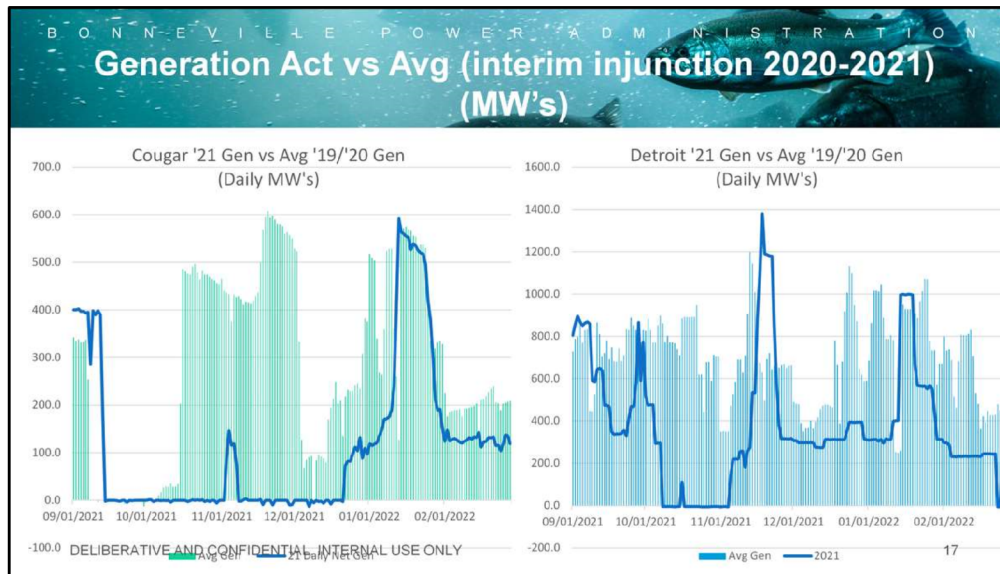
15

# Actual Cougar injunction ops



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Another perspective showing the lost generation

Here are visuals of the operational impacts for Detroit and Cougar as the daily net generation from Sep '21 through February '22 are compared to an average of the previous two years. You can see how the deep drawdown at Cougar in the Nov to Jan timeframe and the use of RO's at Detroit starting in October have impacted typical generation.



B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

**BPA background and Willamette  
dams cost effectiveness**

BPA-USACE coordination meeting  
7/11/22



## Background



For discussion purposes only. Not for distribution

- BPA markets power from the 31 USACE and Reclamation projects in the Federal Columbia River Power System (FCRPS)
- 8 Willamette projects = ~170mw of power
- Willamette projects = among the highest cost of generation projects in the FCRPS

Willamette dams = ~4% of FCRPS system's power



## The math problem

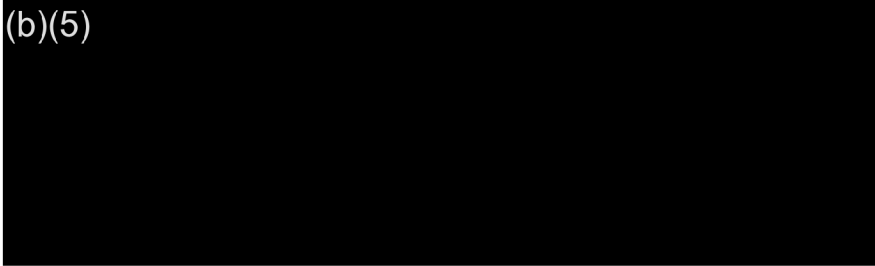
$$\frac{\text{COST}}{\text{GENERATION (mw)}}$$


- **Cost of generation ratio**
  - BPA repays power share of multi-purpose costs based on cost allocation percentages.
  - Increasing costs due to:
    - Court expert panel recommendations
    - \$1B+ proposed EIS structures plus O&M
  - Decreasing generation due to:
    - Court injunction measures
    - Proposed EIS operational measures

For discussion purposes only. Not for distribution

## Economic analysis - COG

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Avg COG for FCRPS dams: ~\$11, estimated COG on open market: varies, currently ~\$34

# Economic analysis - NPV



## HYDROPOWER CRITERIA RESULTS



All action alternatives result in a negative NPV.

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**Definitions of Criteria**

**Net Present Value (NPV) – Primary Criteria**

- Compares the expected revenue produced at each hydropower facility versus expected costs. Presented as a total for the Willamette Valley and by project.

**Levelized Cost of Generation (LCOG) - \$/MWh**

- The incremental cost of producing power at each project. A measure of cost competitiveness that can be compared to other generating resources or market purchases.

For discussion purposes only. Not for distribution

## What's next

- Disposition study
- De-authorization of power and/or cost allocation updates?

For discussion purposes only. Not for distribution

## Draft cost allocation principles

Draft principles to resume collaboration between BPA and Corps on Willamette cost allocation updates.

1. **Updating cost allocations is warranted for certain FCRPS projects in the Willamette Valley.**
2. **Corps and BPA will, as part of this effort:**
  - a. Commit to exploring options beyond a formal cost allocation study and options under existing BPA and Corps authority.
  - b. Utilize a modified SCRB methodology, or other similar, simplified methodology to conduct updates.
  - c. Discuss and determine funding options by the next quarterly report to Congress.
3. **Cost allocation analysis will make best use of and coincide with Willamette Valley System EIS and proposed studies supporting deauthorization of power as a project purpose at Willamette dams.**
4. **Corps and BPA will provide quarterly reports to Congress and OMB.**
5. **Corps and BPA commit to completing the first allocation update by June 2023.**

For discussion purposes only. Not for distribution

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Monday, April 10, 2023 11:29 AM  
**To:** Dondy-Kaplan,Hannah A (BPA) - AIR-7; Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** Bonneville Power Administration Comment to Army on implementation guidance for WRDA 2022 Sec 8220\_03.21.2023.pdf  
**Attachments:** Bonneville Power Administration Comment to Army on implementation guidance for WRDA 2022 Sec 8220\_03.21.2023.pdf

These are the comments we sent to Army for implementation guidance for WRDA 2022



## Department of Energy

Bonneville Power Administration  
P.O. Box 3621  
Portland, Oregon 97208-3621

POWER SERVICES

March 21, 2023

In reply refer to: PG-5

**Comments of the Bonneville Power Administration  
Implementation Guidance for Section 8220 of the Water Resources Development Act of 2022  
Disposition Study on Hydropower in the Willamette Valley, Oregon**

**Docket ID No. COE-2023-2002**

Ms. Amy Frantz, CEW-P  
U.S. Army Corps of Engineers, 3F91  
441 G Street, N.W.  
Washington, DC 20314

Dear Ms. Frantz,

The Bonneville Power Administration (Bonneville) appreciates the opportunity to comment on guidance for implementing section 8220 of the Water Resources Development Act of 2022. Section 8220 directs the Secretary to carry out a disposition study to determine the Federal interest in, and identify the effects of, deauthorizing hydropower as an authorized purpose in whole, or in part, of the Willamette Valley Project.

Bonneville is the Federal power marketing administration with the statutory authority and sole obligation to market hydroelectric power from the Willamette Valley project. Bonneville implements this authority to ensure an adequate, economic, and reliable power supply for regional power customers in the Pacific Northwest.

Implementation guidance should guide the Corps to scope the project to be deliverable within 18 months by focusing on the power purpose of the WVS dams and not introduce other, more broad analysis that Section 8220 does not address. The analysis should focus primarily on answering whether there is a federal interest in commercial production of hydropower in the future. The implementation guidance should encourage the Corps to incorporate Bonneville's determination of the value of the commercial generation that may remain available with the limits on operations proposed by the draft PEIS.

Bonneville shares the interest of the U.S. Army Corps of Engineers (Corps), for timely and sufficient completion of the final Programmatic Environmental Impact Statement (PEIS) for the Willamette Valley System (WVS), which is evaluating dam passage and water quality designs for anadromous fish restoration above the WVS dams as well as reservoir operational changes. Bonneville believes that the disposition studies required by Congress, if efficiently conducted, will inform the completion of the WVS EIS by incorporating analysis of the Federal interest in commercial power generation. That analysis may

inform design options that are the Corps has not considered in order to preserve power generation as a project purpose.

Bonneville also wants to reiterate points it recently provided to the Corps on the draft PEIS:

- An implementation plan for the consideration of deauthorization and cost allocation updates should be included in the final PEIS.
  - The Draft PEIS estimates the annual benefit of flood protection to be at least \$1 billion and power generation to be \$26 million, yet the power purpose's cost allocation averages around 40 percent. This estimate itself highlights the need for updated cost allocations, and should help inform the Corps of its appropriate short and long-term federal funding requests necessary to meet its most valued project purposes.
- The disposition studies should include the full scope of operational limits affecting hydropower generation. The current PEIS analysis does not reflect the significant cost impact from continued operations of the 2021 Oregon District Court injunction until the Corps completes structural measures. These operations stand to reduce the value of hydropower generation by nearly a third. Under the PEIS implementation schedules, these operational limits will be in place well into the 2040s. Having that information incorporated into the disposition studies analysis will help inform both Congress and the Final PEIS.
- Finally, Bonneville continues to urge the Corps to update structural cost estimates, which the Corps states in the Draft PEIS are likely more than double the current estimates. In addition, recent economic events of inflation, constrained supply chains, and escalated interest rates also likely impact the cost estimates.

Bonneville has also provided its assessment to the Corps that the other project purposes would not be negatively impacted by deauthorization of the project purpose. Bonneville provided this assessment to the Corps in 2021 and respectfully requests that the Corps consider this analysis in the report to Congress responding to Section 8220.

Thank you for your consideration of these comments and please do not hesitate to contact me for any additional information or assistance.

Sincerely,

William J. Leady P.E.  
Vice President for Generation Asset Management  
Bonneville Power Administration

Attachment: Bonneville comments on Draft Programmatic Environmental Impact Statement for Willamette Valley System Operations and Maintenance



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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Monday, March 20, 2023 12:05 PM  
**To:** Kintz,Jesse H (BPA) - PG-5  
**Subject:** FW: BPA comments on WRDA 2022 implementation guidance

I sent to a army; just not this internal distribution. But than k s for checking

Sent from Workspace ONE Boxer

On Mar 20, 2023 11:45 AM, "Kintz,Jesse H (BPA) - PG-5" <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)> wrote:  
Just wanted to flag that the bottom refers to an attachment of our EIS comments but it's not in this file (may be intentional)

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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>  
**Sent:** Monday, March 20, 2023 11:35 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Biegel,Sarah T (BPA) - EC-4 <[stbiegel@bpa.gov](mailto:stbiegel@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>  
**Subject:** BPA comments on WRDA 2022 implementation guidance

I've sent in comments to the Department of the Army for implementation guidance to the Corps for the section of WRDA 2022 directing disposition studies for Willamette hydro power.

Forwarding FYI

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarter@bpa.gov](mailto:drmarter@bpa.gov)

(b)(6) phone and text

**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Fri Feb 24 11:09:40 2023  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** FW: Willamette Valley System Draft EIS for public review - Oregon comments  
**Importance:** Normal  
**Attachments:** 2023\_02\_23\_Oregon WVS Draft EIS Comments\_FINAL.pdf

Lengthy comments. As you'll see in my previous e-mail, nothing I saw that contradicts our points.

But they aspire to satisfy both fish and agriculture.

**From:** Maslow,Jeffrey J (BPA) - EC-4 <jjmaslow@bpa.gov>  
**Sent:** Friday, February 24, 2023 11:13 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <hadondy-kaplan@bpa.gov>  
**Cc:** Nagra,Angad S (BPA) - LN-7 <ASNagra@bpa.gov>; Senters,Anne E (BPA) - LN-7 <aesenters@bpa.gov>; Biegel,Sarah T (BPA) - EC-4 <stbiegel@bpa.gov>; Mai,Amy E (BPA) - EC-4 <aemai@bpa.gov>; Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>  
**Subject:** FW: Willamette Valley System Draft EIS for public review - Oregon comments

FYI – Oregon's comment letter on the draft EIS.

**From:** REIS Kelly E \* ODFW <Kelly.E.REIS@odfw.oregon.gov>  
**Sent:** Thursday, February 23, 2023 5:20 PM  
**To:** willamette.eis@usace.army.mil  
**Cc:** MELCHER Curt \* ODFW <Curt.MELCHER@odfw.oregon.gov>; WOODCOCK Douglas E \* WRD <Douglas.E.WOODCOCK@water.oregon.gov>; FELDON Leah \* DEQ <Leah.FELDON@deq.oregon.gov>; HENDERSON Lauren \* ODA <Lauren.HENDERSON@oda.oregon.gov>; CALLENS Judith \* ODA <Judith.CALLENS@oda.oregon.gov>; GRAMLICH Nancy H \* DEQ <Nancy.H.GRAMLICH@deq.oregon.gov>; REIS Kelly E \* ODFW <Kelly.E.REIS@odfw.oregon.gov>; MUCKEN Alyssa M \* WRD <Alyssa.M.MUCKEN@water.oregon.gov>; ONEIL Stacey \* DEQ <Stacey.ONEIL@deq.oregon.gov>; TATE Michelle L \* ODFW <Michelle.L.TATE@odfw.oregon.gov>; WRIGHT Amanda L \* ODFW <Amanda.L.WRIGHT@odfw.oregon.gov>; RODRIGUEZ Lucia \* ODA <Lucia.RODRIGUEZ@oda.oregon.gov>; COOK Nirvana Z \* WRD <Nirvana.Z.COOK@water.oregon.gov>  
**Subject:** [EXTERNAL] Willamette Valley System Draft EIS for public review - Oregon comments

Please find attached Oregon's comments on the Willamette Valley System Draft Environmental Impact Statement.

Thank-you for the opportunity to comment.

Kelly Reis

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Kelly Reis (she/her)

Willamette Fish and Wildlife Policy and Program Manager  
Oregon Department of Fish & Wildlife

3150 Main Street | Springfield, OR | 97478

P: 541-686-7880 | C: (b)(6)

kelly.e.reis@odfw.oregon.gov

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Monday, February 27, 2023 3:47 PM  
**To:** Dondy-Kaplan,Hannah A (BPA) - AIR-7  
**Subject:** FW: Willamette Valley System Draft EIS for public review - Oregon comments  
**Attachments:** 2023\_02\_23\_Oregon WVS Draft EIS Comments\_FINAL.pdf

Hannah – After reading these comments, I thought it would be a good idea to have a few members of the Willamette team meet with you to talk about the themes in Oregon’s comments and how we might summarize points of alignment and potential conflict. I hope this would help frame discussions with policy leadership in the Governor’s office.

I asked Troy to find some time when you are back from vacation.

Best,

Doug

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**From:** Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>  
**Sent:** Friday, February 24, 2023 9:13 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <[jkintz@bpa.gov](mailto:jkintz@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Cc:** Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Biegel,Sarah T (BPA) - EC-4 <[stbiegel@bpa.gov](mailto:stbiegel@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>  
**Subject:** FW: Willamette Valley System Draft EIS for public review - Oregon comments

FYI – Oregon’s comment letter on the draft EIS.

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**From:** REIS Kelly E \* ODFW <[Kelly.E.REIS@odfw.oregon.gov](mailto:Kelly.E.REIS@odfw.oregon.gov)>  
**Sent:** Thursday, February 23, 2023 5:20 PM  
**To:** [willamette.eis@usace.army.mil](mailto:willamette.eis@usace.army.mil)  
**Cc:** MELCHER Curt \* ODFW <[Curt.MELCHER@odfw.oregon.gov](mailto:Curt.MELCHER@odfw.oregon.gov)>; WOODCOCK Douglas E \* WRD <[Douglas.E.WOODCOCK@water.oregon.gov](mailto:Douglas.E.WOODCOCK@water.oregon.gov)>; FELDON Leah \* DEQ <[Leah.FELDON@deq.oregon.gov](mailto:Leah.FELDON@deq.oregon.gov)>; HENDERSON Lauren \* ODA <[Lauren.HENDERSON@oda.oregon.gov](mailto:Lauren.HENDERSON@oda.oregon.gov)>; CALLENS Judith \* ODA <[Judith.CALLENS@oda.oregon.gov](mailto:Judith.CALLENS@oda.oregon.gov)>; GRAMLICH Nancy H \* DEQ <[Nancy.H.GRAMLICH@deq.oregon.gov](mailto:Nancy.H.GRAMLICH@deq.oregon.gov)>; REIS Kelly E \* ODFW <[Kelly.E.REIS@odfw.oregon.gov](mailto:Kelly.E.REIS@odfw.oregon.gov)>; MUCKEN Alyssa M \* WRD <[Alyssa.M.MUCKEN@water.oregon.gov](mailto:Alyssa.M.MUCKEN@water.oregon.gov)>; ONEIL Stacey \* DEQ <[Stacey.ONEIL@deq.oregon.gov](mailto:Stacey.ONEIL@deq.oregon.gov)>; TATE Michelle L \* ODFW <[Michelle.L.TATE@odfw.oregon.gov](mailto:Michelle.L.TATE@odfw.oregon.gov)>; WRIGHT Amanda L \* ODFW <[Amanda.L.WRIGHT@odfw.oregon.gov](mailto:Amanda.L.WRIGHT@odfw.oregon.gov)>; RODRIGUEZ Lucia \* ODA <[Lucia.RODRIGUEZ@oda.oregon.gov](mailto:Lucia.RODRIGUEZ@oda.oregon.gov)>; COOK Nirvana Z \* WRD <[Nirvana.Z.COOK@water.oregon.gov](mailto:Nirvana.Z.COOK@water.oregon.gov)>  
**Subject:** [EXTERNAL] Willamette Valley System Draft EIS for public review - Oregon comments

Please find attached Oregon’s comments on the Willamette Valley System Draft Environmental Impact Statement.

Thank-you for the opportunity to comment.

Kelly Reis

---

Kelly Reis (she/her)

Willamette Fish and Wildlife Policy and Program Manager  
Oregon Department of Fish & Wildlife

3150 Main Street | Springfield, OR | 97478  
P: 541-686-7880 | C: (b)(6)  
[kelly.e.reis@odfw.oregon.gov](mailto:kelly.e.reis@odfw.oregon.gov)



# Oregon

Tina Kotek, Governor

Department of Agriculture  
Department of Environmental Quality  
Department of Fish and Wildlife  
Water Resources Department

Submitted electronically to: [willamette.eis@usace.army.mil](mailto:willamette.eis@usace.army.mil)

February 23, 2023

U.S. Army Corps of Engineers  
ATTN: CENWP-PME-E / Willamette EIS  
PO Box 2946  
Portland, OR 97208-2946

RE: State of Oregon Comments on Willamette Valley System Draft Environmental Impact Statement

On behalf of the State of Oregon, by and through its departments of Agriculture, Environmental Quality, Fish and Wildlife, and Water Resources, we acknowledge the U.S. Army Corps of Engineers (USACE) for the tremendous amount of work and dedication to developing the Willamette Valley System Draft Programmatic Environmental Impact Statement (draft EIS). As Cooperating State Agencies, we appreciate the opportunity to participate in the development process and provide input and comments.

The four State agencies contributing to this comment letter have diverse missions, expertise, and stakeholders. However, the agencies are united in expressing concern for the fate of the listed salmon, steelhead, and bull trout in the Willamette Basin and the urgent need for the USACE to take actions to secure their future. The long-term persistence of these populations is vital to the social, cultural, and economic health of the State. That persistence continues to be threatened by the ongoing operation of the Willamette Valley System. The USACE has largely failed to implement the most significant actions (downstream passage) from the 2008 BiOp that are necessary to halt the decline of these populations. Continued inaction or delayed action is not acceptable. In the following comments, the agencies document their concerns with the draft EIS. Our overarching request is that the USACE engage in a collaborative fashion with the agencies (and others) and work with a sense of urgency that is not currently reflected in the timelines outlined in the draft EIS. Given the many uncertainties and assumptions underpinning the various alternatives we support the USACE taking near-term actions, including those ordered by the court, such as deep drawdowns, that provide near term relief to fish populations. In addition, we strongly encourage the USACE to pair these actions with improved basin-wide monitoring. This step is critical to understanding the impact of these measures on lifetime survival and for informing adaptive management, especially with considerable uncertainty surrounding the USACE's ability to fund and construct the infrastructure currently prioritized under the preferred alternative.

Oregon previously provided comments on the draft EIS on September 28, 2022 as part of the Cooperating Agency "red flag" review. Additionally, we provided comments on draft alternative 2 on October 27, 2021, and on the alternatives and measures on June 10 and June 12, 2020. Oregon recognizes the USACE did not have adequate time to address all Cooperating Agency comments,

including those provided by Oregon, prior to releasing the EIS for public review. Many of those comments remain relevant and should be addressed during this public process prior to releasing the final EIS. Please reach out to staff for assistance.

Oregon has reviewed the draft EIS 30-year plan for the operation and maintenance of 13 dams and reservoirs within the Willamette Valley System (the “WVS”). The proposed action is continued operation and maintenance of the WVS for specific, authorized purposes and in compliance with the ESA and all other applicable treaties, laws, and regulations. The purpose of and need for the proposed action is to ensure (1) USACE manages the WVS for its authorized purposes as required by Congress while (2) also meeting its requirements under the ESA (Chapter 1.0). The draft EIS describes and evaluates impacts related to a No Action Alternative and seven Action Alternatives that address the Proposed Action. The USACE also identifies Preferred Alternative 5 in this draft EIS.

### **Introduction: Missions of Oregon Cooperating Agencies**

The Oregon Department of Agriculture’s (ODA) mission is to ensure healthy natural resources, environment, and economy for Oregonians now and in the future through inspection and certification, regulation, and promotion of agriculture and food. Our vision is that the Oregon Department of Agriculture remains able to serve the changing needs of Oregon’s diverse agricultural and food sectors to maintain and enhance a healthy natural resource base and strong economy in rural and urban communities across the state. The ODA Natural Resources Program is focused on addressing water quality, water quantity, and natural resource conservation on agricultural lands.

The Oregon Department of Environmental Quality’s (DEQ) mission is to be a leader in restoring, maintaining, and enhancing Oregon's air, land, and water. DEQ's values guide agency actions for the Air, Land, and Water Programs: environmental results; public service; partnerships, excellence and integrity; teamwork; employee growth; diversity, equity and inclusion; health, safety, and wellness; and economic growth through quality environment. The Water Quality Program's mission is to protect and improve Oregon's water quality. Protecting Oregon's rivers, lakes, streams and groundwater quality keeps these waters safe for a multitude of beneficial uses such as drinking water, fish habitat, recreation, and irrigation.

The Oregon Department of Fish and Wildlife’s (ODFW) mission is to protect and enhance Oregon’s fish and wildlife and their habitats for use and enjoyment by present and future generations. The agency’s vision is to be the recognized steward of Oregon’s fish and wildlife resources with diversified funding that supports our mission. ODFW works to address the needs of sensitive, threatened, and endangered fish species listed under state and federal laws with the goal of achieving broad sense recovery that can support sustainable fisheries and provide ecological benefits. In the Willamette Basin, ODFW relies significantly on the USACE mitigation hatchery program to meet these needs while also implementing actions such as habitat restoration to benefit native fish populations. ODFW seeks to achieve healthy and harvestable populations with salmon and steelhead recovery.

The Oregon Water Resources Department’s (OWRD) mission is to serve the public by practicing and promoting responsible water management by directly addressing Oregon's water supply needs and restoring and protecting streamflows and watersheds in order to ensure the long-term sustainability of Oregon's ecosystems, economy, and quality of life. As a regulatory agency, OWRD is responsible for the administration of water rights, water management, water policy, and water supply planning for the

State of Oregon. One of OWRD's [strategic priorities](#) is to secure Oregon's instream and out-of-stream water future in the face of increasing water scarcity.

The proposed action in the draft EIS has significant implications for state agencies, tribes, local communities, and the resources affected by operations and maintenance of the WVS. Oregon shares the following comments in support of improving the EIS.

### **Fish and Fish Passage Considerations**

Lack of access to habitat via safe and effective passage at Willamette Valley Project dams is a key limiting factor for salmon and steelhead recovery in the Willamette Basin (ODFW & NMFS, 2011).<sup>1</sup> Unlisted native migratory fish species, including lamprey, are also impacted by lack of passage at WVS dams. Passage solutions should benefit all native migratory species. The draft EIS Preferred Alternative includes both structural and operational fish passage solutions to benefit ESA-listed fish but fails to include adequate passage solutions at Hills Creek Dam. Safe and effective fish passage at Hills Creek Dam must be a part of the Preferred Alternative to avoid risking the long-term persistence of the local bull trout population.

#### **A) Volitional Fish Passage**

Although there are different and substantial challenges for providing passage at the Willamette Project dams, the Clackamas Basin and to a lesser extent, the annual drawdown at Fall Creek Dam, both provide examples of what can be achieved when volitional passage is provided. Oregon is optimistic that evaluations (if properly designed) will demonstrate sufficient and successful operational passage through Cougar Dam when reservoir elevations are managed to provide reliable access to safe passage outlets. Depending on the results of the Disposition Study, additional options for providing volitional downstream passage through the dams may become available using other existing or new outlets and should be evaluated.

#### **B) Need to Provide Fish Passage at Hills Creek Dam**

Oregon urges the USACE to include passage at Hills Creek Dam as part of the Preferred Alternative. Safe and reliable up and downstream fish passage at Hills Creek Dam for all native migratory fish, including ESA-listed spring Chinook and bull trout, is needed to re-establish connectivity among historically connected populations and habitats. Passage is required to avoid extirpation of bull trout, facilitate Chinook salmon recovery, and reconnect other native fish populations in the mainstem Middle Fork Willamette with those upstream of Hills Creek Dam. Access to these connected habitats will become more important as Oregon experiences the adverse environmental effects of climate change.

The draft EIS analysis is significantly flawed with respect to inadequately identifying the demographic risk to the bull trout population above and below Hills Creek Dam. The analysis fails to consider the impact of providing court-ordered operational downstream passage without providing upstream passage for those fish that migrate downstream. It mischaracterizes habitat suitability for bull trout

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<sup>1</sup> ODFW (Oregon Department of Fish and Wildlife) and NMFS (National Marine Fisheries Service). 2011. Upper Willamette River Conservation and Recovery Plan for Chinook Salmon and Steelhead. August 5, 2011. West Coast Region, NMFS.



below Hills Creek Dam and general bull trout life history. The analysis must be corrected in the final EIS to more transparently justify the scoring used in the assessment model and to reflect the impacts of the court-ordered operational downstream passage. The Upper Willamette Bull Trout Working Group should have opportunities to provide input on the scoring process and risk assessment given its familiarity with the local bull trout population, its behavior, and habitat conditions and use.

The draft EIS analysis assumes that the bull trout population above Hills Creek Dam has been steadily increasing in abundance without upstream and downstream passage. However, a significant operational change to provide downstream fish passage was implemented in the fall of 2021 at Hills Creek Dam and is scheduled to continue until the adaptive management check-in scheduled in 2047. The draft EIS did not address the impact of this significant operational change on bull trout at Hills Creek Dam.

Under the injunction, special near-term operational measures at Hills Creek Dam were implemented to prioritize night-time spill through the Hills Creek Dam Regulating Outlet (RO) specifically to increase downstream fish passage for juvenile spring Chinook salmon. This measure will provide access to all species seeking to move downstream when instream flows are peaking, and at a time when natural fish emigration is anticipated. Like Chinook, bull trout are surface-oriented and unlikely to dive in search of passage through deep outlets. Bull trout exhibit a migratory life history, actively moving downstream for overwinter foraging and subadult rearing. This behavior requires intact migratory pathways between downstream overwintering habitats and upstream spawning habitats. Providing safe passage to suitable habitats below Hills Creek Dam for foraging and rearing can be beneficial for bull trout, but only if upstream passage is available to access spawning habitat.

The draft EIS acknowledges that risk of mortality is high for emigrants passing below dams and risk is high for increased downstream passage. The final EIS should include additional required steps necessary to reduce the risk and severity of downstream passage injury at Hills Creek Dam. Such mitigation measures should include screening the penstock intake as has been done at Cougar Dam, and making modifications to the intake tower, RO tunnel, and exit through the RO (currently a free-fall exit onto boulders) to improve outcomes for fish passing downstream.

The cumulative impact of the court-ordered operational downstream passage at Hills Creek Dam was not part of the analysis nor has sufficient time passed for any impact to be detected in the bull trout population. This is especially important given the time needed for bull trout to reach sexual maturity and iterative (iteroparous) contributions of sexually mature bull trout to the upstream spawning population (i.e., individual females may spawn up to eight consecutive years). In fact, the impact of the injunction actions on fish populations above and below Hills Creek Dam will be extremely difficult to monitor and assess and will remain a source of considerable uncertainty for the foreseeable future.

The fundamental basis for any logical assessment must consider that with increased downstream fish passage, reasonable measures must be taken to minimize the impact of that passage. If bull trout survive passage downstream, there is additional real risk in failing to recover individual bull trout that pass downstream to maintain the above-dam population. In other words, given the current suite of operating conditions to increase downstream passage, failing to provide upstream fish passage is a significant risk. Downstream movement is not maladaptive and poor habitat below the dam is not a risk or justification for not providing upstream passage. Bull trout migrating below Hills Creek Dam are not part of a separate population at this location. These individuals are necessary to maintain the

population above the dam. Any suggestion otherwise is intentionally misleading and prevents informed decision-making – contrary to NEPA requirements.

Increased opportunities for downstream passage will logically lead to increased migration below the dam. Habitat conditions below Hills Creek Dam are suitable for overwintering, foraging, and migration. While the normative water temperature regime below Hills Creek Dam is severely altered by the impoundment of water and management of flow by the dam, these conditions are not so severe as to be detrimental to the survival and recovery of adult bull trout residing below Hills Creek Dam. Bull trout residing below Hills Creek Dam originated from above the dam and are necessary to maintain the population above the dam.

The statement that, “Even without passage, the population above Hills Creek has increased... indicates that this population performs reasonably well under the NAA” is not accurate because the court-ordered downstream passage measure has created a significant change in operating conditions that is not accounted for in the NAA.

Instead, the final EIS must explain that, in the absence of upstream passage, the Hills Creek Dam Near-Term Operation Preferred Alternative Measure, specifically the nighttime RO prioritization for improved downstream fish passage, may lead to bull trout population (above and below Hills Creek Dam) extirpation or viability failure prior to the 2047 check-in. Furthermore, under the Preferred Alternative, reduced storage at Cougar Reservoir will require the release of water from other reservoirs, notably in the Middle Fork subbasin, to meet the mainstem Willamette River flow targets. Additional water released through Hills Creek Dam will result in more bull trout moving downstream and a loss to the spawning population above the dam if upstream passage is not provided.

The successful reintroduction of this extirpated population upstream of Hills Creek Dam was more than thirty years of investment of resources from cooperators. This population represents an aquatic resource of economic, ecological, and aquatic and terrestrial ecosystem functional significance. Because this population was sourced directly from wild bull trout in the adjacent upper McKenzie River subbasin it serves to mitigate risk of catastrophic events in the entire upper Willamette Basin. The upper McKenzie River meta-population is the only upper Willamette bull trout population to persist to the present day, following the local extirpation events in the Clackamas, Santiam, Middle Fork Willamette subbasins.

The final EIS must identify implementation of a near-term passage solution until a permanent solution is in place in order to avoid significant adverse environmental impacts. An upstream migrant facility at this location does not need to accommodate large numbers of fish, however it must be functional soon to assist bull trout recovery. Excluding upstream migrants to prevent turbine blade-strike at the base of the dam should be part of the solution. Oregon would like to work with USACE to develop a feasible passage solution. Oregon has previously noted that safe and reliable passage is needed at Hills Creek Dam (see comments provided by ODFW to USACE on November 19, 2021, as well as comments provided by USFWS and NMFS, when asked to comment on the biological need for passage at Hills Creek Dam). Providing safe and effective upstream and downstream passage for bull trout at Hills Creek Dam aligns with the 2015 USFWS Bull Trout Recovery Plan and should be part of the overall passage solution for spring Chinook and other native migratory species.

Significant gains for ESA-listed and unlisted fish populations are possible by providing passage at Hills Creek Dam. Like Green Peter Dam, where passage is proposed as part of the Preferred

Alternative, Hills Creek Dam has limited passage opportunities currently and excellent underutilized habitat available upstream that will become more important as adverse environmental impacts associated with climate change occur. Providing passage at one dam or the other is a false choice. Both Hills Creek and Green Peter dams should have upstream and downstream fish passage as part of the Preferred Alternative.

### **C) Include Measures to Restore Self-Sustaining Lamprey Populations**

Pacific lamprey have been significantly impacted by the construction and operation of the Willamette Valley System. Specific measures (outlined below) are needed in the Preferred Alternative to provide lamprey passage and address impacted habitat with the eventual goal of increasing population size to a sustainable level that can support tribal harvest opportunities at Willamette Falls. Oregon acknowledges the cultural importance of these ancient fish to several Indigenous tribes and encourages the USACE to work closely with them, ODFW, and other federal partners to proactively address project impacts to lamprey.

Pacific lamprey are a [Sensitive species](#) in the state of Oregon and the species is part of a significant conservation effort, the [Pacific Lamprey Conservation Initiative](#). In addition to providing lamprey passage, the final EIS should incorporate mitigation measures to improve translocation for lamprey as soon as possible, particularly as climate change is expected to reduce the carrying capacity of the species. Implementation should include funding for tribes, ODFW, and other federal partners to monitor success of lamprey passage improvements and translocation efforts to inform adaptive management. Evaluation and adaptive management must be part of a transparent and collaborative process where regional input is considered.

### **Water Quantity**

The draft EIS lacks information regarding how existing water management requirements and processes (Willamette Basin Review (WBR) Study and 2020 Water Resources Development Act and 2019 WBR BiOp) will affect implementation and expected outcomes of the alternatives. The final EIS should include a clear framework for how these documents interrelate, and it should clearly describe how stored water will be managed during dry years.

In addition to the lack of clarity regarding integration with other water management processes, the draft EIS generally lacks adequate information to evaluate how the proposed flows will impact the viability of listed species or other beneficial uses of water, including water rights. Additionally, there is insufficient detail provided to assess whether the proposed flows adequately account for the expected impacts of climate change. We offer more detail regarding these omissions below.

### **A) Need for Consideration of the Willamette Basin Review and 2019 WBR BiOp**

Recently, the USACE and OWRD studied the potential to use stored water from the Willamette Valley Project reservoirs for multiple purposes because demands on the basin's water supplies have changed significantly since the dams were constructed, due to increasing population, development, irrigation needs, and the listing of fish species under the Endangered Species Act. Following initial construction, the federal government secured water rights for the storage of 1.64 million acre-feet of water, limiting the use of secondary water rights to irrigation uses. The study's purpose was to determine if reallocating the storage space could better meet water needs not only for irrigation, but also as a source of drinking water for communities and instream flow needs for listed fish species in the basin.

The study recommended a plan for reallocating stored water in coordination and consultation with federal, state, and local agencies, and tribes. The recommended plan was a compromise among various interests and sectors throughout the basin. In 2020, the U.S. Congress approved the reallocation, designating 1,102,600 million acre-feet for fish and wildlife, 327,650 acre-feet for agricultural irrigation, and 159,750 acre-feet for municipal and industrial uses. Congress also determined that in carrying out the reallocation, the USACE shall meet its obligations under the ESA by complying with the 2019 WBR BiOp. There is a strong interest and desire among agencies, basin stakeholders, and others to contribute to a longer-term water management plan that optimizes the use of a shared resource for all uses of water, both instream and out-of-stream.

As the USACE plans operations and maintenance of the Willamette Valley Project Reservoirs, the allocations and the requirement to comply with the 2019 WBR BiOp must be integrated into water management decisions. The final EIS should include information clarifying how the WBR and the 2019 WBR BiOp measures will affect the amount of stored water available each year for fish and wildlife, municipal and industrial uses, and agricultural irrigation uses.

Oregon supports implementation of a science-based decision-making process developed with stakeholder input for how available water will be distributed during dry years that complies with the ESA. A transparent and well-understood decision-making process will allow stakeholders to make informed choices in years of anticipated shortfalls and help those that rely on stored water or may be considering the costs of purchasing storage space to determine the reliability of this source of water.

The draft EIS references an additional 62,050 acre-feet of stored water would be needed for existing users whose water right would be junior to instream water rights as a backup water source (pg. J-9, 175 PDF). It is important to note that this amount represented a conservative analysis conducted for the Willamette Basin Review study and represents a potential scenario involving the conversion of the 1964 minimum perennial streamflows to instream water rights. The amount of supplemental water needed by irrigators will depend on how frequent those instream water rights are met during different water years at various locations. Section 3.3.4 (pg. 93) of the Willamette Basin Review feasibility study describes 62,050 acre-feet as a worst-case scenario and assumes the instream water rights are not being met. Referencing the language used in the WBR Study in the draft EIS will provide additional context and better explain the potential for increased water demand for agriculture.

#### **B) Improve Access to Existing Storage to Meet Future Water Needs**

Oregon recognizes the difficulties of managing the reservoirs to meet all intended purposes. Compared to other alternatives, Preferred Alternative 5 performed better at minimizing impacts to the conservation storage capacity, reducing stored water by 98,536 acre-feet. Oregon has concerns with any alternative that will result in significant loss of existing storage available for all uses of water. For example, Alternative 3A results in a loss of 590,000 acre-feet of stored water and Alternative 3B represents an even greater loss of 669,000 acre-feet.

Through basin level planning processes, the Water Resources Commission has long identified the Willamette Valley Project reservoirs as an important source of water supply for future water needs in the basin. Access to new water supplies is very limited in the basin, with several groundwater limited areas and live flow (natural flow) restricted to only a few small or instream uses in most watersheds during the summer months. Access to sufficient stored water is critical for supporting new appropriations for both instream and out-of-stream uses.

Oregon strongly recommends that any alternative selected as part of a final EIS consider the importance of sufficiently filling and operating these multi-purpose reservoirs to meet current and future water needs in the basin, not only for fish and wildlife but for the continued long-term economic viability of our communities and industries, and consistent with the goals of the Willamette Basin Review efforts.

### **C) Need to Clarify Use of Storage Allocations**

The draft EIS includes several flow-related measures to aid with downstream passage and to reduce thermal stress on ESA-listed fish. In the continued operations of the WVP reservoirs, it is important to recognize that the amount of water that the projects release to achieve the 2008 BiOp flow objectives, including passed inflow, exceeds the maximum conservation storage of the system. This means that reservoir storage alone will never be enough to meet the BiOp flow needs. The final EIS should account for how much stored water is needed to meet the previously established or revised flow objectives, or various spill operations. The Willamette Basin Review study allocated more than 1.1 million acre-feet, or 69 percent of the stored water to fish and wildlife purposes. The final EIS should specifically describe how the USACE intends to utilize this allocation to meet ESA objectives.

The draft EIS briefly touches upon the conversion of minimum perennial streamflows (MPSFs) to instream water rights, an RPA from the 2008 Biological Opinion. The draft EIS does not discuss the connection between the use of storage, minimum perennial streamflows, and secondary instream water rights. This should be addressed by identifying that the fish and wildlife storage allocation could be used to support legal instream protections downstream of the dams. It is important for partners and stakeholders to understand that the amount of water needed to satisfy the MPSFs is uncertain. Upon adoption of MPSF rules in 1964, not all dams had been constructed and others were later deauthorized. A specific storage volume was not included in the state's administrative rules. Instead, the rules describe an instantaneous release of stored water up to a certain amount, with measurement locations in all major sub-basins, including four locations on the mainstem. Conversion to instream water rights is further complicated by the 2008 Biological Opinion flow objectives that do not align with the MPSFs in the release amounts and locations. Although considered a state-led administrative action, conversion of the MPSFs to instream water rights will depend upon sustained commitment and participation from federal agencies that oversee dam operations and set biological flow objectives for ESA needs.

The State of Oregon has a responsibility to plan for future instream and out-of-stream water needs. The USACE must undertake a science-based decision-making process, developed with input from partners, for how available water will be distributed during dry years. A transparent and well-understood process will allow all parties to make informed choices in years of anticipated shortfalls.

### **D) Need to Provide Clarity on Proposed Flows and Water Management**

Oregon has repeatedly voiced concern about the lack of detail provided to assess how the Preferred Alternative (or any of the alternatives) will impact water availability for multiple fish populations and consumptive uses (see comments requesting additional information dated October 27, 2021 and September 28, 2022). This is especially important in the context of the duration, magnitude, and timing of low flows. The draft EIS does not address those concerns. Additional information is needed in the final EIS to determine whether the water released to augment streamflows and decrease temperature will be sufficient to achieve ESA obligations under historical or future climate conditions.

The Preferred Alternative proposes biweekly additions to stream discharge based on wet/dry flow targets in tributaries and flow targets on the Willamette, at Salem and Albany, based on NOAA's water supply forecast with augmented pulse releases of water to meet instream temperature criteria. The final EIS should be amended to include more rationale for the approach taken to determine proposed flows, as well as more clarity for how pulse flows will be released to meet different temperature and flow targets in tributaries and on the mainstem throughout the season and under a range of environmental conditions, including prolonged drought. Information about whether or how early releases of stored water would affect later availability of water for other uses, including how temperature pulses would be delivered (from which reservoirs), is necessary. A review of how releases are optimized to meet multiple flow target criteria and a description of potential trade-offs, including impacts and benefits to fish and wildlife, municipal, industrial, and agricultural irrigation uses, must be included in the final EIS to foster informed decision-making.

Under this draft EIS, two flow targets were developed for tributaries below Detroit/Big Cliff, Green Peter/Foster, Cougar, and Lookout Point/Dexter according to the storage achieved and whether operations are less than or greater than 90 percent of the rule curve. The difference in these two flow targets for the Preferred Alternative (Measure 30b) can be substantial. Evaluating differences in flow targets is essential for understanding the potential effects on fish and wildlife and other users. Climate projections predict warmer, more rain-driven winters and hotter/drier summers resulting in changes in the amount and timing of when water is available. Additionally, climate modeling suggests the region will experience more intense and prolonged droughts. These climate projections will impact the potential to achieve the higher flow targets set for WVP tributaries and the Willamette at Salem and Albany.

Understanding the frequency of a wet/dry year classification system under current and future conditions can help set expectations of water availability when developing procedures and guidelines for flow releases and water withdrawals and will help agencies prepare for future conditions. Frequency distributions for different classification schemes (other than wet/dry) are presented in the 2019 WBR BiOp (Table 2.5-2 pg. 72). Please provide frequency distributions like those in the 2019 WBR BiOp using the wet/dry classifications under current and expected future conditions at all WVP projects to facilitate the evaluation of alternatives and associated impacts to mainstem and tributary flows. Analyses and comparisons should include the Preferred Alternative proposed flows (Measure 30b) and reservoir elevations, as well as actual flows and reservoir elevations from the modeled years (2011, 2015 and 2016). In the absence of additional information needed to evaluate the frequency of anticipated flow conditions and the corresponding biological responses, as well as a more thorough understanding of water availability trade-offs of providing pulse flows, we have significant concerns with Measure 30b.

Lastly, the final EIS should clarify how decisions related to flow releases will be determined (for example, based on a formalized procedure utilizing an interagency adaptive management workgroup or some other mechanism).

## **Water Quality**

The draft EIS lacks an explanation for how and when impacts to water quality will be assessed and prioritized to avoid impacts to listed fish. Summer releases from the dams are typically cooler than pre-dam conditions, with the reverse (warmer than pre-dam conditions) occurring in autumn. This temperature regime has been detrimental to the habitat of threatened Upper Willamette River (UWR)

Chinook salmon (*Oncorhynchus tshawytscha*) and UWR winter steelhead (*O. mykiss*) throughout multiple life stages. Where the USACE does not include measures in the alternative to address known issues, e.g., meeting TMDL temperature targets, the final EIS should also include a discussion of other mitigation measures or alternatives. The need for mitigative measures includes addressing impacts in the near-term through adaptive management provisions until planned long-term solutions can be implemented. The social, economic, and environmental tradeoffs associated with each of the alternatives need to be thoroughly documented in the final EIS before selection of the alternative and implementation of the proposed action. For example, decisions that increase fall releases to improve conditions for spawning might necessitate a decrease in summertime flow augmentation and the associated loss of the water quality benefits. Oregon looks forward to working closely with the USACE to determine suitable measures to mitigate for these unaddressed impacts of the WVS.

Additional water quality considerations that need to be addressed in the final EIS are listed below:

- Include information on the assessment for harmful algal blooms for public health and safety, and drinking water (Chapter 3 Tables).
- Include additional text to clarify that pollution abatement through flow releases does not resolve all water quality concerns, but may contribute to other concerns, such as downstream temperature issues at other projects without temperature control towers, dissolved oxygen, or mercury methylation (Chapter 1, 1.7.8, 1.8.4, 1-47, 1-55).
- Chapter 3, 3.5.1, 3-403, regarding paragraphs 3, 4, & 5 – inaccurate information. Resources for correct information can be found here: [2022 Integrated Report Fact Sheet](#) and [DEQ's Willamette TMDL webpage](#).
- Include the reference for temperature targets on the mainstem and clarify how these targets are used to meet water quality standards. The [2022 Integrated Report](#) shows the Willamette mainstem is impaired for temperature during the summer for rearing and migration and impaired during the fall for spawning. Dissolved oxygen should also be assessed.
- The Oregon Health Authority has statewide, Willamette mainstem, and subbasin fish consumption guidelines for mercury and PCBs. The revised TMDL for mercury is mentioned throughout the draft EIS. These parameters should be fully assessed for the mainstem Willamette and at other applicable projects.
- In Chapter 2, Detroit and Lookout Point temperature control operations may not be consistently documented or categorized.

## Climate Change

More clarity is needed in the final EIS regarding how the effects of climate change were considered, both in the selection of the Preferred Alternative over the proposed 30-year duration of the EIS, as well as in the adaptive management plan.

Despite a body of science indicating that precipitation patterns and temperatures will change significantly in the Willamette Basin, and that extreme weather events (drought/storm) will become more common, the draft EIS lacks sufficient analysis of, and consideration for, the impacts of a changing climate. For example, based on Chapter 5 (Preferred Alternative Selection and Implementation) it appears that the effects of climate change were not considered (or perhaps only considered marginally) in selection of a preferred alternative despite the extended timeframe analyzed

in the EIS. All of the bio-ecological factors that drive the models used—whether NOAA’s or other’s—will be influenced by a trending climate and more frequent climate extremes. Without adequately discussing the weakness of drawing conclusions from outputs where models were parameterized using data that represent historic or current conditions, the draft EIS analysis lacks scientific rigor and is overly optimistic.

In addition to the general issue outlined above, Section 3.5 in Appendix F-1 (Additional Hydrologic Trend Analyses) is difficult to follow and does not sufficiently or clearly lay out what was done and the rationale for choosing to analyze specific metrics. Table 3-2 should be improved to clearly indicate (1) all trend variables assessed; (2) a definition of each variable; and (3) the results of the statistical tests. For Oregon to evaluate the various alternatives, please provide a better description of the low flow frequency analyses. More information about how changes to frequency, magnitude, and timing of anticipated low flow have been evaluated as part of this climate change analysis to determine the Preferred Alternative is needed. It appears that supplemental, low flow analyses were only conducted at Salem instead of at all the gage locations identified in Table 3-1. Given that there is error associated with correcting flow to arrive at natural flows and the fact that subbasins might respond differently, it is possible that a signal of subbasin changes is masked or evened out at Salem. This clarification should be included in the final EIS. In addition to the one-day minimum flows, the USACE should analyze the 7-day low flow, and/or the 7-day average flow that occurs once every 10 years (7Q10 flow). It isn’t clear that the other metrics analyzed in Table 3-2 are sufficient for a low flow analysis. Furthermore, it is not clear that an analysis considering the anticipated shift in timing of low flows within the year has been conducted. A shift in the trend of low flow timing will have ecological ramifications and will be important for decision-makers to understand. An analysis of the anticipated timing of low flows is needed in the final EIS.

Ultimately, it is important for the USACE to better explain in the final EIS how the Preferred Alternative addresses projected climate change impacts to flow when there is very good agreement among models (e.g., lower flows and elevated temperatures), particularly when these impacts are likely timed with important fish life stages and other uses of water in the Willamette basin.

Climate change must be appropriately considered as part of the Adaptive Management Plan (Appendix N). For example, monitoring effectiveness of fish passage actions relies on as little as two years of information and will be conducted in “average water years.” Use of past averages for these evaluations does not appear to be consistent with due consideration of climate change effects.

### **Implementation & Adaptive Management Plan**

A critical element for gaining Oregon’s support and public confidence during implementation is inclusion of a robust adaptive management process that relies on a transparent and collaborative approach. This includes developing meaningful monitoring and evaluation and providing new information to action agencies in order to respond and pivot appropriately in a timely manner.

Some of the proposed measures in this EIS are very expensive, and funding may be spread over many years or may be difficult to garner at all due to high costs and uncertain outcomes. Model outcomes used to assess potential fish performance in response to proposed actions are highly uncertain. In addition, impacts of some measures on water supply and flow management, for example, are not fully understood. Consequently, USACE should be prepared to use monitoring and evaluation results



collected from Interim- and Near-Term Operation Measures to develop refinements or different alternatives if necessary.

State agencies look forward to working with tribal, federal, and other WATER partners, independent scientists, and the USACE in all aspects of the adaptive management process, including collaborative development of performance metrics and targets.

#### **A) Revised WATER Process**

The ability to implement both near- and long-term measures and the effective evaluation and adaptation of those measures using an unbiased science-based process will ultimately determine the USACE's success in operating and maintaining the Willamette Valley Project in accordance with authorized project purposes while still meeting obligations of the Endangered Species Act. The original WATER process was developed to provide a forum for coordination and to make recommendations to the Action Agencies regarding the 2008 Biological Opinion implementation. Oregon's confidence in the ability to evaluate and adaptively manage implementation and progress of actions identified in the EIS will require a transparent and collaborative decision-making process that can address the failings of the original WATER process.

The current Flow Management and Water Quality Team is an example of a WATER team where coordination and regional input is thoughtfully considered and decision-making factors are clearly communicated and informed by data, whenever possible. However, the WATER process does suffer when rationale for decisions is not clearly documented or when the process is not collaborative. For example, ODFW has previously expressed concern that the USACE was not using priority rankings developed by the RME Team to guide decisions about various study proposals. At that time, ODFW recommended that the USACE rely on the RME Team ranking to inform funding decisions and to add credibility to the process. The proposed adaptive management process must learn from the existing WATER process and objectively consider regional input and document decision-making rationale to achieve desired outcomes with regional support.

Regarding other potential WATER teams, in Chapter 5 and Appendix N Section 4.4 (Figure 4-2, Figure 4-3 and Table 4-4), please explain in the final EIS a) if the Habitat Technical Team will have a role in the WATER governance structure, and if yes, what its responsibilities will be; and b) which technical team(s) will be overseeing the implementation of "measures common to all alternatives."

#### **B) Integrating Reservoir Coordination**

The state identified reservoir coordination as a key resource priority as part of its Willamette Basin Program and planning processes in the early 1990's. The state has long sought to formalize reservoir operation guidelines with the USACE to meet state water management objectives and to enter into a memorandum of understanding or other agreement that defines the reservoir coordination process and water management objectives. As noted earlier, there is a strong interest and desire among agencies, basin stakeholders, and others to contribute to a longer-term water management plan that optimizes the use of a shared resource for all uses of water, both instream and out-of-stream.

Currently, reservoir coordination occurs through WATER teams that focus primarily on BiOp implementation. One of WATER's goals is to, "increase awareness and include consideration of the implementation of the Willamette BiOps' actions on non-listed species, cultural and other resources, and the multi-purposes of the Willamette Project." In the final EIS, please provide clarity on whether

the proposed adaptive management approach or WATER teams will continue to focus on BiOp implementation or be expanded to include plans or guidelines needed to manage storage allocations for multi-purposes and associated water rights during dry or low-water years.

### **C) Fish Passage Evaluation**

ESA-listed Willamette spring Chinook, winter steelhead and bull trout populations have been, and continue to be, negatively affected by the Willamette Valley System, resulting in their continued listing under the ESA. Additionally, other unlisted, native migratory fish populations, including Pacific lamprey, are impacted by the continued operation of the system. The timeline to implement proposed long-term fish passage solutions is protracted (see Figure 5.4-1 in Chapter 5 or Figure 2-4 in Appendix N), with permanent fish passage solutions becoming effective in the 2030s and 2040s. Successful downstream fish passage is critical for long-term sustainability of UWR spring Chinook and winter steelhead fish populations.

The draft EIS Implementation Plan (Appendix N) outlines several near-term (NT) passage operations that will be necessary to prevent further decline, including many that were Court-ordered. However, the proposed evaluation to inform adaptive management is inadequate or lacking altogether (see 5.5.6 Hills Creek Adaptive Management Approach). Given the length of time until some permanent passage solutions are planned for implementation, as well as funding uncertainty, it is imperative that the USACE conduct meaningful evaluations of the effectiveness of NT passage operations and other temporary solutions to ensure the achievement of goals and adjust if necessary. It is conceivable that monitoring will demonstrate that NT passage operations are meeting passage objectives and thus they may even become effective long-term passage solutions.

Oregon has significant concerns about the proposed approach for evaluating successful fish passage. More information and further discussions are needed about how an acceptable downstream passage survival (DPS) will be determined (including what constitutes “typical operating conditions,” timeframe for evaluation, and how estimated precision will be determined). Determining “success” by achieving either the DPS *or* cohort return rate target as low as 1 is inadequate for evaluating a complex biological response to a change in passage conditions. Given the importance of passage improvements in the EIS and subsequent BiOp, the goal should be to achieve far higher levels of certainty and standards in passage assessments. Passage evaluations must be consistent with NOAA standards.

### **D) Flow and Temperature**

Appendix N table 5-1 (pg. N 41) outlines annual adaptive management performance measures for flow and temperature, and Section 5.1.6 states that flow management performance will be assessed every ten years or if significant new information becomes available. Though it is understood that studies relating fish response to habitat are underway, additional annual metrics that relate dam operations to fish response are needed. Also, the timing of evaluation and adjustments must be biologically meaningful; ten years is likely too long. For example, evaluating annual biologically relevant metrics could be key in understanding what can be done to assist adult migration of spring Chinook salmon through the mainstem, in summer, during extreme temperature events. These events will likely increase given the trajectory of climate change, increasing temperatures and lower summer flows.

Oregon requests evaluations of additional performance metrics and related models in the early stages of implementation to evaluate interactions between dam operations, flow, and temperature management, and biological response. Otherwise, given the lack of available information for how

biological systems will respond to proposed flows and water management, and the urgency for actions needed to benefit fish populations, the USACE risks undermining the ability of decision-makers to understand the environmental consequences of proposed operations. DeWeber and Peterson (2020)<sup>2</sup> outline potential additional metrics that were of interest to the Science of the Willamette Instream Flow Team (SWIFT) intended to evaluate Chinook and steelhead thermal exposure and accumulation. SWIFT-identified metrics that may be appropriate to consider, such as the proportion of juvenile Chinook outmigrants exposed to temperatures greater than 18 °C, adult Chinook thermal accumulation Degree days (°C), and juvenile steelhead exposure to April-May temperatures greater than 15°C. In addition, we recommend monitoring the climate change-related flow metrics included in Appendix F1, Table 3-2 for annual and monthly changes in magnitude, timing, and frequency. Understanding what can be done to assist adult migration of spring Chinook salmon through the mainstem in summer will be important, especially given the trajectory of climate change and increasing temperatures and lower summer flows. Including additional performance metrics in the final EIS and relying on a science-based approach can help inform any necessary adjustments to dam operations during adaptive management discussions.

#### **E) The Need for Adaptive Management Based on Research, Monitoring, and Evaluation**

The purpose and need for the proposed action identified in Section 1.3 is the continued operation and maintenance of the WVS in accordance with authorized purposes while meeting ESA obligations. To assess the extent to which any of the alternatives meet the purpose and need, the USACE relies on models produced by NOAA (life cycle model) and the University of British Columbia (Integrated Passage Assessment model) to quantify fish responses.

As was appropriate, NOAA authors caveated their analyses heavily (e.g., Conclusions *in* Myers et al. 2022 in Appendix E, Chapter 7). For example, NOAA concludes that outputs should be considered on a relative basis because of a paucity of data to parameterize their model and sub-components, and untenable or questionable assumptions inherent in the Fish Benefit Workbook (FBW) that inherently drives the NOAA model(s). UBC similarly acknowledges the lack of data needed to parameterize their model(s) with any confidence (Appendix E, Chapter 8). Due to limited data and a heavy reliance on potentially flawed assumptions, results are necessarily, and prohibitively, uncertain. Therefore, the model results are used as a relative measure to rank the likelihood of the alternatives to effectively meet the Proposed Action ESA objective (see Section 5.2.2.4.1).

Oregon strongly encourages the USACE to incorporate a robust monitoring and adaptive management program to collect data as part of ongoing efforts to understand the fish response, including life cycle survival, to interim/near-term and longer-term passage actions. This will require basin-wide monitoring infrastructure and adequate numbers of tagged fish released to inform reach-level survival and EIS modeling efforts.

Key to any adaptive management framework is the willingness *and* ability to change program direction as information is collected. Oregon supports adaptive management and encourages the USACE to be willing to change course even if it requires shifting from long-held assumptions about preferred solutions. Oregon, regional WATER partners, and independent scientists must have an active role in

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<sup>2</sup> DeWeber, J.T. and Peterson, J.T., 2020. Comparing environmental flow implementation options with structured decision making: case study from the Willamette River, Oregon. *JAWRA Journal of the American Water Resources Association*, 56(4), pp.599-614.

developing the research, monitoring, and evaluation needed for achieving successful outcomes. Information gaps and proposed research to address those gaps should be identified, prioritized, and vetted collaboratively with state and regional partners and independent scientific review as part of a transparent process. A transparent decision-making process that openly considers regional input and documents rationale and addresses partner concerns will build trust and support for outcomes.

### **Hatchery Impacts and Adapting the Hatchery Program**

The measure for adapting the hatchery program (M719) should be removed from the final EIS. Adapting the hatchery program once replacement rates for above-dam fish are adequate to grow and maintain a sustainable population above the dams is best addressed within the established framework of the Hatchery and Genetic Management Plans (HGMPs). The HGMPs and 2019 Hatchery BiOp are legal documents agreed to by NMFS, ODFW, and USACE that are necessary to ensure the mitigation hatchery programs are implemented in accordance with the ESA. The USACE's NEPA process and EIS document do not supersede these legal documents. The EIS should be reviewed for consistency with them and revised as needed.

The hatchery programs are intended to mitigate for the lack of habitat access and other habitat impacts on fish populations and fisheries. Providing passage alone does not restore population health or abundance, nor will it necessarily prevent jeopardy for these listed stocks or restore a fishery. Mitigation for other on-going impacts associated with the Willamette Valley System will remain necessary once successful fish passage has been implemented.

Impacts of the hatchery programs on UWR spring Chinook and winter steelhead were evaluated in the 2019 Hatchery BiOp. The first "Reasonable and Prudent" measure required under the Hatchery BiOp is the continued funding and implementation of the hatchery programs according to the spring Chinook salmon HGMPs. The Hatchery BiOp also resulted in a list of terms and conditions for ODFW and USACE to continue hatchery operations for providing angling opportunities and for assisting with conservation efforts in compliance with the ESA. Oregon is implementing the terms and conditions in compliance with the Hatchery BiOp. The first "Term and Condition" defines production numbers of hatchery spring Chinook salmon and specifies that any proposed changes to production levels must be consistent with the adaptive management approaches specified in the appropriate HGMP. NMFS must issue written concurrence with the changes prior to adoption. As such, the final EIS should acknowledge and describe the existing and established processes for such changes.

The draft EIS includes language that is not consistent with the HGMPs or Hatchery BiOp. These discrepancies should be addressed in the final EIS. For example, the targets identified for outplanting hatchery fish in the HGMPs are incorrectly referred to as "abundance thresholds" in the draft EIS (Table 2-21). These are minimum targets, not maximums, and the Hatchery BiOp and HGMPs should be referenced in the final EIS where these targets and other criteria have already been set.

Section 3.8, Fish and Aquatic Habitat (Chapter 3), contains several misleading statements in relation to the impacts of hatchery steelhead and Chinook on native or listed fish species. In addition, actions taken by the State in response to the Hatchery BiOp have reduced potential impacts. The HGMPs provide a framework for crediting hatchery production needs once fish passage has been determined to be successful at a dam. The long timeline for the implementation of structural fish passage at the dams described in the draft EIS will provide more than sufficient time for the fisheries agencies and the USACE to determine the detailed crediting approach that robustly addresses the issues associated with

crediting and fish passage. ODFW does not agree with the crediting approach proposed in the draft EIS. Any hatchery impacts and proposed changes to the hatchery mitigation program are most appropriately addressed through the existing HGMP and Hatchery BiOp processes and must also consider related fishery impacts. The crediting section and overall discussion of hatchery program modifications in Appendix N should be removed from the final EIS.

## **Additional Considerations**

### **A) Power Disposition and EIS Implementation**

Results of power disposition studies directed by WRDA may influence the feasibility of potential WVS fish passage solutions and related water management. The USACE should coordinate with Regional WATER partners to share power disposition study results once they are available and to collaboratively determine how those results might expand options for providing fish passage, including opportunities to eliminate the need for re-regulating facilities in the basin.

For example, the Preferred Alternative includes a deep drawdown of Cougar Reservoir to the diversion tunnel to provide fish passage. A large amount of sediment will be mobilized with this operation, resulting in economic and ecological impacts, including impacts to fisheries and the recently restored areas downstream of the dam. Robust evaluations of passage using the regulating outlet, and a turbine-less penstock if power is deauthorized, should be conducted to determine whether these options could provide similar passage survival to that of the diversion tunnel, but with fewer impacts. If a drawdown to the diversion tunnel remains the preferred passage solution, it will be critical to implement “lessons learned” from earlier sediment mobilization events resulting from drawing down Cougar Reservoir to the tunnel.

### **B) Support for USFWS FWCAR Recommendations**

Oregon encourages the USACE to implement the Conservation Recommendations identified in the USFWS Fish and Wildlife Coordination Act Report (Appendix Q). General recommendations include restoring and supporting ecological processes and long-term monitoring to inform on-going adaptive management in an uncertain future, and specific recommendations include delaying Fern Ridge Reservoir drawdown to simulate a more natural winter hydrology to benefit wildlife. Species-specific recommendations will benefit a host of representative native fish and wildlife and their habitats that were not specifically addressed by the EIS but are nonetheless, impacted by the WVS.

### **C) Sediment and Gravel Disposition**

Erosion land loss should be added to the evaluation of environmental impacts/costs in Appendix C of the final EIS. The evaluation of environmental impacts shows that surface erosion risks are considered a “minor factor” in sediment supply changes “with the presence of flood storage projects that can trap sediment and regulate peak flood flows in the basin, the expected changes in the regulated reaches will be largely mitigated,” p. C-15. However, Appendix C projects geomorphic change (such as bar growth, bank erosion or avulsions) under Preferred Alternative 5, acknowledging the potential for land loss resulting from bank erosion/failure due to added abrasion from increased sediment and gravel disposition. Table 2-20 in Appendix C indicates potential for *major* geomorphic change in the North Santiam, South Santiam, McKenzie, and Blue Rivers.

#### **D) Increased Irrigation Costs**

In Chapter 7, Environmental Operating Principle #3 is designed to “Create mutually supporting economically and environmentally sustainable solutions,” however, it only considers the increase in temporary construction wages (economic) and reduced flood risk (environmental) and does not address the expected increased irrigation costs of a supplemental stored water right and/or crop damage due to a lack of water. The final EIS must account for potential environmental and socioeconomic costs of mid-season irrigation water loss and offer a means of mitigating or supporting decision making regarding the risk of irrigation water loss. As stated above, there is a strong interest among agencies, basin stakeholders, and others to contribute to a longer-term water management plan that optimizes the use of a shared resource for all uses of water. In drier years, which are expected to increase, constraints on stored water will make it challenging to achieve a balance of environmental health, economic prosperity, and social well-being. The EIS should prioritize actions that maximize this balance consistent with ESA obligations. Oregon supports implementation of a science-based decision-making process developed with stakeholder input for how available water will be distributed during dry years.

Individual agricultural producers often find it difficult to make fallow/not fallow decisions using limited precipitation and water storage information in advance of the growing a season. Where a producer opts to move forward and not leave fields fallow, the loss of irrigation water partway through a season can mean crop loss and potentially increased erosion from wind and water processes. These kinds of outcomes were observed with recent and ongoing drought conditions in the Deschutes basin; farmers affected by irrigation water loss mid-season experienced crop losses and soil exposure during summer conditions when establishing a cover crop was not possible. Subsequent fall rains resulted in extensive soil erosion that affected soil health, water quality and in some cases stormwater systems in adjacent communities.

#### **E) Socioeconomic Value of Fish and Fisheries**

The final EIS must include a thorough analysis of impacts of the proposed actions on recreation and the socioeconomic value of fisheries. The analysis must consider the full geographic scope of these affected fisheries, as well as impacts to fisheries for both hatchery and wild fish.

The draft EIS does not adequately consider the socioeconomic value of fisheries (hatchery or wild, ESA-listed or not) in its analysis. The omission of socioeconomic effects on salmon fisheries allows for the restriction of effects described in the draft EIS to those affecting a far smaller area than is real. In fact, these effects flow all the way to southeast Alaska and British Columbia fisheries where some ESA-listed UWR Chinook harvest is allowed (see Appendix Table C-70, Pacific Salmon Commission Chinook Technical Team Report TCCHINOOK (2021)-05 <https://www.psc.org/download/35/chinook-technical-committee/14106/tcchinook-21-05.pdf>). Salmon fishery areas in the lower Columbia River downstream of the Willamette River and all salmon fishery areas within the Willamette basin must be considered as well. The EIS is setting the baseline for effects as only applicable within the reservoirs themselves, which inappropriately ignores significant effects in other areas attributable to the WVS operations. This allows for false conclusions in a variety of significant areas in the draft EIS that the action alternatives have no or negligible effects, when in fact the actions would have effects that are beyond negligible and, in several cases, would be significant. In effect, this error prevents informed decision-making.

The draft EIS concludes that natural populations will not increase to a level that would support direct harvest in fisheries under any of the alternatives. The draft EIS further purports that if there is no direct

harvest of ESA-listed fish then there is no socioeconomic impact on fisheries from any of the alternatives. While ODFW maintains that the latter presumption is false, if it were true, then the only socioeconomic impact on fisheries stemming from the Willamette system would be those derived from hatchery production. Foremost among that would be production from USACE mitigation programs which would be subject to reduction. If increases in production of ESA-listed fish due to improved passage provides no socioeconomic benefit (as stated repeatedly in the EIS) but increases in production of ESA-listed fish due to improved passage do lead to reduction in mitigation hatchery production, it is inconsistent to conclude that adapting the hatchery program (Measure 719) would have indirect and negligible long-term effects on recreation, or on socioeconomics overall.

A reduction in hatchery fish production without fisheries benefits from improved natural production will cause a net loss to recreational opportunity and economies associated with these fishery resources. The significance of that effect would be proportional to the amount of reduction not otherwise offset with other fishery improvements, as the draft EIS states would only occur if the actions are successful.

Finally, the draft EIS presumes that unless directed harvest of ESA species occurs there is no economic or recreational effect of the alternatives. This is inaccurate as impacts to Willamette basin ESA-listed fish species are a primary driver in managing several fisheries and control fishery opportunities even if they are not directly harvested. As a result, the status of those ESA species is a direct contributor to the economic and recreational outcomes of those fisheries and improvements or declines in their status will affect those outcomes. Moreover, Oregon has established a recovery goal that goes beyond ESA delisting and results in restoring populations to a 'healthy and harvestable' state. Avoidance of jeopardy alone does not meet that goal. Oregonians place a value on these iconic fish as a state symbol independent of the fishery.

#### **F) Editorial Comments**

- Chapter 3, 3-13.1.1, pg. 3-997: Remove reference or add text to clarify the conditions required to extend the irrigation season for a sub-basin. Reference to ORS 537.385 is misleading.
- Chapter 5, 5., pg. 5-42: Label for Figure 5.5-2. USACE Adaptive Management Cycle Figure 5.4-2 is referenced in text description.
- Chapter 7: Explain if this applies: Title 1 Section 313 (33 U.S.C. 1323) to Section 7.
- Table 3.1-3: Clarify whether safety concern or environmental effect is the focus for tiered NEPA.
- Chapter 5 (Figure 5.4-1) and Appendix N (Figure 2-4): Include a summary list of anticipated tiered NEPA projects with timelines and decision points with the alternative implementation timeline in.
- Appendix I, Socioeconomics; Appendix K, Recreation; Appendix M, Costs – Add summary or reference to Preferred Alternative 5 to confirm Alternative 5 was evaluated against these factors.

## In Closing

Thank you for the opportunity to comment. We appreciate the USACE extending the public comment period to allow for a more thorough public review process. Oregon has highlighted several themes and concerns above that require additional consideration before the EIS can be finalized. We look forward to working with the USACE and other regional partners to finalize the EIS and implement the proposed action.

Please do not hesitate to contact our WATER Steering Team representatives regarding the information provided.

Sincerely,

(b)(6)

Lauren Henderson, Acting Director  
Oregon Department of Agriculture

Leah Feldon, Director  
Oregon Department of Environmental Quality

(b)(6)

Curtis E. Melcher, Director  
Oregon Department of Fish and Wildlife

Douglas E. Woodcock, Acting Director  
Oregon Water Resources Department

cc: WVS EIS Cooperating Agencies



---

**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Thursday, March 16, 2023 11:51 AM  
**To:** Leady Jr,William J (BPA) - PG-5  
**Cc:** Kintz,Jesse H (BPA) - PG-5; Smith,Glen A (BPA) - PG-5; Welch,Julee A (BPA) - LP-7; Senters,Anne E (BPA) - LN-7; Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** For approval by march 21 - Comments to Army for implementation guidance for Section 8220 of WRDA 2022  
**Attachments:** Comment to Army on implementation guidance for WRDA 2022 Sec 8220 v2.docx

Bill – Comments are due next Tuesday to the Army for implementation guidance for the Willamette disposition studies section of 2022 WRDA.

I drafted proposed comments for your review and signature. These largely reiterate the points that Sonya made earlier this month in the Army’s public workshops and reiterate points we made in our comments on the draft EIS. I’ve incorporated suggestions from Jesse.

Could you review these and let me know if you approve and will sign? I’m happy to discuss.

Best,

Doug

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)

(b)(6) phone and text

*FOR INTERNAL DISCUSSION ONLY. NOT FOR DISTRIBUTION*

Draft of March 16, 2023

**Comments of the Bonneville Power Administration  
Implementation Guidance for Section 8220 of the Water Resources Development Act of 2022  
Disposition Study on Hydropower in the Willamette Valley, Oregon**

**Docket ID No. COE-2023-2002**

Ms. Amy Frantz, CEW-P  
U.S. Army Corps of Engineers, 3F91  
441 G Street, N.W.  
Washington, DC 20314

Dear Ms. Frantz,

The Bonneville Power Administration (Bonneville) appreciates the opportunity to comment on guidance for implementing section 8220 of the Water Resources Development Act of 2022. Section 8220 directs the Secretary to carry out a disposition study to determine the Federal interest in, and identify the effects of, deauthorizing hydropower as an authorized purpose in whole, or in part, of the Willamette Valley Project.

Bonneville is the Federal power marketing administration with the statutory authority and sole obligation to market hydroelectric power from the Willamette Valley project. Bonneville implements this authority to ensure an adequate, economic, and reliable power supply for regional power customers in the Pacific Northwest.

Implementation guidance should guide the Corps to scope the project to be deliverable within 18 months by focusing on the power purpose of the WVS dams and not introduce other, more broad analysis that Section 8220 does not address. The analysis should focus primarily on answering whether there is a federal interest in commercial production of hydropower in the future. The implementation guidance should encourage the Corps to incorporate Bonneville's determination of the value of the commercial generation that may remain available with the limits on operations proposed by the draft PEIS.

Bonneville shares the interest of the U.S. Army Corps of Engineers (Corps), for timely and sufficient completion of the final Programmatic Environmental Impact Statement (PEIS) for the Willamette Valley System (WVS), which is evaluating dam passage and water quality designs for anadromous fish restoration above the WVS dams as well as reservoir operational changes. Bonneville believes that the disposition studies required by Congress, if efficiently conducted, will inform the completion of the WVS EIS by incorporating analysis of the Federal interest in commercial power generation. That analysis may inform design options that are the Corps has not considered in order to preserve power generation as a project purpose.

Bonneville also wants to reiterate points it recently provided to the Corps on the draft PEIS:

- An implementation plan for the consideration of deauthorization and cost allocation updates should be included in the final PEIS.
  - The Draft PEIS estimates the annual benefit of flood protection to be at least \$1 billion and power generation to be \$26 million, yet the power purpose's cost allocation averages around 40 percent. This estimate itself highlights the need for updated cost allocations, and should help inform the Corps of its appropriate short and long-term federal funding requests necessary to meet its most valued project purposes.
- The disposition studies should include the full scope of operational limits affecting hydropower generation. The current PEIS analysis does not reflect the significant cost impact from continued operations of the 2021 Oregon District Court injunction until the Corps completes structural measures. These operations stand to reduce the value of hydropower generation by nearly a third. Under the PEIS implementation schedules, these operational limits will be in place well into the 2040s. Having that information incorporated into the disposition studies analysis will help inform both Congress and the Final PEIS.
- Finally, Bonneville continues to urge the Corps to update structural cost estimates, which the Corps states in the Draft PEIS are likely more than double the current estimates. In addition, recent economic events of inflation, constrained supply chains, and escalated interest rates also likely impact the cost estimates.

Bonneville has also provided its assessment to the Corps that the other project purposes would not be negatively impacted by deauthorization of the project purpose. Bonneville provided this assessment to the Corps in 2021 and respectfully requests that the Corps consider this analysis in the report to Congress responding to Section 8220.

Thank you for your consideration of these comments and please do not hesitate to contact me for any additional information or assistance.

Sincerely,

William J. Leady P.E.  
Vice President for Generation Asset Management  
Bonneville Power Administration

Attachment: Bonneville comments on Draft Programmatic Environmental Impact Statement for Willamette Valley System Operations and Maintenance

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Friday, March 17, 2023 4:14 PM  
**To:** Arendt,Samantha A (BPA) - PG-5  
**Subject:** RE: Comments to format for Bill Leady to sign and send to Department of the Army by Tuesday, March 21

No – I put that information in as a header for the letter. Not exactly the best format, but has the key information.

---

**From:** Arendt,Samantha A (BPA) - PG-5 <[SAArendt@bpa.gov](mailto:SAArendt@bpa.gov)>  
**Sent:** Friday, March 17, 2023 4:02 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmmarker@bpa.gov](mailto:drmmarker@bpa.gov)>  
**Subject:** RE: Comments to format for Bill Leady to sign and send to Department of the Army by Tuesday, March 21

Is there anything in the content of the comment letter that should be omitted from the official letter that Bill signs? I'm asking about the bolded information at the top of the letter specifically.

Very Respectfully,

**Samantha A. Arendt** (She/Her)

Management Associate to Bill Leady & Birgit Koehler

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | P 503-230-4710



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**From:** Marker,Doug R (BPA) - AIR-7 <[drmmarker@bpa.gov](mailto:drmmarker@bpa.gov)>  
**Sent:** Friday, March 17, 2023 3:33 PM  
**To:** Arendt,Samantha A (BPA) - PG-5 <[SAArendt@bpa.gov](mailto:SAArendt@bpa.gov)>  
**Cc:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Wright,Troy S (CONTR) - AIR-7 <[tswright@bpa.gov](mailto:tswright@bpa.gov)>  
**Subject:** Comments to format for Bill Leady to sign and send to Department of the Army by Tuesday, March 21

Hi Sam – Thanks for discussing this with me this afternoon. As I mentioned, these comments need to be formatted on BPA letterhead for Bill's electronic signature. These are due March 21.

I'm attaching:

- The comments for formatting. They are the same as Bill has seen and agreed to sign.
- BPA's comments on the Willamette Valley EIS to be an attachment (This is also an example of the formatting on BPA Power Services letterhead)
- For reference only, the Federal Register Notice with same instructions for comment.

## Delivery

Per the Federal Register notice, please e-mail to [WRDA2022@usace.army.mil](mailto:WRDA2022@usace.army.mil) and include "Docket ID No. COE-2023-002" in the subject line. You might add "Bonneville Power Administration comments"

**ADDRESSES:** You may submit written comments, identified by Docket ID No. COE-2023-0002, by any of the following methods:

*Federal eRulemaking Portal:* <http://www.regulations.gov/>. Follow the online instructions for submitting comments.

*Email:* [WRDA2022@usace.army.mil](mailto:WRDA2022@usace.army.mil). Include Docket ID No. COE-2023-0002 in the subject line of the message.

I'd appreciate it if you could include me as a cc when you send it.

Thanks very much for your help, and please feel free to call, Skype or text me with any questions. Have a great weekend!

Doug

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)

(b)(6) phone and text

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Tuesday, February 28, 2023 2:52 PM  
**To:** Kintz,Jesse H (BPA) - PG-5  
**Subject:** RE: Cost allocations / deauthorization core team bi-weekly

Yes, I have to leave for the airport late morning Thursday for meeting on Friday. I have windows tomorrow that I can talk. Or early next week?

---

**From:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Sent:** Tuesday, February 28, 2023 2:27 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Subject:** RE: Cost allocations / deauthorization core team bi-weekly

Hi Doug- it looks like you may be traveling Thursday afternoon and wouldn't be able to join this meeting during this time, is that correct?

Assuming Thursday PM is out, I'll look for another time or let me know if there are days/times that work best. I'm looking for a time later this week or early next where I can catch at least you, Julee and Wayne (Sonya will be optional) to go over a few items related Willamette analysis scoping, possibly share some initial analysis that Gordon did, and prep for our next check in with the execs. If I can't find a time with the group I may try to set up some individual check ins.

-Jesse

-----Original Appointment-----

**From:** Kintz,Jesse H (BPA) - FA-2  
**Sent:** Wednesday, April 20, 2022 4:54 PM  
**To:** Smith,Glen A (BPA) - PG-5; Kintz,Jesse H (BPA) - PG-5; Welch,Julee A (BPA) - LP-7; Marker,Doug R (BPA) - AIR-7  
**Cc:** Baskerville,Sonya L (BPA) - AIN-WASH; Todd,Wayne A (BPA) - PGA-6  
**Subject:** Cost allocations / deauthorization core team bi-weekly  
**When:** Thursday, March 2, 2023 2:00 PM-3:00 PM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** TBD

The purpose of these meetings is to coordinate on work products related to cost allocations and deauthorization, and help keep the team aligned with strategy direction.

Getting on the calendar for now and we can adjust cadence/times if needed based on what works for folks.

Jesse

---

**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Tuesday, March 14, 2023 8:54 AM  
**To:** Welch,Julee A (BPA) - LP-7  
**Subject:** RE: Draft of March 2023 House Energy and Water subcommittee quarterly cost allocation update: Please review by COB 3/15

It is, indeed a beautiful day! And with the extra light after work, I may finally get to plant peas!

---

**From:** Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>  
**Sent:** Tuesday, March 14, 2023 8:36 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Subject:** RE: Draft of March 2023 House Energy and Water subcommittee quarterly cost allocation update: Please review by COB 3/15

Oooooohhhhhh! This is exciting! And the sun is shining! What a day ☺

---

**From:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>  
**Sent:** Tuesday, March 14, 2023 8:29 AM  
**To:** Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>  
**Subject:** FW: Draft of March 2023 House Energy and Water subcommittee quarterly cost allocation update: Please review by COB 3/15

And you think nothing ever happens....

;)

---

**From:** Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>  
**Sent:** Tuesday, March 14, 2023 7:49 AM  
**To:** Todd,Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>  
**Cc:** Leady Jr,William J (BPA) - PG-5 <wjleady@bpa.gov>  
**Subject:** RE: Draft of March 2023 House Energy and Water subcommittee quarterly cost allocation update: Please review by COB 3/15

Related to this, OMB kept our Willamette language in the Congressional Justification for our budget that was just posted publicly on DOE's website! See pages 106-7 of the PMA volume.

<https://www.energy.gov/cfo/articles/fy-2024-budget-justification>

So at the next technical team meeting with the Corps, there should be a discussion about the meeting with OMB and the upcoming August 1 deadline for a proposed schedule for cost reallocation.

We can chat about this on Monday or whenever the next internal meeting is on these issues!

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Mar 9, 2023 2:06 PM, "Kintz,Jesse H (BPA) - PG-5" <jhkintz@bpa.gov> wrote:  
Thanks Sonya, great point – I'll find a way to incorporate mention of the broader picture.

---

**From:** Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>

**Sent:** Thursday, March 9, 2023 1:34 PM

**To:** Todd,Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>

**Cc:** Leady Jr,William J (BPA) - PG-5 <wjleady@bpa.gov>

**Subject:** Draft of March 2023 House Energy and Water subcommittee quarterly cost allocation update: Please review by COB 3/15

Hey there. I just read the draft, and I am concerned that the cost allocation is solely focused on the Willamettes. But remember that this effort is not solely focused on those projects. They are a priority given what is occurring, but we early on prioritized several mainstem projects as well. I would not want to us to lose sight of that.

Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Mar 9, 2023 12:58 PM, "Kintz,Jesse H (BPA) - PG-5" <jhkintz@bpa.gov> wrote:

Draft of the March cost allocations update is posted on the Willamette Sharepoint site [here](#) – please review and edit/comment. Reclamation, as they are collaborating with us on the writing, is already reviewing this, and I will be sharing with the Corps next week after this team's review.

Note that this report is a bit shorter than previous ones. The Corps section focuses primarily on BPA's EIS comments including the factoid about the flood control / power benefits being out of whack, along with some general status updates. For Reclamation there isn't much to report this quarter other than we continue to work together in the early stages.

Reminder that I'll be on leave starting this afternoon through next Friday but I plan to log in once or twice over that time to check in, and keep this review process moving. Feel free to text/call my cell phone if needed.

-Jesse

**Jesse Kintz**

Power Generation – Senior Policy and Project Lead | [PG-2]

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | P 503-230-3340 | C (b)(6)



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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Tuesday, March 14, 2023 8:28 AM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** RE: Draft of March 2023 House Energy and Water subcommittee quarterly cost allocation update: Please review by COB 3/15

There's a leadership meeting with the Corps this week. I'll send this to Stacy Webster-Wharton for the material.

---

**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Tuesday, March 14, 2023 7:49 AM  
**To:** Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>  
**Cc:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>  
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BPA National Relations

(b)(6) m

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**Cc:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>  
**Subject:** Draft of March 2023 House Energy and Water subcommittee quarterly cost allocation update: Please review by COB 3/15

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Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

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-Jesse

**Jesse Kintz**

Power Generation – Senior Policy and Project Lead | [PG-2]

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | P 503-230-3340 | C (b)(6)

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Monday, March 20, 2023 8:13 AM  
**To:** Leady Jr,William J (BPA) - PG-5  
**Cc:** Arendt,Samantha A (BPA) - PG-5; Kintz,Jesse H (BPA) - PG-5  
**Subject:** RE: For approval by march 21 - Comments to Army for implementation guidance for Section 8220 of WRDA 2022

Thank you, Bill –

Sam, I'll send it in to the Army. Thank you both for your help and attention to this.

Have a great week!

Doug

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**From:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>  
**Sent:** Monday, March 20, 2023 7:17 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Cc:** Arendt,Samantha A (BPA) - PG-5 <[SAArendt@bpa.gov](mailto:SAArendt@bpa.gov)>  
**Subject:** RE: For approval by march 21 - Comments to Army for implementation guidance for Section 8220 of WRDA 2022

Doug,

ROGER on formatting. Here it is signed. ,

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Friday, March 17, 2023 4:20 PM  
**To:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>  
**Subject:** RE: For approval by march 21 - Comments to Army for implementation guidance for Section 8220 of WRDA 2022

Yes, Bill – I intended it to be the header with the docket number and reference to the specific provision of WRDA. It looks awkward, but gets our comment filed correctly.

---

**From:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>  
**Sent:** Friday, March 17, 2023 4:18 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Cc:** Arendt,Samantha A (BPA) - PG-5 <[SAArendt@bpa.gov](mailto:SAArendt@bpa.gov)>

**Subject:** RE: For approval by march 21 - Comments to Army for implementation guidance for Section 8220 of WRDA 2022

Doug

Quick question

I don't think this part (below) goes on the letter - can you confirm?

**Comments of the Bonneville Power Administration  
Implementation Guidance for Section 8220 of the Water Resources Development Act of 2022  
Disposition Study on Hydropower in the Willamette Valley, Oregon**

**Docket ID No. COE-2023-2002**

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

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**From:** Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>

**Sent:** Thursday, March 16, 2023 11:51 AM

**To:** Leady Jr, William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>

**Cc:** Kintz, Jesse H (BPA) - PG-5 <[jkintz@bpa.gov](mailto:jkintz@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Senters, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>

**Subject:** For approval by march 21 - Comments to Army for implementation guidance for Section 8220 of WRDA 2022

Bill – Comments are due next Tuesday to the Army for implementation guidance for the Willamette disposition studies section of 2022 WRDA.

I drafted proposed comments for your review and signature. These largely reiterate the points that Sonya made earlier this month in the Army's public workshops and reiterate points we made in our comments on the draft EIS. I've incorporated suggestions from Jesse.

Could you review these and let me know if you approve and will sign? I'm happy to discuss.

Best,

Doug

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)

(b)(6) phone and text

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Friday, February 24, 2023 8:17 AM  
**To:** Leady Jr,William J (BPA) - PG-5  
**Cc:** Kintz,Jesse H (BPA) - PG-5  
**Subject:** RE: Public Power Council comments on Willamette DEIS

They plan to comment for the WRDA implementation guidance as well.

---

**From:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>  
**Sent:** Friday, February 24, 2023 10:07 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Cc:** Kintz,Jesse H (BPA) - PG-5 <[jkintz@bpa.gov](mailto:jkintz@bpa.gov)>  
**Subject:** RE: Public Power Council comments on Willamette DEIS

Good letter

**Bill Leady P.E.**

Vice President, Generation Asset Management | PG  
**BONNEVILLE POWER ADMINISTRATION**  
[bpa.gov](http://bpa.gov) | Office 503-230-4270 | Cell (b)(6)

---

**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Friday, February 24, 2023 7:56 AM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jkintz@bpa.gov](mailto:jkintz@bpa.gov)>; Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Sinters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>  
**Subject:** Public Power Council comments on Willamette DEIS

The Public Power Council sent their comments on the draft EIS to the Corps. I'm attaching FYI.

Best,

Doug

Doug Marker  
Intergovernmental Affairs  
Bonneville Power Administration  
[drmarker@bpa.gov](mailto:drmarker@bpa.gov)

(b)(6)

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Friday, February 17, 2023 7:56 AM  
**To:** Ellison,Nathan B (BPA) - FAC-2  
**Subject:** RE: RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Nothing from me, Nate.

---

**From:** Ellison,Nathan B (BPA) - FAC-2 <NBellison@bpa.gov>  
**Sent:** Friday, February 17, 2023 6:56 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Seifert,Roger E (BPA) - AIN-WASH <reseifert@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Alexander,Doug (BPA) - FAC-2 <daalexander@bpa.gov>  
**Subject:** RE: RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Good Morning,

I have made the edits from Sonya and Jesse. I have also moved the “explanation of changes” section to after the “expenditure authorization” section.

Let me know if there needs to be any other changes.

Thanks,

Nate

---

**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Thursday, February 16, 2023 11:49 AM  
**To:** Seifert,Roger E (BPA) - AIN-WASH <reseifert@bpa.gov>; Ellison,Nathan B (BPA) - FAC-2 <NBellison@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Alexander,Doug (BPA) - FAC-2 <daalexander@bpa.gov>  
**Subject:** RE: RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Thanks Sonya for looping me in. I added a few suggested minor edits to clarify deadline dates between the federal interest determination and disposition study as a whole. The federal interest determination is the first phase of the disposition study and doesn't have a due date by itself (although it should be completed soon, likely by mid-2023).

Some other contextual thoughts from me on this language:

- I like that this language both ties the cost allocation effort to disposition studies but also, retains the possibility of a cost allocation update outside of the disposition study. In my view, it's important to retain this possibility for two reasons:
  - (1) Because BPA's view has continued to be that cost allocations should be updated based on principle – i.e. the equity of changing economic benefits – and not solely because of uneconomical power (although the economics are a compelling practical driver for updating allocations).
  - (2) In case BPA ends up disagreeing with the Corps on the federal interest determination that is made in the disposition study.
- I think this language is appropriate in regards to Reclamation. It's good to keep them as part of the picture (in case our collaboration efforts go wayward, we believe their updated Keys pumping plant allocation is

inequitable, or for future allocation issues we may want to address) but they don't need to be included at the joint meeting with the Corps as the Willamette issues are different than theirs.

If this language goes through, I'd be interested in discussing further with this team the potential path to a FY25 budget update for cost allocations.

-Jesse

## Jesse Kintz

Power Generation – Senior Policy and Project Lead | [PG-2]

**BONNEVILLE POWER ADMINISTRATION**

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**From:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>  
**Sent:** Thursday, February 16, 2023 10:40 AM  
**To:** Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Subject:** Fwd: RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

I agree.

Also, a technical format change is needed. The "Explanation of Changes" section has to move up just after the proposed appropriations language section.

Thanks,

Roger

(b)(6) m

----- Forwarded message -----

From: "Baskerville,Sonya L (BPA) - AIN-WASH" <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
Date: Feb 16, 2023 1:03 PM  
Subject: RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam  
To: "Ellison,Nathan B (BPA) - FAC-2" <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; "Marker,Doug R (BPA) - AIR-7" <[drmarter@bpa.gov](mailto:drmarter@bpa.gov)>; "Seifert,Roger E (BPA) - AIN-WASH" <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; "Alexander,Doug (BPA) - FAC-2" <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
Cc: "Alexander,Doug (BPA) - FAC-2" <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>; "Kintz,Jesse H (BPA) - PG-5" <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>

Hey there. I have some edits on this, because we would not include the exact words from the passback in this document. That language was for OMB action, not Congressional action. It would need to be reformatted to fit the Congressional document.

I think this edit does it, but please comment as necessary. Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

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**From:** Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>  
**Sent:** Wednesday, February 15, 2023 11:33 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Cc:** Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>; Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>  
**Subject:** RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Good Morning,

Here is a summary of changes that have been made to the FY 24 Congressional Narrative since Passback.

Please let me know if there are any other changes/edits to be made.

Thanks,

Nate

---

**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Tuesday, February 14, 2023 3:29 PM  
**To:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Cc:** Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Thanks, Roger, for heads up on the Corps hearings on implementation guidance. I just found out this afternoon. Public comment sessions tomorrow, next Wednesday and March 1. Written comments due March 21.

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**From:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>  
**Sent:** Tuesday, February 14, 2023 3:23 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Cc:** Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Would it be ok to say, ?

“enacted into federal law on December 23, 2022 as Section 8220, Disposition Study of hydropower in the Willamette, Valley, Oregon (pp. 3162-6), of Division H. of Title LXXXI, the Water Resources Development Act of 2022 (WRDA), of the James M. Inhofe National Defense Authorization Act, P.L. 117-263.”

That is long, but that narrative would set out exactly where to get the bill language for this important development.

Otherwise we could say,

“enacted into federal law on December 23, 2022 as Section 8220 on Willamette hydropower Disposition Study as a part of the National Defense Authorization Act (NADA), P.L. 117-263.”

Doug, I also noticed the Corps is holding public meetings on implementation of WRDA 2022 and the first one is tomorrow.

Roger

(b)(6) m



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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Tuesday, February 14, 2023 5:23 PM  
**To:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Cc:** Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

WRDA 2022 Willamette Disposition Study

Section 8220 of P.L. 117-263 Signed by President 12/23/2022. Final vote in Congress was Senate vote on 12/15/2022

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**From:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>  
**Sent:** Tuesday, February 14, 2023 1:32 PM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Cc:** Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Sonya and Doug and other reviewers,

I have been checking the draft BPA CJ that Nathan Ellison provided to us to review on Friday 2/10/2023.

Please look at the e-mail you received at 6:04 pm et (Sonya) on Friday 2/10/2023. Please look at pages 9 and 10 of the clean version of the FY 2024 BPA CJ document for the inclusion of the yellow language relating to the “deliverable dates”. You can see the track change additions to the draft on page 17 of the corrections version of the draft.

I think we have included in our FY 2024 BPA CJ draft these particulars changes you want.

Doug Marker,

We still have to find the PL number, date of enactment and Section Number for the Willamett section of the Water Authorization law of 2022. Maybe you have it. I’m going to look for it to put in our FY 2022 BPA CJ.

Thanks,

Roger

(b)(6) m

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Tuesday, February 14, 2023 10:56 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

Agree.

Sonya Baskerville  
BPA National Relations

(b)(6) m

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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Thursday, February 9, 2023 7:50 PM  
**To:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBEllison@bpa.gov](mailto:NBEllison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** RE: FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam

All – Can we put back in the proposed deliverable dates? I highlighted below

---

**From:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>  
**Sent:** Thursday, February 9, 2023 4:38 PM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBEllison@bpa.gov](mailto:NBEllison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** FY 2024 BPA Congressional Budget narrative language for Cost Allocation and Willamette Dam  
**Importance:** High

Doug M., Sonya, Nate, and Doug A.,

Following the OMB passback of our BPA appeal, I think we have to slightly modify the language on about page 13 of our current draft of our FY 2024 BPA draft Congressional Budget submission, in the “**FCRPS Cost Allocations**” section to add the word “report” on the first line of the narrative to say,

The FY 2021 Energy and Water Development Appropriations Act included report language requesting that Bonneville, the Corps, and Reclamation provide quarterly reports on their work to resolve policy differences for the allocation of costs for multi[-purpose projects of the FCRPS. This followed language in the House Committee on Appropriations report in the FY 2020 Energy and Water Development Appropriations Act, noting that the allocation of cost sharing among the authorized project purposes can be decades old and requesting that the three agencies return an outline of how cost allocations may be updated. The three agencies provided the subcommittee with an outline of cost allocation methods and authorities in June 2020, noting specific policy differences. Bonneville is continuing to provide the subcommittee with Quarterly reports of its progress.

[The word “report” is also used in this regard in our FY 2024 Budget on page 2.]

Then we need to use some of the narrative language in the e-mail chain below to say,

BPA appreciates the OMB passback (or guidance) indicating that 'Bonneville should work with the Corps of Engineers to determine if changes in cost allocation may be warranted and present a joint proposal to OMB for consideration for the FY 2025 Budget if both agencies agree changes may be warranted.'

BPA agrees that a joint proposal to OMB would support the effort to determine whether or not project costs are being appropriately allocated to power, thus ensuring carbon free and reliable FCPRS hydropower costs are not inflated by non-joint, non-power costs. The joint effort also would support the federal interest determination required as part of directed disposition studies by June 2024 of hydropower at the Willamette dams, authorized by the enacted WRDA 2022 (Section of P.L. of 2022. Thus, the timing for this joint effort is critical to assuring de-carbonization goals and certain fish mitigation activities.

BPA appreciates OMB scheduling a joint meeting of OMB, the Corps and BPA to discuss cost allocation and potential development of a joint proposal. BPA asks that OMB expressly clarify the passback request and seek from BPA and the Corps a joint report to OMB by August 1 indicating whether or not reallocation is warranted. And if the report notes reallocation is warranted, BPA asks that OMB seek from BPA and the Corps a joint proposal for commencing the reallocation process by September 15 for the FY 2025 Budget.

I added the word “directed” before the words “disposition studies” and added the word “enacted” and thought we should add the WRDA law Section, P.L. and date of enactment.

That is my suggestion as to what we should include in our FY 2024 BPA Congressional Budget Submission for cost allocation and the Willamette dams.

Sonya and Doug M., please let us know if this is going in the right direction. We will need to “post” our FY 2024 Congressional Budget narrative in the near future. I think this is the main item that we have to agree on before we can post our narrative.

Sincerely,

Roger

(b)(6) m

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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Sent:** Wednesday, February 8, 2023 5:30 PM  
**To:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>  
**Subject:** RE: Passback language -

Let me know if I can help

---

**From:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>  
**Sent:** Wednesday, February 8, 2023 2:20 PM  
**To:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Cc:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Ellison,Nathan B (BPA) - FAC-2 <[NBellison@bpa.gov](mailto:NBellison@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>  
**Subject:** Passback language -

Doug,

The "BPA appreciates" paragraph works.

We might have to say "Bonneville believes" on the last sentence of the next paragraph. OMB might not clear that sentence as a fact from their standpoint.

Then we would appreciate or look forward to the joint OMB, BPA, Corps meeting....

We have to figure out where to put the narrative in the document now that the bill language will be out.

Roger

On Feb 8, 2023 4:36 PM, "Marker,Doug R (BPA) - AIR-7" <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)> wrote:  
Roger are you thinking of something different from this below?

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Sunday, January 22, 2023 3:20 PM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>; Manary,David (BPA) - LG-7 <[dbmanary@bpa.gov](mailto:dbmanary@bpa.gov)>

**Subject:** RE: CLOSE HOLD: FY 2024 Passback - Comments Due Monday, January 23, 12:00 pm - Receiving Office  
[Attachment Contains CUI]

Great!

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**From:** Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>

**Sent:** Sunday, January 22, 2023 1:48 PM

**To:** Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Seifert, Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>;  
Alexander, Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>; Manary, David (BPA) - LG-7 <[dbmanary@bpa.gov](mailto:dbmanary@bpa.gov)>

**Subject:** RE: CLOSE HOLD: FY 2024 Passback - Comments Due Monday, January 23, 12:00 pm - Receiving Office  
[Attachment Contains CUI]

**Importance:** High

Maybe that could put pressure on the Corps to get that determination done. Also, we could add something like. Does this work?

"BPA appreciates the OMB passback indicating that 'Bonneville should work with the Corps of Engineers to determine if changes in cost allocation may be warranted and present a joint proposal to OMB for consideration for the FY 2025 Budget if both agencies agree changes may be warranted.'

BPA agrees that a joint proposal to OMB would support the effort to determine whether or not project costs are being appropriately allocated to power, thus ensuring carbon free and reliable FCPRS hydropower costs are not inflated by non-joint, non-power costs. The joint effort also would support the federal interest determination required as part of disposition studies of hydropower at the Willamette dams, authorized by WRDA 2022. Thus, the timing for this joint effort is critical to assuring decarbonization goals and certain fish mitigation activities.

Given these needs, BPA asks that OMB expressly clarify the passback request and seek from BPA and the Corps a joint report to OMB by August 1 indicating whether or not reallocation is warranted. And if the report notes reallocation is warranted, BPA asks that OMB seek from BPA and the Corps a joint proposal for commencing the reallocation process by September 15 for the FY 2025 Budget. BPA asks that this modified request is passed back to both BPA and the Corps."

Sonya Baskerville  
BPA National Relations

(b)(6) m

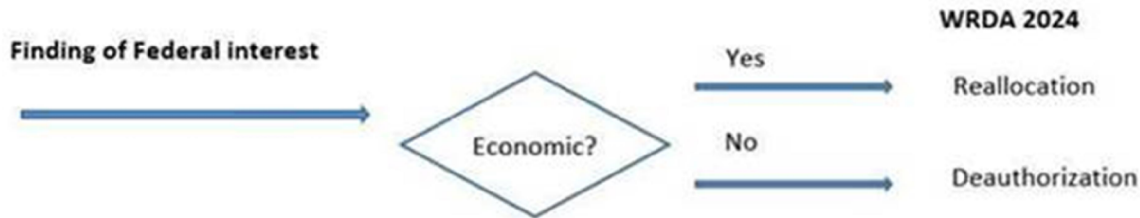
On Jan 22, 2023 2:30 PM, "Marker, Doug R (BPA) - AIR-7" <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)> wrote:  
Sorry to be coming in late on this.

No request for change in the proposed response due tomorrow.

What I did want to include in further internal discussions is how this could work with WRDA 2022 language.

This response is focused (as we requested) on initiating reallocation. Since the budget request, Congress passed direction for disposition studies of hydropower at the Willamette dams by June 2024 (18 months from enactment of WRDA 2024)

We want the initial finding in the disposition studies to be a determination of federal interest in hydropower as a project purpose – that hydro generation from the dams either will or will not be economic.



So we want that finding of federal interest to occur before the report requested in the passback. That finding will identify which, if any, of the dams we want to continue generating commercial power. For those, we will want to initiate reallocation.

For the dams that we determine cannot provide economic power, we want the disposition studies to complete for deauthorizing the power purpose.

Under this proposed response, we will need to complete our internal determination of the federal interest in power well before September of this year.

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**From:** Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>  
**Sent:** Sunday, January 22, 2023 11:07 AM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>; Manary,David (BPA) - LG-7 <[dbmanary@bpa.gov](mailto:dbmanary@bpa.gov)>  
**Subject:** RE: CLOSE HOLD: FY 2024 Passback - Comments Due Monday, January 23, 12:00 pm - Receiving Office [Attachment Contains CUI]

Very Good!

Roger

On Jan 22, 2023 1:50 PM, "Baskerville,Sonya L (BPA) - AIN-WASH" <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)> wrote:  
 Yep, we probably have to use the form. I will title the narrative as "Request for clarification." I can pop it in the form and send to Melissa and Jeremiah. Thanks.

Sonya Baskerville  
 BPA National Relations

(b)(6) m

On Jan 22, 2023 2:57 AM, "Seifert,Roger E (BPA) - AIN-WASH" <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)> wrote:  
 Maybe we could call it a "request for clarification" or "clarification" or "clarification request".

Might have to fill out the OMB passback language in the no money appeal form, and call it a clarification and then put in our request for clarification narrative.

Otherwise, you could see if DOE would take forward an e-mail. They might prefer the appeal format. And we don't want the request to get lost in the process.

Roger

(b)(6) m

On Jan 22, 2023 12:04 AM, "Baskerville,Sonya L (BPA) - AIN-WASH" <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)> wrote:  
Would be good if they had another way to go back without calling it "an appeal." It's more like we agree and want to improve it because the Corps is not going to work with us otherwise.

In other parts of the passback, they direct DOE to provide quite a few reports. And they opened the door to it with their own language. The Corps is just not going to work with us without a directive. In other parts, OMB says, "OMB seeks the Department . . . ." So we could use that instead of "direct."

I did some additional modifications as well.

New draft:

"BPA appreciates the OMB passback indicating that 'Bonneville should work with the Corps of Engineers to determine if changes in cost allocation may be warranted and present a joint proposal to OMB for consideration for the FY 2025 Budget if both agencies agree changes may be warranted.'

BPA agrees that a joint proposal to OMB would support the effort to determine whether or not project costs are being appropriately allocated to power, thus ensuring carbon free and reliable FCPRS hydropower costs are not inflated by non-joint, non-power costs. The timing for this determination is critical to assuring that decarbonization goals can be met cost effectively. Given that, BPA asks that OMB seek from BPA and the Corps a joint report to OMB by August 1 indicating whether or not reallocation is warranted. And if the report notes reallocation is warranted, BPA asks that OMB seek from BPA and the Corps a joint proposal for commencing the reallocation process by September 15 for the FY 2025 Budget. BPA asks that this modified request is passed back to both BPA and the Corps."

Sonya Baskerville

BPA National Relations

(b)(6) m

On Jan 21, 2023 9:30 PM, "Seifert,Roger E (BPA) - AIN-WASH" <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)> wrote:  
Wonder if OMB put our passback in the Corps' passback. Seems like they should at least do that and say the Corps should work with BPA.

I can't imagine OMB would direct preparation of a joint report, but it is probably worth a policy appeal.

Think less likely to get implementation direction indication now, but maybe OMB would direct a joint study. The clean hydro reason is a good consideration for the Administration although both the OMB positions on fish credits and cost allocation seem to be trying to avoid potential revenue loss to the Treasury.

Would be written as a no-money policy appeal.

Roger

(b)(6) m

On Jan 21, 2023 8:04 PM, "Baskerville,Sonya L (BPA) - AIN-WASH" <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)> wrote:  
Thanks for getting on today! Here is what I was thinking we could do as a sort of "appeal," to strengthen OMB's own idea. Something like:

"BPA appreciates the OMB passback indicating that 'Bonneville should work with the Corps of Engineers to determine if changes in cost allocation may be warranted and present a joint proposal to OMB for consideration for the FY 2025 Budget if both agencies agree changes may be warranted.'

BPA agrees that a joint proposal to OMB would support the effort to determine whether or not project costs are being appropriately allocated to power, thus ensuring carbon free and reliable FCPRS hydropower costs are not inflated by non-joint, non-power costs. Given that, through response to this passback appeal and to OMB response to the Corps, BPA asks that OMB direct BPA and the Corps to provide a joint report to OMB by August 1 indicating whether or not reallocation is warranted, and if so warranted, a joint proposal for commencing the reallocation process by September 15 for the FY 2025 Budget."

What do you think?

Thanks.

Sonya Baskerville  
BPA National Relations

(b)(6) m

On Jan 21, 2023 12:38 AM, "Alexander,Doug (BPA) - FAC-2" <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)> wrote:  
[That works for me.](#)

Thanks,  
Doug

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**From:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Sent:** Friday, January 20, 2023 8:48 PM  
**To:** Alexander,Doug (BPA) - FAC-2 <[daalexander@bpa.gov](mailto:daalexander@bpa.gov)>; Seifert,Roger E (BPA) - AIN-WASH <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>; Manary,David (BPA) - LG-7 <[dbmanary@bpa.gov](mailto:dbmanary@bpa.gov)>  
**Cc:** Hannigan IV,Benjamin R (BPA) - A-7 <[brhannigan@bpa.gov](mailto:brhannigan@bpa.gov)>; Hairston,John L (BPA) - A-7 <[jlhairston@bpa.gov](mailto:jlhairston@bpa.gov)>  
**Subject:** Fwd: CLOSE HOLD: FY 2024 Passback - Comments Due Monday, January 23, 12:00 pm - Receiving Office [Attachment Contains CUI]  
**Importance:** High

Hey there. John, you don't need to be in on this. We won't be appealing anything. I will just touch base with you next week on this.

For the others, can we all huddle together at 5:00p eastern/2:00p pacific for a quick chat? I think we are unscathed, but let's just make sure after we all have a chance to review.

We can use my bridge: (b)(6)

If 5:00p eastern tomorrow doesn't eastern work, let me know when would be good. Saturday after 5:00p eastern and Sunday after about 3:30p eastern work for me.

Thanks!

Sonya Baskerville  
BPA National Relations

(b)(6) m

----- Forwarded message -----

From: "Shapiro, Adam" <[adam.shapiro@hq.doe.gov](mailto:adam.shapiro@hq.doe.gov)>

Date: Jan 20, 2023 10:29 PM

Subject: CLOSE HOLD: FY 2024 Passback - Comments Due Monday, January 23, 12:00 pm - Receiving Office [Attachment Contains CUI]

To: "Hairston, John L (BPA) - A-7" <[jlhairston@bpa.gov](mailto:jlhairston@bpa.gov)>

Cc: "Seifert, Roger E (BPA) - AIN-WASH" <[reseifert@bpa.gov](mailto:reseifert@bpa.gov)>, "Baskerville, Sonya L (BPA) - AIN-WASH" <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>, "Lucas, Darlene" <[darlene.lucas@hq.doe.gov](mailto:darlene.lucas@hq.doe.gov)>, "Harris-Cameron, Maya" <[Maya.Harris-Cameron@hq.doe.gov](mailto:Maya.Harris-Cameron@hq.doe.gov)>, "Donley, Katherine" <[katherine.donley@hq.doe.gov](mailto:katherine.donley@hq.doe.gov)>, "Pashaei, Fatima" <[fatima.pashaei@hq.doe.gov](mailto:fatima.pashaei@hq.doe.gov)>

**CUI//SP-BUDG [When separated from attachment, email does not contain CUI]**

Good Evening,

Attached is OMB's "Passback" to the Department regarding development of the FY 2024 President's budget. Distribution is being limited to a very small, senior group. Please keep any further distribution of this material to a limited group (e.g., your budget lead and Chief of Staff).

Office heads who are part of an Under Secretariat should provide any appeals to your Under Secretary, CF's Budget Director Katie Donley, Fatima Pashaei (CF-31), and your budget analyst (cc'd) concurrently. Direct Report offices should provide appeals directly to CF's Budget Director Katie Donley and Fatima Pashaei. Appeals are due no later than **Monday, January 23 at 12:00 p.m. with no exceptions, utilizing the attached prescribed format.**

Please note, there should be no discussions with OMB at this time. If you have any questions for OMB, they should be provided to the CF Budget Office.

Thanks,

Adam Shapiro  
Congressional Liaison  
CF-34, Office of Budget, External Coordination  
Department of Energy  
[Adam.Shapiro@hq.doe.gov](mailto:Adam.Shapiro@hq.doe.gov)  
(240) 267-9346



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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Thursday, March 30, 2023 3:03 PM  
**To:** Dondy-Kaplan,Hannah A (BPA) - AIR-7; Baskerville,Sonya L (BPA) - AIN-WASH  
**Subject:** RE: Recap of Meeting with Chavez-DeRemer's staff today

It was a good discussion and they were very engaged. Colin is doing Willamette tour with Corps this spring. (b)(5)

(b)(5)

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**From:** Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Sent:** Thursday, March 30, 2023 2:55 PM  
**To:** Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>  
**Subject:** Recap of Meeting with Chavez-DeRemer's staff today

Hi Sonya

(b)(5)

What am I missing Doug?

Hannah

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Thursday, March 2, 2023 11:10 AM  
**To:** Kintz,Jesse H (BPA) - PG-5; Ashby,Gordon S (BPA) - PGA-6; Leady Jr,William J (BPA) - PG-5; Baskerville,Sonya L (BPA) - AIN-WASH; Todd,Wayne A (BPA) - PGA-6; Smith,Glen A (BPA) - PG-5; Welch,Julee A (BPA) - LP-7; Senters,Anne E (BPA) - LN-7; Nagra,Angad S (BPA) - LN-7; Spear,Daniel J (BPA) - PGB-5; Maslow,Jeffrey J (BPA) - EC-4; Mai,Amy E (BPA) - EC-4; Wingert,Kevin M (BPA) - DKP-7  
**Cc:** Welch,Julee A (BPA) - LP-7  
**Subject:** RE: Summary and notes from 2/27/23 meeting with Corps on Willamette disposition study and cost allocation

Thank you! Your expansion is helpful.

---

**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Thursday, March 2, 2023 10:26 AM  
**To:** Ashby,Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>; Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Leady Jr,William J (BPA) - PG-5 <wjleady@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Todd,Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Senters,Anne E (BPA) - LN-7 <aesenters@bpa.gov>; Nagra,Angad S (BPA) - LN-7 <ASNagra@bpa.gov>; Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>; Maslow,Jeffrey J (BPA) - EC-4 <jjmaslow@bpa.gov>; Mai,Amy E (BPA) - EC-4 <aemai@bpa.gov>; Wingert,Kevin M (BPA) - DKP-7 <kwingert@bpa.gov>  
**Cc:** Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>  
**Subject:** RE: Summary and notes from 2/27/23 meeting with Corps on Willamette disposition study and cost allocation

Doug, I added some responses to your questions below in green. Let me know if you want to discuss further.

-Jesse

---

**From:** Ashby,Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>  
**Sent:** Wednesday, March 1, 2023 11:41 AM  
**To:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Leady Jr,William J (BPA) - PG-5 <wjleady@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Todd,Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>; Senters,Anne E (BPA) - LN-7 <aesenters@bpa.gov>; Nagra,Angad S (BPA) - LN-7 <ASNagra@bpa.gov>; Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>; Maslow,Jeffrey J (BPA) - EC-4 <jjmaslow@bpa.gov>; Mai,Amy E (BPA) - EC-4 <aemai@bpa.gov>; Wingert,Kevin M (BPA) - DKP-7 <kwingert@bpa.gov>  
**Cc:** Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>  
**Subject:** RE: Summary and notes from 2/27/23 meeting with Corps on Willamette disposition study and cost allocation

Doug –

Regarding modeling from HAC, we discussed the different levels of modeling that we could put together to answer the hydropower value question. We could use the same HYDSIM based analysis that was used in the EIS or actually go more in-depth with HAC's unit deployment models. I work very closely with HAC's team on those models for our major capital investments and would have no concern from a technical perspective if that is the route we go. Their unit deployment models are quite sophisticated and do a really good job capturing the generation impacts of different scenarios. If we went that route, I am certain it would be a collaborative analysis with PGA. The main concern I would have would be if we have the data needed to run those models and the time required to develop them. We talked about doing a test case

between the quicker HYDSIM analysis and the more in-depth HAC model for Green Peter to see if the results are much different.

Gordon

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**From:** Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>

**Sent:** Wednesday, March 1, 2023 10:02 AM

**To:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>; Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>

**Cc:** Ashby,Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>

**Subject:** RE: Summary and notes from 2/27/23 meeting with Corps on Willamette disposition study and cost allocation

Thanks for these notes, Jesse. To a couple of points I highlighted below, I have questions:

You report NWD requested implementation guidance from the Army. Do you know what specific guidance they asked for? Scope, timing? Their description says “there’s room for interpretation”. It would be good to know what ambiguity they see as we prepare comments to the Army. No they didn’t speak to what specifically they asked for guidance on. We could potentially ask more about this during an upcoming check in. I do know that when we discussed the WRDA language last month we talked about areas with flexibility of interpretation being “in whole or in part” (BPA suggested interpreting this as carving out commercial power), the phrase “for hydropower”, and the pause on reimbursement language.

I note their suggestion that they may only be able to achieve a “partial” response in 18 months. Recalling that they have previously suggested a disposition study might include all project purposes, this could be a good sign if a “partial” response means limited to hydropower. Did they give any more indication of what “partial” means? Yes – they mentioned partial in the context of focusing on addressing the power issue, and then if direction is to dispose of a purpose, they would have to do some dam safety and environmental compliance work after.

What modeling are they considering seeking from HAC? Modeling of hydropower value (which should be our analysis) or are they thinking of physical modeling of the effect of removing power generation from the dam? This question is important for shaping our comments to the Army for implementation guidance. Gordon covers it well above. I do think BPA will likely want to push for the more conceptual approach vs the detailed modeling one - as long as we feel it’s well informed - in the interest of timeliness. But more discussion to come.

Thanks for any more insight you might be able to add.

Doug

---

**From:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>

**Sent:** Wednesday, March 1, 2023 8:46 AM

**To:** Leady Jr,William J (BPA) - PG-5 <[wjleady@bpa.gov](mailto:wjleady@bpa.gov)>; Marker,Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville,Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Todd,Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Smith,Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch,Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Senters,Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra,Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Spear,Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow,Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai,Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Wingert,Kevin M (BPA) - DKP-7 <[kwingert@bpa.gov](mailto:kwingert@bpa.gov)>

**Cc:** Ashby, Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>

**Subject:** Summary and notes from 2/27/23 meeting with Corps on Willamette disposition study and cost allocation

Passing it on- Summary notes from our monthly Willamette working meeting with the Corps below.

Overall, they didn't have much disposition study progress to share. On the bright side, they gave a nod to being open towards BPA providing economic analysis work and we began discussing some possibilities for that. Also, the Corps is seeming to acknowledge that they need to focus on the power piece for the 18 months deadline, which also sounds promising.

-Jesse

1. The Corps had ~6 attendees including NWD/NWP, BPA had 4 (myself, Julee, Gordon and Wayne for part).
2. Overall disposition study status (Corps) – Not much to update from last month. Still pulling things together, including Project Development Team (PDT) structure. No update on whether BPA will be on PDT. Tracking towards large scoping/schedule meeting soon – group for several hours - aiming for April, to get vertical alignment. Also waiting on Army implementation guidance (NWD has requested this guidance and they assume it's on the Army's list given that there is room for interpretation on how to implement the WRDA language). BPA asked about process and whether guidance was required, Corps clarified that they need/want guidance on this from DC whether officially from the Army or not.
3. Corps discussed that the 18 months deadline will have be a "partial" response to address the power issue with focus on federal interest
  - a. Corps: Can't do everything in this short time especially if the recommendation is pointing to disposal of a purpose which would require deeper looks at dam safety, env. compliance, etc.)
4. They're tracking BPA's offer of economic analysis – see promise in it
5. Discussed what economic analysis might look like
  - a. BPA suggested conceptual analysis building on NPV in EIS
  - b. Corps HAC was thinking of detailed modeling approach
6. Next meeting plan to:
  - a. Discuss differences between Corps and BPA views of federal interest
  - b. BPA to share update on its own economic analysis to help inform choice between conceptual economic analysis vs detailed models or some combo
7. BPA reiterated that it's important to BPA to get the disposition study (and clarified path forward for power) done in 18 months, offered to help any way we can to support them to achieve that.
8. BPA shared more cost allocation background including GAO report which had concerns about SCRIB

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**From:** Kintz, Jesse H (BPA) - PG-5

**Sent:** Tuesday, January 24, 2023 12:45 PM

**To:** Ledy Jr, William J (BPA) - PG-5 <[wjledy@bpa.gov](mailto:wjledy@bpa.gov)>; Marker, Doug R (BPA) - AIR-7 <[drmarker@bpa.gov](mailto:drmarker@bpa.gov)>; Baskerville, Sonya L (BPA) - AIN-WASH <[slbaskerville@bpa.gov](mailto:slbaskerville@bpa.gov)>; Todd, Wayne A (BPA) - PGA-6 <[watodd@bpa.gov](mailto:watodd@bpa.gov)>; Smith, Glen A (BPA) - PG-5 <[gasmith@bpa.gov](mailto:gasmith@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>; Senters, Anne E (BPA) - LN-7 <[aesenters@bpa.gov](mailto:aesenters@bpa.gov)>; Nagra, Angad S (BPA) - LN-7 <[ASNagra@bpa.gov](mailto:ASNagra@bpa.gov)>; Spear, Daniel J (BPA) - PGB-5 <[djspear@bpa.gov](mailto:djspear@bpa.gov)>; Maslow, Jeffrey J (BPA) - EC-4 <[jjmaslow@bpa.gov](mailto:jjmaslow@bpa.gov)>; Mai, Amy E (BPA) - EC-4 <[aemai@bpa.gov](mailto:aemai@bpa.gov)>; Conning III, Edward Thomas (BPA) - DKP-7 <[ETConning@bpa.gov](mailto:ETConning@bpa.gov)>

**Cc:** Ashby, Gordon S (BPA) - PGA-6 <[gsashby@bpa.gov](mailto:gsashby@bpa.gov)>; Welch, Julee A (BPA) - LP-7 <[jawelch@bpa.gov](mailto:jawelch@bpa.gov)>

**Subject:** Summary and notes from 1/23/23 meeting with Corps on Willamette disposition study and cost allocation

All,

Below are the notes from our meeting with the Corps yesterday. In summary, the Corps is getting going on disposition studies but still has a lot of questions about scope and expects to sort through them, with BPA input, over next 3 months or so. The Corps is not yet sure what their view is on BPA's role. The Corps also has been looking into cost allocation methodologies and had some questions for BPA that are being followed up on (interesting to see that there's been some movement here for first time in awhile). BPA shared that we'll be working on our economic analysis and will share it with the Corps.

Julee/Gordon, please add or highlight anything I may have missed.

-Jesse

### **Corps-BPA Willamette Monthly – 1/23/23**

#### **1. WRDA 2022 Congressional direction language – INFORM/DISCUSS (Corps/BPA)**

*Highlighted the phrase “in whole or in part” – Corps sees this as some projects not all. Highlighted that commercial power could also fit here.*

*Highlighted the phrase “for hydropower” – Corps agreed that “by and large” the intention for the study and the focus is consideration of deauthorizing hydropower only (but can't 100% guarantee anything)*

*Highlighted cost provision “new construction... not reimbursable” and agreed more discussion is needed between BPA/Corps to clarify*

#### **2. Disposition studies status – INFORM (Corps)**

*Getting team going – have had a few initial meetings with NWP*

*Corps will seek public comment for 60 days (BPA can comment) to inform implementation guidance and “ensure a national perspective”*

*18mo timeframe, limited funding means study may be more conceptual with follow on pieces needed (including NEPA, possibly dam safety modeling)*

*No exact dates but in first ~4 months / by Spring/April – nail down scoping. Joint agency meetings, open to ideas to contribute. Answer is it a viable effort? Line up vertical team and range of alternatives. Include how to go about determining federal interest*

*Federal interest very different than typical disposition study (i.e. obvious that locks not useful anymore but this is different)*

#### **3. Disposition studies: scoping and BPA's role – DISCUSS (Corps + BPA)**

*Jesse shared BPA's view that it should have significant role in disposition study as the power marketing expert – BPA is more than a NFMS-type stakeholder as this question directly relates to power marketing and hydropower economics. Corps said they hear our desire for that role but they aren't yet sure what their viewpoint is until they get more into scoping.*

*BPA suggested limiting scope to commercial power (to keep scope manageable and avoid TDG and station service issues). Corps said they are tracking and have brought it up in Corps internal discussions*

*BPA shared that it is doing its own economic analysis and will share it with Corps. Analysis will include scenarios. Discussed consideration of price changes, carbon free value, etc.*

*Corps confirmed they are putting together a PDT. Still forming. BPA asked if BPA is stakeholder in that process. Corps not sure yet. BPA asked if Corps would know by our next monthly meeting. Corps not sure yet.*

*We discussed our common high level goal of “doing what makes most sense” for power long-term, to include consideration of the funding stakeholders (taxpayers/ratepayers) and the public*

4. *Cost allocations touch base – topics could include basis for potential updates, status, and path forward considerations (methods, third party, etc.) – INFORM/DISCUSS (Corps/BPA)*

*Thomas Topi, Corps has reviewed BPA's 3 options for methodology recommendations*

*BPA not recommending use of a single purpose facility*

*Sees differences in specific costs or direct costs*

*Thomas to send email - BPA will follow up*

*BPA shared the \$1 billion flood benefits, \$26m power revenues, and 40% power joint cost figures as context for why cost allocation is justified*

5. *Next steps / wrap up*

*BPA to work on our Willamette economic analysis*

*Corps to send cost allocation Qs to BPA, BPA to follow up*

*Reschedule Feb meeting back a week due to Prez. Day and include additional Corps invitees*

## **Jesse Kintz**

Power Generation – Senior Policy and Project Lead | [PG-2]

**BONNEVILLE POWER ADMINISTRATION**

[bpa.gov](http://bpa.gov) | P 503-230-3340 | C (b)(6)

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**From:** Marker,Doug R (BPA) - AIR-7  
**Sent:** Thursday, April 13, 2023 10:44 AM  
**To:** Kintz,Jesse H (BPA) - PG-5; Ashby,Gordon S (BPA) - PGA-6; Smith,Glen A (BPA) - PG-5; Spear,Daniel J (BPA) - PGB-5  
**Cc:** Baskerville,Sonya L (BPA) - AIN-WASH; Welch,Julee A (BPA) - LP-7  
**Subject:** RE: Willamette NPV scenario analysis part 3

Thanks very much for framing these questions, Gordon. I responded in red on top of Jesse. It would be very helpful to see NMFS and FWS per Hills Creek.

I have read environmental advocates combined comments, including their expert opinions. They are strong on year-round deep drawdowns at Hills Creek (and other storage projects except Detroit). If FWS and NOAA join this in their comments, I'd guess the Corps will adopt in the final EIS.

---

**From:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>  
**Sent:** Thursday, April 13, 2023 10:15 AM  
**To:** Ashby,Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>  
**Subject:** RE: Willamette NPV scenario analysis part 3

Appreciate you being so thoughtful about these assumptions, Gordon. I took a stab in green below but several of the questions are likely more in Dan's wheelhouse so he'll have to weigh in too.

-Jesse

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**From:** Ashby,Gordon S (BPA) - PGA-6 <gsashby@bpa.gov>  
**Sent:** Wednesday, April 12, 2023 11:42 AM  
**To:** Kintz,Jesse H (BPA) - PG-5 <jhkintz@bpa.gov>; Smith,Glen A (BPA) - PG-5 <gasmith@bpa.gov>; Spear,Daniel J (BPA) - PGB-5 <djspear@bpa.gov>  
**Cc:** Marker,Doug R (BPA) - AIR-7 <drmarker@bpa.gov>; Baskerville,Sonya L (BPA) - AIN-WASH <slbaskerville@bpa.gov>; Welch,Julee A (BPA) - LP-7 <jawelch@bpa.gov>  
**Subject:** RE: Willamette NPV scenario analysis part 3

Hi Team,

A few questions as I'm putting together the new scenarios we discussed last week.

- 1) When should we assume the hypothetical Hills Creek structures are in place? The schedule has a "check-in" for Cougar (I think you mean Hills Creek?) in 2047. Is that a decent assumption for now? **Yes – seems that's likely the earliest the Corps would get to this given their other higher priority construction projects. Agree. It's a guess.**
- 2) Dan suggested using the Cougar FSS and the Green Peter AFF as proxies for the structures at Hills Creek. Alternative 4 in the EIS includes estimates for Hills Creek for both of these facilities. Should we just use those for this scenario? **Yes If cost for Hill Creek is different than for Cougar, I'd take the higher.** It also includes a temperature control tower for Hills Creek. Should that also be included? **Defer this to Dan. This is tough. Environmental advocates are calling for deep drawdown of Hills Creek. We haven't seen NMFS and FWS**

comments, but I think it's prudent to assume Corps will adopt deep drawdowns for Hills Creek. To resume power operations, likely that Hills Creek will need both juvenile passage and temperature control. But if the deep drawdowns continue, temperature control wouldn't make sense, and FSS would likely be replaced by volitional passage design. So I think assuming deep drawdowns at Hills Creek in to the 2040s at least is prudent. Dan may have a better idea of how to sort out these assumptions.

- 3) For near-term operations, Hills Creek was largely unaffected relative to the no action alternative (actually had slightly higher average generation). Do we want to assume that operations would change proportionally to something like Cougar near term operations which reduced from 15.6 aMW to 11.5 aMW? Seems to depend on whether there are realistic ops measures that could be advocated for and added at Hills Creek before structures are built – not sure there are any if the injunction didn't mandate them but Dan probably knows. Then, once the structural measures are in place, would we use the operations in the PA for Hills Creek or something else? If there are ops in Alt 4 maybe use those? If not hopefully Dan has some intel but it seems like mirroring the impacts post-construction at other projects with FSS/AFF could be a decent estimate. Per my comment above, I think it would be prudent to assume deep drawdowns at Hills Creek. Unless FWS and NOAA do not include Hills Creek options in their comments.
- 4) Wanted to confirm one assumption on Cougar. Near term operations is about 11.5 aMW and PA operations is about 2 aMW. I currently have the operations switching once the diversion tunnel is complete in 2041. Is that correct or would that effectively no-generation operation happen sooner. I think so but Dan could confirm. And even 2aMW seems high but probably should keep it since it ties to the official scenarios. I don't see how any generation would remain, but would also defer to Dan.

Sorry for all the questions, just want to make sure creating these scenarios as accurately as I can.

Gordon

-----Original Appointment-----

**From:** Kintz,Jesse H (BPA) - PG-5 <[jhkintz@bpa.gov](mailto:jhkintz@bpa.gov)>

**Sent:** Friday, April 7, 2023 2:52 PM

**To:** Kintz,Jesse H (BPA) - PG-5; Kintz,Jesse H (BPA) - PG-5; Ashby,Gordon S (BPA) - PGA-6; Smith,Glen A (BPA) - PG-5; Spear,Daniel J (BPA) - PGB-5

**Cc:** Marker,Doug R (BPA) - AIR-7; Baskerville,Sonya L (BPA) - AIN-WASH; Welch,Julee A (BPA) - LP-7

**Subject:** Willamette NPV scenario analysis part 3

**When:** Friday, April 14, 2023 2:00 PM-3:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Skype/conf call (x4000,(b)(6))

Objectives:

INFORM: Results of updated analysis

DECIDE: Is this is the right set of analysis and scenarios or are any additional changes needed?

AGENDA:

Willamette project plan status (Kintz)

Walkthrough updated NPV scenario analysis (Ashby)

Schedule, next steps

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