

From: David Hodder

Sent: Tue Sep 28 15:27:23 2021

To: Keyannie,Kendrick (BPA) - TFSD-BELL; tBehrend@ponderaynewsprint.com

Cc: Fedchun,Pavel (BPA) - TFSB-USFS NEWPORT; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Willburn,Ned R (BPA) - TFSE-BELL; Miller,Marcus D R (BPA) - TFSE-BELL; Gilmour,Candice L (BPA) - TFSD-BELL

Bcc: pfedchun@bpa.gov; jmlacambra@bpa.gov; nrwillburn@bpa.gov; cladsero@bpa.gov; mdmiller@bpa.gov

Subject: [EXTERNAL] RE: Usk - Ponderay New Print

Importance: Normal

Attachments: 24250001_R20 - PNC - Electrical Power One Line Diagram-Model.pdf

Kendrick,

Here is the Electrical One Line for Ponderay Industries at the old PNC site at USK.

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

From: Keyannie, Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>

Sent: Tuesday, September 28, 2021 1:59 PM

To: David Hodder <DHodder@popud.org>; tBehrend@ponderaynewsprint.com

Cc: Fedchun, Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Willburn, Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>; Miller, Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Gilmour, Candice L (BPA) - TFSD-BELL <cladsero@bpa.gov>

Subject: Usk - Ponderay New Print

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All,

Thank you for meeting me this morning to discuss trip checks. This is a follow up email to our meeting.

-David Hodder will send email with schematic.

-POPUD gave BPA prints.

-Located PNC's LOR.

-10/5th 9am Todd from PNC will prep for line outage/trip checks.

-Step Plan

- BPA work on PT's and landing wiring.
- Trip check with POPUD first.
- Trip check with PNC second.
- Energize PNC from BPA.
- BPA to perform in-service checks on Bus Differential.

Please add anything I have missed.

Regards,

Kendrick Keyannie

System Protection District Engineer

Bonneville Power Administration

Bell District

Spokane, Wa

509 468-3021

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(b)(4)



From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB

Sent: Wed Sep 29 14:27:56 2021

To: Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Rochelle, Patrick R (BPA) - TPPB-OPP-3; David Hodder

Subject: POPUD Questions

Importance: Normal

The purpose of this meeting is to discuss the following questions from POPUD.

We are looking at our Pine St to Usk 115kV line. The PUD would like to carry up to 50 MW to the PNC / Allrise site.

My questions are:

1. Does BPA have to do a study on this as our TOP?
2. If so, is there a threshold that we can carry that will not trigger a study?
3. From an operations perspective what limits if any would BPA like us to impose for system reliability and contingency planning if any?

Jared Lacambra

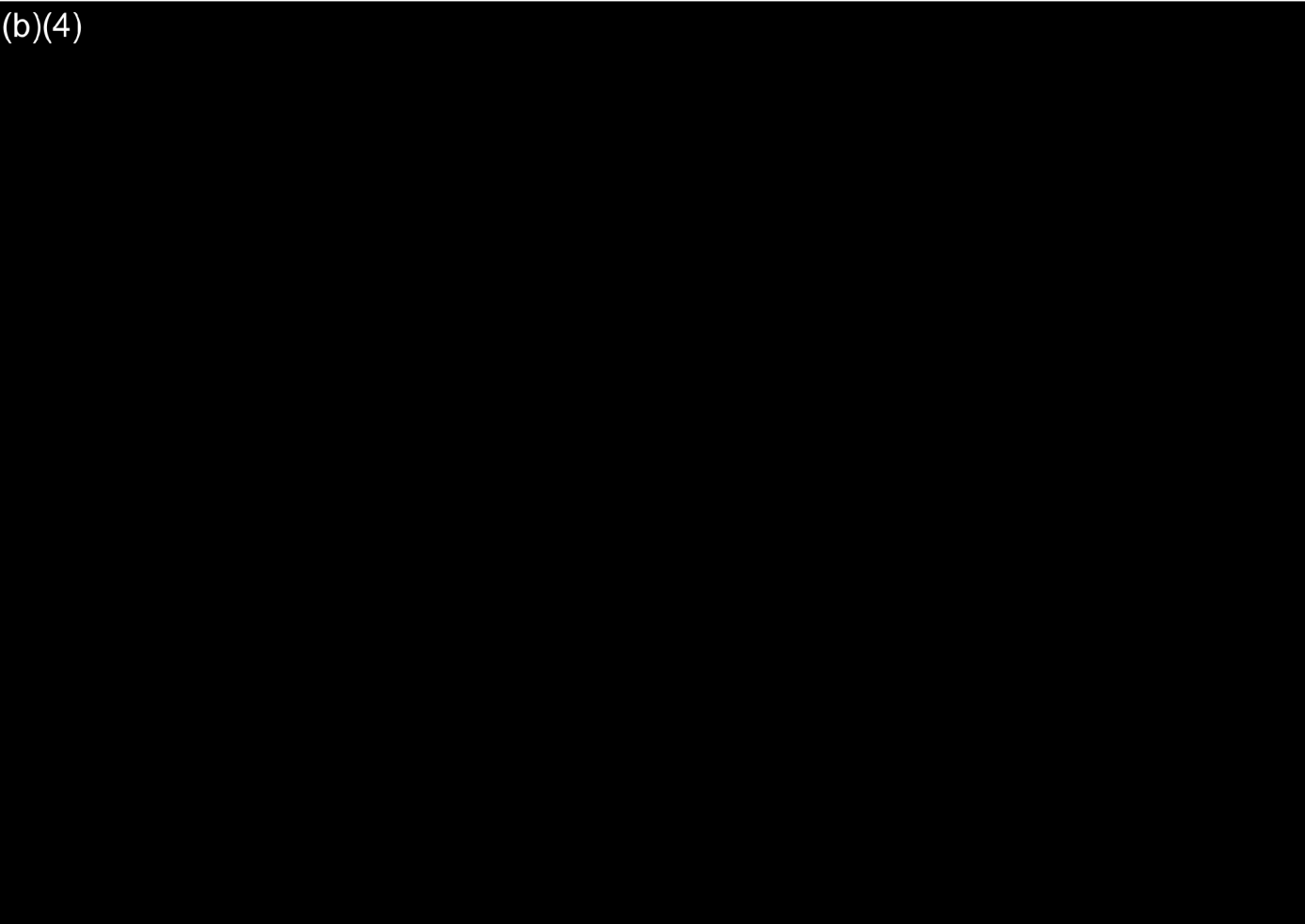
Customer Service Engineer | TPCF-MEAD-GOB

Bonneville Power Administration | Department of Energy
1620 E. Hawthorne Rd.
Mead, WA, 99021

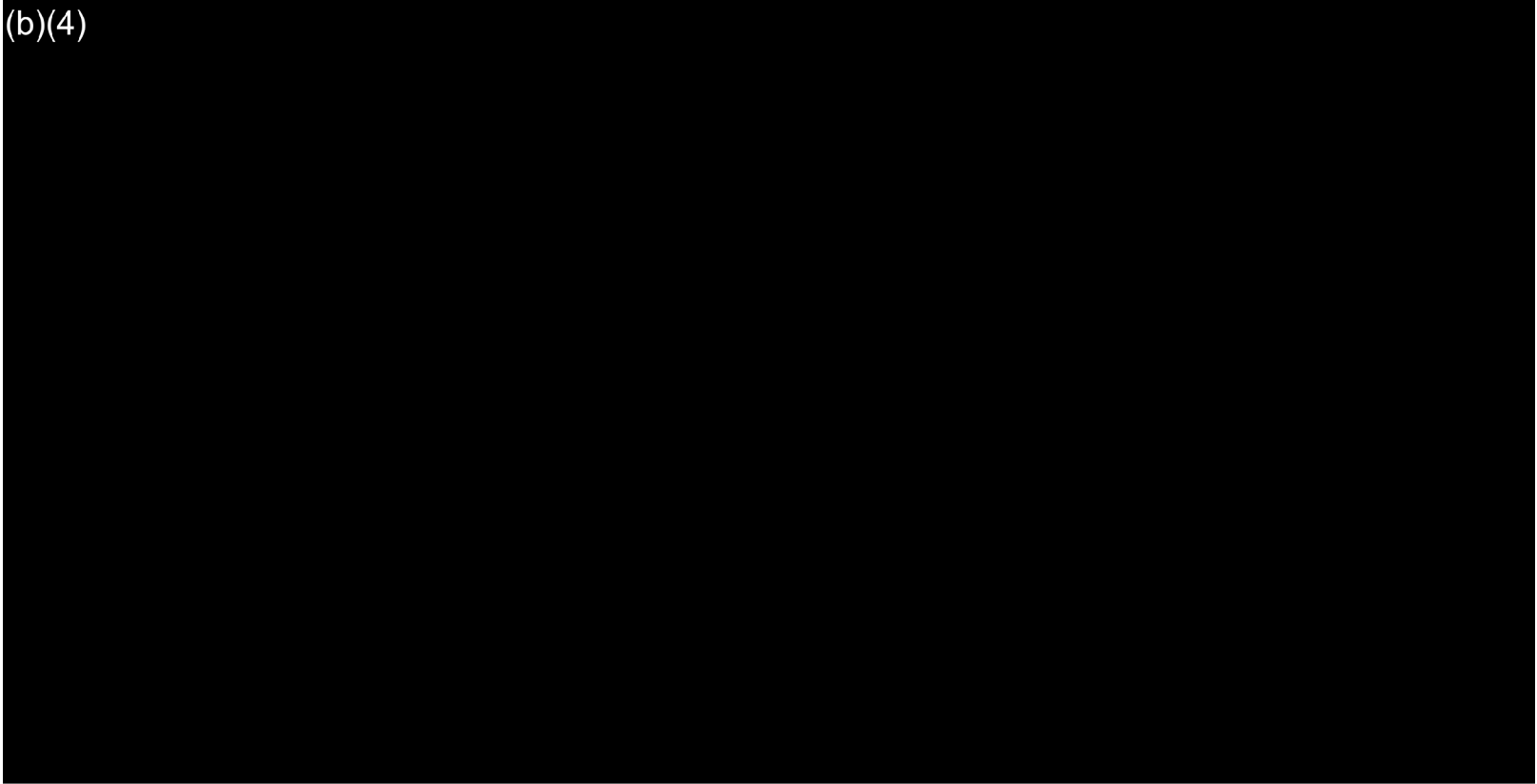
jmlacambra@bpa.gov

(509) 822-4605 (office)

(b)(4)



(b)(4)



From: David Hodder

Sent: Wed Sep 29 14:54:18 2021

To: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB

Subject: [EXTERNAL] RE: Pine Street to Usk 115kV line

Importance: Normal

Anytime the 12th or 15th works.

David

From: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>

Sent: Wednesday, September 29, 2021 2:20 PM

To: David Hodder <DHodder@popud.org>

Subject: RE: Pine Street to Usk 115kV line

Thanks I will check there calendars what about the following week?

From: David Hodder <DHodder@popud.org>

Sent: Wednesday, September 29, 2021 2:17 PM

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>
Subject: [EXTERNAL] RE: Pine Street to Usk 115kV line

Thursday afternoon or anytime Friday..

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

David

From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>
Sent: Wednesday, September 29, 2021 2:11 PM
To: David Hodder <DHodder@popud.org>
Subject: RE: Pine Street to Usk 115kV line

Hey Dave can you send me some times for Thursday, Friday and next week you are available? I'm going to set up a call with our Transmisison planning folks to discuss this request.

Jared

From: David Hodder <DHodder@popud.org>
Sent: Thursday, September 23, 2021 3:02 PM
To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>
Subject: [EXTERNAL] RE: Pine Street to Usk 115kV line

Hi Jared,

I didn't see this email until after the meeting. Can you check on it?

I need to give some feedback to my management.

Thanks,

David

From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>

Sent: Thursday, September 23, 2021 10:12 AM

To: David Hodder <DHodder@popud.org>

Subject: RE: Pine Street to Usk 115kV line

Importance: High

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I shared this with Ryan Jones and Akira. I think that the this deep dive meeting is a great place to bring this up.

Jared

From: David Hodder <DHodder@popud.org>

Sent: Thursday, September 16, 2021 10:35 AM

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>

Subject: [EXTERNAL] Re: Pine Street to Usk 115kV line

Hi Jared,

Where did we land on this?

Regards,

David J Hodder P.E.

Engineering Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

From: David Hodder

Sent: Monday, September 13, 2021 9:38 AM

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>

Subject: Pine Street to Usk 115kV line

Hi Jared,

We are looking at our Pine St to Usk 115kV line. The PUD would like to carry up to 50 MW to the PNC / Allrise site.

My questions are:

1. Does BPA have to do a study on this as our TOP?
2. If so, is there a threshold that we can carry that will not trigger a study?
3. From an operations perspective what limits if any would BPA like us to impose for system reliability and contingency planning if any?

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

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From: David Hodder

Sent: Thu Sep 30 09:08:50 2021

To: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Keyannie,Kendrick (BPA) - TFSD-BELL

Subject: [EXTERNAL] October 5 Trip Checks at PNC-USK

Importance: Normal

When you are done with all you NERC trip checks, Will you leave A960 closed or open?

If closed

1. The reason for leaving it closed
2. How will this impact the study effort
3. Any impacts to reopening it until we get the initial study reports in November

Currently, the PUD is protecting the 230 bus with a 50/51 and limiting the flow to 10 MW max before tripping them

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

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From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB

Sent: Thu Sep 30 11:59:16 2021

To: Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Rochelle, Patrick R (BPA) - TPPB-OPP-3; David Hodder; Jones, Ryan M (BPA) - TPP-OPP-3

Subject: POPUD Questions

Importance: Normal

The purpose of this meeting is to discuss the following questions from POPUD.

We are looking at our Pine St to Usk 115kV line. The PUD would like to carry up to 50 MW to the PNC / Allrise site.

My questions are:

1. Does BPA have to do a study on this as our TOP?
2. If so, is there a threshold that we can carry that will not trigger a study?
3. From an operations perspective what limits if any would BPA like us to impose for system reliability and contingency planning if any?

When the field is done with all you NERC trip checks, Will you leave A960 closed or open?

If closed

1. The reason for leaving it closed
2. How will this impact the study effort
3. Any impacts to reopening it until we get the initial study reports in November

Currently, the PUD is protecting the 230 bus with a 50/51 and limiting the flow to 10 MW max before tripping them

Jared Lacambra

Customer Service Engineer | TPCF-MEAD-GOB

Bonneville Power Administration | Department of Energy
1620 E. Hawthorne Rd.
Mead, WA, 99021

jmlacambra@bpa.gov

(509) 822-4605 (office)

From: David Hodder

Sent: Wed Oct 06 16:52:20 2021

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Rochelle, Patrick R (BPA) - TPPB-OPP-3; Jones, Ryan M (BPA) - TPP-OPP-3

Cc: Wick, Martin A (BPA) - TPCV-TPP-4

Bcc: jmlacambra@bpa.gov

Subject: [EXTERNAL] RE: Ponderay Inc. Crypto Power Factor

Importance: Normal

Hi Jared,

I'm not requesting to change the study data. Just following up on our discussion. Any part that is Block Chain bit coin mining will be 0.99 pf. I could have stated it clearer. Sorry.

When I submitted the original request I didn't have the crypto pf, so I assumed the worst. Again go with what you have on the original submittal. This is more a FYI, future reference.

Sorry for the confusion,

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>

Sent: Wednesday, October 6, 2021 3:01 PM

To: Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Rochelle, Patrick R (BPA) - TPPB-OPP-3 <prrochelle@bpa.gov>; Jones, Ryan M (BPA) - TPP-OPP-3 <rmjones@bpa.gov>

Cc: David Hodder <DHodder@popud.org>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>

Subject: RE: Ponderay Inc. Crypto Power Factor

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David,

I could use a little more clarification on the requested power factor change. If we use the load breakout that we have in writing from the LLIR that would include the mill load which is probably closer to a .93 PF.. I want to make sure we all understand what you are saying in the email below. Are you asking us to study the entire 300 MW load as if it is all crypto mining equipment at a power factor of .99?

I would anticipate TPP (Akira) will need to issue an extension to the study completion date if that is the case. I will defer to Akira on that. I believe that Akira has a rough number of MW's that could be brought on at this point while he completes his System Impact Study work which he can elaborate on.

Jared Lacambra

Customer Service Engineer | TPCF-MEAD-GOB

Bonneville Power Administration | Department of Energy
1620 E. Hawthorne Rd.
Mead, WA, 99021

jmlacambra@bpa.gov

(509) 822-4605 (office)

From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB

Sent: Monday, October 4, 2021 12:05 PM

To: Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Rochelle, Patrick R (BPA) - TPPB-OPP-3 <prrochelle@bpa.gov>; Jones, Ryan M (BPA) - TPP-OPP-3 <rmjones@bpa.gov>

Cc: David Hodder <DHodder@popud.org>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>

Subject: FW: Ponderay Inc. Crypto Power Factor

Akira,

I received this from POPUD.

Jared

From: David Hodder <DHodder@popud.org>

Sent: Thursday, September 30, 2021 4:50 PM

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>
Subject: [EXTERNAL] Ponderay Inc. Crypto Power Factor

Jared,

The power factor for the Crypto machines is 0.99. Can you pass it on to the BPA Modeling group?

I think you go with the load breakout you have in writing and use this PF.

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

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From: David Hodder

Sent: Thu Oct 14 12:29:00 2021

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB

Subject: [EXTERNAL] Ponderay Industries propose metering

Importance: Normal

Attachments: EPM 2200 Digital Power Meter __ GE Grid Solutions.pdf

Jared,

Here is what they propose to use for metering at the PNC site for the Bitcoin mining

Is it acceptable to BPA?

FROM Ponderay Industries:

Dave, I left you a voice mail but thought I should follow up with an email as well. Todd had given me the info for the Schweitzer metering that you typically use. The switchgear we plan on using has GE metering already installed. The model installed is GE EPM2200, if you could look over the spec sheet and confirm that It will work for you I would appreciate it.

Caleb Wiese

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

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- Ultra compact, easy to install, program and use
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Software Option	Measured Values	Real-Time	Avg	Max	Min
A1 Voltage and Current	Voltage L-N	*		*	*
	Voltage L-L	*		*	*
	Current Per Phase	*	*	*	*
	Current Neutral	*			
	% of Load Bar	*			
	Voltage Angles	*			
	Current Angles	*			
B1 The above plus: Power and Frequency	Watts	*	*	*	*
	VAR	*	*	*	*
	VA	*	*	*	*
	PF	*	*	*	*
	Frequency	*		*	*
C1 The above plus: Energy	+Watt-hr	*			
	-Watt-hr	*			
	Watt-hr Net	*			
	+VAR-hr	*			
	-VAR-hr	*			
	VAR-hr Net	*			
	VA-hr	*			
BN The above plus: BACnet, MS/TP and Modbus Ethernet communications					



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From: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB

Sent: Thu Oct 21 08:10:29 2021

To: David Hodder

Subject: RE: OCT 5 PNC Outage

Importance: Normal

Sounds good.

Do you mind replying to the group with Todd and Kendrick in its so they know? I think that POPUD is the only group that hasn't said the 28th is the date.

Jared

From: David Hodder <DHodder@popud.org>

Sent: Thursday, October 21, 2021 8:07 AM

To: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>

Subject: [EXTERNAL] RE: OCT 5 PNC Outage

Yes the 28th works....

I'll have one engineer there and one substation tech.

Thanks again,

David

From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>
Sent: Wednesday, October 20, 2021 3:46 PM
To: David Hodder <DHodder@popud.org>
Subject: RE: OCT 5 PNC Outage

The 28th is the day then?

Jared

From: David Hodder <DHodder@popud.org>
Sent: Wednesday, October 20, 2021 3:42 PM
To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>
Subject: [EXTERNAL] RE: OCT 5 PNC Outage

Sorry Jared,

We are assuming the switch will be closed as part of BPA's maintenance work. Ponderay Industries is aware of

the limit to 20 MW. There may be some pushback, but for now I am planning the A960 to remain closed and having the 20 MW max flow.

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

From: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>
Sent: Wednesday, October 20, 2021 3:16 PM
To: David Hodder <DHodder@popud.org>
Subject: RE: OCT 5 PNC Outage

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Any update?

Jared

From: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB
Sent: Tuesday, October 19, 2021 8:19 AM
To: David Hodder <DHodder@popud.org>
Subject: FW: OCT 5 PNC Outage

Morning Dave,

When we last spoke my understanding was we are in a holding pattern while POPUD figures out if they want to close switch A-960 in or not. Based on what was relayed in our meeting last week from Akira in Planning. BPA can only serve 20 MW when the switch is closed, but can do 50 MW through their own system if the switch stays open. But it's an either or situation. Has that decision been made? Just want to make sure I'm on the same page

with you.

Thanks

Jared

From: Behrend, Todd <tBehrend@ponderaynewsprint.com>
Sent: Monday, October 18, 2021 3:43 PM
To: Willburn,Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>; Keyannie,Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; David Hodder <DHodder@popud.org>; Walker,Nichloas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun,Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>
Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PRoice@popud.org>; Wolfe,Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>; Miller,Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Race,Todd L (BPA) - TFSE-BELL <tlrace@bpa.gov>
Subject: [EXTERNAL] RE: OCT 5 PNC Outage

Ponderay will plan on the 28th unless we hear otherwise.

Thank you--

From: Willburn,Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>

Sent: Monday, October 18, 2021 2:46 PM

To: Keyannie,Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; David Hodder <DHodder@popud.org>; Walker,Nichloas P (BPA) - TFSB-BELL <nwalker@bpa.gov>; Fedchun,Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>

Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PROice@popud.org>; Wolfe,Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>; Behrend, Todd <tBehrend@ponderaynewsprint.com>; Miller,Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Race,Todd L (BPA) - TFSE-BELL <tlrace@bpa.gov>

Subject: RE: OCT 5 PNC Outage

[THE SENDER IS OUTSIDE THE ORGANIZATION]

All,

The 28th of Oct. will work for my crew.

Ned Willburn

Bonneville Power Administration

Bell FMIII

Office 509-468-3011

Cell (b)(6)

From: Keyannie,Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>
Sent: Thursday, October 14, 2021 2:04 PM
To: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; David Hodder <DHodder@popud.org>; Walker,Nichloas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun,Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>
Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PRoice@popud.org>; Wolfe,Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>; tBehrend@ponderaynewsprint.com; Miller,Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Willburn,Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>; Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Race,Todd L (BPA) - TFSE-BELL <tlrace@bpa.gov>
Subject: RE: OCT 5 PNC Outage

All,

SPC has Tuesday 10/26th to Thursday 10/28th available to reconnect all wiring and testing. Ned will have to see if this will fit his schedule, if not please submit some dates.

Regards,

Kendrick Keyannie

System Protection District Engineer

Bonneville Power Administration

Bell District

Spokane, Wa

509 468-3021

From: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>

Sent: Thursday, October 14, 2021 11:58 AM

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Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PROice@popud.org>; Wolfe, Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>; tBehrend@ponderaynewsprint.com; Miller, Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Willburn, Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>

Subject: RE: OCT 5 PNC Outage

Good Afternoon,

Looks like TPP has given the green light on closing the switch and interconnecting an initial 20MW. What sort of time frame works for reconnecting the Ct's and trip circuits.

Jared Lacambra

Customer Service Engineer | TPCF-MEAD-GOB

Bonneville Power Administration | Department of Energy
1620 E. Hawthorne Rd.
Mead, WA, 99021

jmlacambra@bpa.gov

(509) 822-4605 (office)

From: Keyannie, Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>

Sent: Friday, October 1, 2021 7:29 AM

To: David Hodder <DHodder@popud.org>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Walker, Nicholas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun, Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>

Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PRoice@popud.org>; Wolfe, Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>; tBehrend@ponderaynewsprint.com; Miller, Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Willburn, Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>

Subject: RE: OCT 5 PNC Outage

Importance: High

I see that POPUD would like the switch to remain open until they have a study complete. With that in mind I would like to postpone reconnecting our CT's and trip circuits till everyone is in agreement that we want to close A960 switch. I do not want to add the CT contributions back into our differential if POPUD is still servicing PNC and A960 switch is open. POPUD and PNC please set up a future meeting when you are ready to have A960 closed and at that point BPA will reconnect relay protection. BPA will still need to perform trip checks after re-connecting all circuits while the bus is dead between POPUD, PNC and BPA in the future.

Regards,

Kendrick Keyannie

System Protection District Engineer

Bonneville Power Administration

Bell District

Spokane, Wa

509 468-3021

From: David Hodder <DHodder@popud.org>

Sent: Thursday, September 30, 2021 4:54 PM

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Keyannie, Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>

Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice

<PRoice@popud.org>

Subject: [EXTERNAL] FW: OCT 5 PNC Outage

See the attached.

1. Do you want a Pend Oreille lineman to close the A960 switch for the testing?
2. The PUD is requesting that the A960 switch be left in the Open position. Tagged and Locked.

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

Thanks,

David H

From: Brian Marsengill
Sent: Thursday, September 30, 2021 3:46 PM
To: David Hodder <DHodder@popud.org>
Subject: OCT 5 PNC Outage

David this is just my own to do list, you may want review.

After discussion earlier about sync that should probably be done at the switchyard?

This would require killing the transformer so the better informed the system operators should help the process.

A lineman should be present just to close A960?

Thanks

Brian Marsengill

Substation Technician

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

Cell: (b)(6)

bmarsengill@popud.org

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[Pend Oreille County Public Utility District #1](#)

From: David Hodder

Sent: Thu Oct 21 10:03:49 2021

To: Behrend, Todd; Willburn, Ned R (BPA) - TFSE-BELL; Keyannie, Kendrick (BPA) - TFSD-BELL; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB; Walker, Nicholas P (BPA) - TFSB-BELL; Fedchun, Pavel (BPA) - TFSB-USFS NEWPORT

Cc: Brian Marsengill; Steven Metzger; Philip Roice; Wolfe, Dana R (BPA) - TFS-BELL-1; Miller, Marcus D R (BPA) - TFSE-BELL; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2; Race, Todd L (BPA) - TFSE-BELL

Subject: [EXTERNAL] RE: OCT 5 PNC Outage--- 10/28

Importance: Normal

Hi Todd,

Yes plan for the outage during this time.

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

From: Behrend, Todd <tBehrend@ponderaynewsprint.com>

Sent: Thursday, October 21, 2021 9:27 AM

To: David Hodder <DHodder@popud.org>; Willburn, Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>; Keyannie, Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Walker, Nicholas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun, Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>

Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PRoice@popud.org>; Wolfe, Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>; Miller, Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Race, Todd L (BPA) - TFSE-BELL <trace@bpa.gov>

Subject: RE: OCT 5 PNC Outage--- 10/28

Ponderay will plan for the outage. Do I recall that we should expect to be without power from about 9AM until 2 or 3 PM?

We'll need to shut down computer systems, etc. in advance.

Thanks—

Todd

From: David Hodder <DHodder@popud.org>

Sent: Thursday, October 21, 2021 8:35 AM

To: Willburn, Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>; Keyannie, Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Walker, Nichloas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun, Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>

Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PRoice@popud.org>; Wolfe, Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>; Behrend, Todd <tBehrend@ponderaynewsprint.com>; Miller, Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Race, Todd L (BPA) - TFSE-BELL <ttrace@bpa.gov>

Subject: RE: OCT 5 PNC Outage--- 10/28

[THE SENDER IS OUTSIDE THE ORGANIZATION]

Pend Oreille PUD will be on site on the 28 to support this work. The plan looks good.

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

From: Willburn, Ned R (BPA) - TFSE-BELL <nrwillburn@bpa.gov>

Sent: Monday, October 18, 2021 2:46 PM

To: Keyannie, Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-

GOB <jmlacambra@bpa.gov>; David Hodder <DHodder@popud.org>; Walker, Nicholas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun, Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>
Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PROice@popud.org>; Wolfe, Dana R (BPA) - TFS-BELL-1 <drwolfe@bpa.gov>;
tBehrend@ponderaynewsprint.com; Miller, Marcus D R (BPA) - TFSE-BELL <mdmiller@bpa.gov>; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Race, Todd L (BPA) - TFSE-BELL <tlrace@bpa.gov>
Subject: RE: OCT 5 PNC Outage

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All,

The 28th of Oct. will work for my crew.

Ned Willburn

Bonneville Power Administration

Bell FMIII

Office 509-468-3011

Cell (b)(6)

From: Keyannie,Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>
Sent: Thursday, October 14, 2021 2:04 PM
To: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; David Hodder <DHodder@popud.org>; Walker,Nichloas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun,Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>
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Bonneville Power Administration

Bell District

Spokane, Wa

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Subject: RE: OCT 5 PNC Outage

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Jared Lacambra

Customer Service Engineer | TPCF-MEAD-GOB

Bonneville Power Administration | Department of Energy
1620 E. Hawthorne Rd.
Mead, WA, 99021

jmlacambra@bpa.gov

(509) 822-4605 (office)

From: Keyannie, Kendrick (BPA) - TFSD-BELL <kkeyannie@bpa.gov>

Sent: Friday, October 1, 2021 7:29 AM

To: David Hodder <DHodder@popud.org>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Walker, Nicholas P (BPA) - TFSB-BELL <npwalker@bpa.gov>; Fedchun, Pavel (BPA) - TFSB-USFS NEWPORT <pfedchun@bpa.gov>

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Importance: High

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Kendrick Keyannie

System Protection District Engineer

Bonneville Power Administration

Bell District

Spokane, Wa

509 468-3021

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Sent: Thursday, September 30, 2021 4:54 PM

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Cc: Brian Marsengill <bmarsengill@popud.org>; Steven Metzger <SMetzger@popud.org>; Philip Roice <PRoice@popud.org>

Subject: [EXTERNAL] FW: OCT 5 PNC Outage

See the attached.

1. Do you want a Pend Oreille lineman to close the A960 switch for the testing?
2. The PUD is requesting that the A960 switch be left in the Open position. Tagged and Locked.

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

Thanks,

David H

From: Brian Marsengill
Sent: Thursday, September 30, 2021 3:46 PM
To: David Hodder <DHodder@popud.org>
Subject: OCT 5 PNC Outage

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Thanks

Brian Marsengill

Substation Technician

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

Cell (b)(6)

bmarsengill@popud.org

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[Pend Oreille County Public Utility District #1](#)

From: Moditz, Tina (BPA) - TP-DITT-2

Sent: Fri Oct 22 15:15:21 2021

To: Colin Willenbrock

Subject: Pend Oreille PUD - System Impact Study (L0494)

Importance: Normal

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Colin Willenbrock

Sent: Fri Oct 29 15:55:53 2021

To: Cook,Jeffrey W (BPA) - TP-DITT-2; Moditz,Tina (BPA) - TP-DITT-2

Cc: Tyler Whitney

Bcc: jwcook@bpa.gov

Subject: [EXTERNAL] RE: Pend Oreille PUD - System Impact Study (L0494)

Importance: Normal

Jeff,

Thank you for taking the time to speak with me. The customer does intend to send a letter confirming their desire to pursue the first 100MW as data center load with near unity power factor. In the meantime, how does Monday or Tuesday afternoon next week look for you and your team to briefly address the customer's concerns and proposed path forward?

Thank you,

Colin

From: Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Sent: Friday, October 29, 2021 9:41 AM

To: Colin Willenbrock <cwillenbrock@popud.org>; Moditz, Tina (BPA) - TP-DITT-2 <cdmoditz@bpa.gov>

Subject: RE: Pend Oreille PUD - System Impact Study (L0494)

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Colin

Was good to talk this morning and hopefully the new developer is able to start soon and bring some jobs into the area. I will wait for you on setting up the call next week with the developer and have included Tina on the email chain to help schedule. Have a great weekend and talk soon

Jeff

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Colin Willenbrock <cwillenbrock@popud.org>
Sent: Friday, October 22, 2021 12:02 PM
To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Subject: [EXTERNAL] Pend Oreille PUD - System Impact Study (L0494)

Jeff,

I'm not sure we have formally met, but I believe we may have spoken at a PPC meeting a couple of years ago. I am writing to request a meeting with you to discuss the above referenced project and the recent study delays and interconnection limits recently imposed by BPA. Please let me know your availability next week and I can move things around on my end.

Look forward to talking with you.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)



October 29, 2021

Mr. Colin Willenbrock
Pend Oreille County Public Utility District
General Manager
P.O. Box 190
Newport, WA
99156

Sent via E-Mail ONLY

Re: Update and Clarifications from BPA meeting

First, on behalf of both Ponderay and Allrise, I'd like to thank you for meeting with the BPA to obtain better clarification regarding their concerns, and for relaying this critical information to us in a very timely manner. Understanding their concern gives Ponderay the opportunity to refine our plan such that the load characteristics are conducive to the earliest delivery of power.

Based on today's conversation, any additional load for at least the next 100 MW at the Ponderay site will be dedicated to Data Center loads that will have a power factor near unity.

As the information becomes available from the current studies, Ponderay will analyze the best use of further site power delivery and notify the District before making changes in operation or expansion that would materially change the character of the load.

Best Regards,

Todd Behrend

Todd Behrend
CEO
Ponderay Industries, LLC

From: Colin Willenbrock

Sent: Mon Nov 01 09:27:36 2021

To: Moditz,Tina (BPA) - TP-DITT-2; Cook,Jeffrey W (BPA) - TP-DITT-2

Cc: Tyler Whitney

Subject: [EXTERNAL] RE: Pend Oreille PUD - System Impact Study (L0494)

Importance: Normal

Perfect. Thank you.

- Todd Behrend (tbehrend@ponderayindustries.com)
- Dana Zentz (dzentz@fishbayresources.com)
- April Owen (aowen@popud.org)
- Tyler Whitney (twhitney@popud.org)
- Christopher McKey (Christopher@energywestllc.com)

Colin

From: Moditz,Tina (BPA) - TP-DITT-2 <cdmoditz@bpa.gov>
Sent: Monday, November 1, 2021 9:24 AM
To: Colin Willenbrock <cwillenbrock@popud.org>; Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Cc: Tyler Whitney <TWhitney@popud.org>
Subject: RE: Pend Oreille PUD - System Impact Study (L0494)

I will send a WEBEX link shortly.

Do you have contact information for the customer, or do you want to forward the invite to them?

From: Colin Willenbrock <cwillenbrock@popud.org>
Sent: Monday, November 1, 2021 9:22 AM
To: Moditz,Tina (BPA) - TP-DITT-2 <cdmoditz@bpa.gov>; Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Cc: Tyler Whitney <TWhitney@popud.org>
Subject: [EXTERNAL] RE: Pend Oreille PUD - System Impact Study (L0494)

Tina,

The customer has confirmed they can do today at 1:30. Please send call-in instructions or I can send a Teams invite, whichever you prefer.

Thank you,

Colin

From: Moditz, Tina (BPA) - TP-DITT-2 <cdmoditz@bpa.gov>

Sent: Monday, November 1, 2021 7:34 AM

To: Colin Willenbrock <cwillenbrock@popud.org>; Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Cc: Tyler Whitney <TWhitney@popud.org>

Subject: RE: Pend Oreille PUD - System Impact Study (L0494)

Good morning Colin,

Jeff is available at the following times today and tomorrow

Today @ 1:30 -2

Tomorrow @ 2-2:30

Thank you

Tina

Tina Moditz

Executive Assistant to

Jeffrey Cook, VP, Transmission Planning and Asset Management |

Bonneville Power Administration

cdmoditz@bpa.gov | P 360.418.2941 | C (b)(6)

[Facebook-Icon 31x31](#) [v3Flickr-Icon 31x31](#) [Instagram-Icon 31x31](#) [LinkedIn-Icon 31x31](#) [Twitter 31x31](#) [YouTube 31x31](#)

“Allons-y”

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Friday, October 29, 2021 3:56 PM

To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Moditz, Tina (BPA) - TP-DITT-2 <cdmoditz@bpa.gov>

Cc: Tyler Whitney <TWhitney@popud.org>

Subject: [EXTERNAL] RE: Pend Oreille PUD - System Impact Study (L0494)

Jeff,

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Subject: RE: Pend Oreille PUD - System Impact Study (L0494)

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Colin

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Jeff

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Friday, October 22, 2021 12:02 PM

To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Subject: [EXTERNAL] Pend Oreille PUD - System Impact Study (L0494)

Jeff,

I'm not sure we have formally met, but I believe we may have spoken at a PPC meeting a couple of years ago. I am writing to request a meeting with you to discuss the above referenced project and the recent study delays and interconnection limits recently imposed by BPA. Please let me know your availability next week and I can move things around on my end.

Look forward to talking with you.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

From: Moditz, Tina (BPA) - TP-DITT-2

Sent: Mon Nov 01 09:37:37 2021

To: Colin Willenbrock; Cook, Jeffrey W (BPA) - TP-DITT-2; - Todd Behrend; Dana Zentz; April Owen; Tyler Whitney; Christopher@energywestilc.com

Subject: Pend Oreille PUD System Impact Study (L0494)

Importance: Normal

WEBEX information following shortly.

From: Cook,Jeffrey W (BPA) - TP-DITT-2

Sent: Mon Nov 01 09:37:37 2021

To: Colin Willenbrock; Cook,Jeffrey W (BPA) - TP-DITT-2; - Todd Behrend; Dana Zentz; April Owen; Tyler Whitney; Christopher@energywestilc.com

Subject: Pend Oreille PUD System Impact Study (L0494)

Importance: Normal

WEBEX information following shortly.

From: Moditz, Tina (BPA) - TP-DITT-2

Sent: Mon Nov 01 09:38:07 2021

To: Colin Willenbrock; Cook, Jeffrey W (BPA) - TP-DITT-2; - Todd Behrend; Dana Zentz; April Owen; Tyler Whitney; Christopher@energywestilc.com

Subject: Pend Oreille PUD System Impact Study (L0494)

Importance: Normal

You can forward this invitation to others.

Conference Room Services 6 is inviting you to a scheduled Webex meeting.

Monday, November 1, 2021

1:30 PM | (UTC-07:00) Pacific Time (US & Canada) | 30 mins

[Join meeting](#)

More ways to join:

Join from the meeting link

<https://bpa.webex.com/bpa/j.php?MTID=m3bbff1f116c45dde54e7c5b3a93424c5>

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Meeting number (access code): (b)(6)

Meeting password: (b)(6)

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Join by phone

+1-415-527-5035 US Toll

[Global call-in numbers](#)

Join from a video system or application

Dial (b)(6) @bpa.webex.com

You can also dial (b)(6) and enter your meeting number.

Need help? Go to <https://help.webex.com>

From: Tyler Whitney

Sent: Mon Nov 01 09:38:08 2021

To: Cook,Jeffrey W (BPA) - TP-DITT-2

Subject: Accepted: Pend Oreille PUD System Impact Study (L0494)

Importance: Normal

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[Pend Oreille County Public Utility District #1](#)

From: Tyler Whitney

Sent: Mon Nov 01 09:38:08 2021

To: Moditz,Tina (BPA) - TP-DITT-2

Subject: [EXTERNAL] Accepted: Pend Oreille PUD System Impact Study (L0494)

Importance: Normal

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[Pend Oreille County Public Utility District #1](#)

From: April Owen

Sent: Mon Nov 01 11:23:35 2021

To: Cook,Jeffrey W (BPA) - TP-DITT-2

Subject: Accepted: Pend Oreille PUD System Impact Study (L0494)

Importance: Normal

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[Pend Oreille County Public Utility District #1](#)

From: Idowu,Ayodele O (BPA) - TPMC-OPP-3

Sent: Fri Nov 05 14:40:08 2021

To: Tyler Whitney

Subject: Automatic reply: L0494 Delay Notice

Importance: Normal

Hello All:

I will be out of the office starting Monday - November 1, 2021 through Friday - November 5, 2021. I will have limited access to email while I am out of office. I plan to return to telework status on Monday - November 8, 2021.

While I am out, Chris Witthaus [ccwitthaus@bpa.gov] is Acting TPMC Supervisor. Please contact Chris regarding Communications and Control Planning Group (TPMC) inquires.

Regards,

Ayo Idowu

Supervisory Electronics Engineer

Bonneville Power Administration

Transmission Services – Communications and Control Planning (TPMC)

Office: 7600 NE 41st St, Ste 340, Vancouver, WA 98662

Email: aoidowu@bpa.gov

Direct: 360.418.2802

Cell: (b)(6)

Fax: 360.619.6589

From: Tyler Whitney

Sent: Tue Nov 09 12:49:22 2021

To: Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Colin Willenbrock; April Owen; David Hodder; Cook, Jeffrey W (BPA) - TP-DITT-2; Christopher Mckey (christopher@energywestllc.com)

Cc: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB; Ngoy, Prachthearat (BPA) - TPMC-OPP-3; Wick, Martin A (BPA) - TPCV-TPP-4; Cosola, Anna M (BPA) - TPCC-TPP-4; Galbraith, Brian T (BPA) - TPCC-TPP-4; Stinnette, William W (CONTR) - EC-4; PWA Study; Lee, Christina A (BPA) - TPP-OPP-3; Geyer, Sheryl A (CONTR) - TPP-OPP-3; Hammack, Debby (BPA) - TPPC-OPP-3; Idowu, Ayodele O (BPA) - TPMC-OPP-3; Moyer, Robert B (CONTR) - TPCC-TPP-4; Smith III, James B (CONTR) - TPCC-TPP-4; Bustamante, Richard (BPA) - TPP-OPP-3

Bcc: rbmoyer@bpa.gov; rxbustamante@bpa.gov; amcosola@bpa.gov; pwastudy@bpa.gov; btgalbraith@bpa.gov; dlhammack@bpa.gov; alharris@bpa.gov; jwcook@bpa.gov; jmlacambra@bpa.gov; sageyer@bpa.gov; mawickjr@bpa.gov; calee@bpa.gov; aoidowu@bpa.gov; jbsmith@bpa.gov; wwstinnette@bpa.gov; pxngoy@bpa.gov

Subject: [EXTERNAL] Re: L0494 Delay Notice

Importance: Normal

Thank you, Akira. Could you let us know what threshold BPA has used to define “near unity” so we can make that requirement clear to the customer in our contracts?

From: Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Date: Tuesday, November 9, 2021 at 10:47 AM

To: Tyler Whitney <TWhitney@popud.org>, Colin Willenbrock <cwillenbrock@popud.org>, April Owen <aowen@popud.org>, David Hodder <DHodder@popud.org>, Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>, Christopher Mckey (christopher@energywestllc.com) <christopher@energywestllc.com>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>, Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>, Ngoy,Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>, Wick,Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>, Cosola,Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>, Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>, Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>, PWA Study <pwastudy@bpa.gov>, Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>, Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>, Hammack,Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>, Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>, Moyer,Robert B (CONTR) - TPCC-TPP-4 <rbmoyer@bpa.gov>, Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>, Bustamante,Richard (BPA) - TPP-OPP-3 <rxbustamante@bpa.gov>

Subject: RE: L0494 Delay Notice

Hello Tyler,

Updated results indicate no issues or system upgrades are required for 100 MW of load at near unity at Usk 230 kV. The official confirmation of availability of the 100 MW load will be documented in the System Impact Study report which we are updating to reflect these latest/updated findings and will be issued prior to the current December 13th due date.

As we've discussed, any load above the 100 MW will require a new interconnection request.

If you have any questions please feel free to contact me.

Thank you,

Akira

From: Tyler Whitney <TWhitney@popud.org>

Sent: Friday, November 5, 2021 2:40 PM

To: Colin Willenbrock <cwillenbrock@popud.org>; April Owen <aowen@popud.org>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; David Hodder <DHodder@popud.org>; Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Christopher Mckey (christopher@energywestllc.com) <christopher@energywestllc.com>

Cc: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy, Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola, Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette, William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee, Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack, Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Idowu, Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer, Robert B (CONTR) - TPCC-TPP-4 <rbmoyer@bpa.gov>; Smith III, James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Subject: [EXTERNAL] RE: L0494 Delay Notice

Good Afternoon Akira and Team,

Thank you again for accommodating our joint call with Ponderay this past Monday. It was a very helpful conversation. In follow-up, can you please let us know if BPA has confirmed the availability of 100 MW of capacity at the Usk site (subject to the near-unity power factor requirements we discussed), or when that confirmation might be forthcoming?

Thank you,

Tyler

From: Colin Willenbrock

Sent: Friday, October 29, 2021 4:52 PM

To: April Owen <aowen@popud.org>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; David Hodder <DHodder@popud.org>; Tyler Whitney <TWhitney@popud.org>; Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Christopher Mckey (christopher@energywestllc.com) <christopher@energywestllc.com>

Cc: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy, Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola, Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette, William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee, Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack, Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Idowu, Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer, Robert B (CONTR) - TPCC-TPP-4 <rhmoyer@bpa.gov>; Smith III, James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; Normandeau, Mike (BPA) - PSE-ROANAN <mrnormandeau@bpa.gov>

Subject: RE: L0494 Delay Notice

Akira and Team,

Please see the attached letter from the customer confirming April's representations below. We look forward to getting a follow-up meeting scheduled for early next week.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

From: April Owen <aowen@popud.org>

Sent: Thursday, October 28, 2021 2:38 PM

To: Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; David Hodder <DHodder@popud.org>; Tyler Whitney <TWhitney@popud.org>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy,Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick,Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola,Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>;

Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack,Debby (BPA) - TPPC-OPP-3 <dihammack@bpa.gov>; Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer,Robert B (CONTR) - TPCC-TPP-4 <rbmoyer@bpa.gov>; Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; Colin Willenbrock <cwillenbrock@popud.org>; Normandeau,Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Subject: RE: L0494 Delay Notice

Hi Akira,

Pend Oreille PUD acknowledges receipt of BPA's delay notice. As discussed on today's call, our customer (Ponderay) has advised and committed that the first 100 MW of power delivered to the Usk site (except the existing 1.5 MW of mill maintenance power) will be computer equipment load with nearly unity power factor, essentially 100% capacity factor and flexibility to adapt to non-firm deliveries and short notice curtailments. Ponderay states that it understands that a hoped-for future restart of paper making operations in addition to the first 100 MW for computer load will likely require further discussion and study by BPA. Ponderay states it is willing to undertake that additional study effort once near-term certainty of power delivery for computing loads has been assured.

Further, assuming the impact study results do ultimately conclude the Usk site is limited to power deliveries substantially below historic loads, Pend Oreille PUD insists that the forthcoming impact study report include a detailed discussion of all factors that have led to that capacity restriction. We understand from our conversations with BPA both today and on October 14 that those details will be included in the report.

Please let me know if you have any questions.

Thank you,

April Owen

April Owen

Director, Audit, Finance & Power Supply

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

509.447.9321 | aowen@popud.org | www.popud.org

From: Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Sent: Thursday, October 14, 2021 11:55 AM

To: David Hodder <DHodder@popud.org>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy,Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick,Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola,Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack,Debby (BPA) - TPPC-

OPP-3 <dlhammack@bpa.gov>; Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer,Robert B (CONTR) - TPCC-TPP-4 <rbmoyer@bpa.gov>; Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>

Subject: L0494 Delay Notice

CAUTION: This email originated from outside of the POPUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello David,

This email serves as an official delay notice for the System Impact Study of interconnection request L0494. The Oct 29th, 2021, due date cannot be met. Additional time is needed to identify the impacts from this interconnection request. The new due date for the System Impact Study report is Dec 13th, 2021. However, BPA intends to do all we can to accelerate that date and will try to deliver the report earlier than this 45 day delay. In the interim, we have determined that 20 MW of load can be interconnected after the reconnection of the PNC site, coordinated trip checks with Bell SPC, and independent metering to capture blockchain and the paper mill load.

If you have any questions please feel free to contact me.

Thank you,

Akira Mendez

Electrical Engineer | Transmission Planning

Bonneville Power Administration

(360) 418-2729

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[Pend Oreille County Public Utility District #1](#)

From: David Hodder

Sent: Wed Nov 17 10:05:25 2021

To: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB

Subject: [EXTERNAL] FW: Metering CT characteristics

Importance: Normal

Hi Jared,

Here is another request regarding metering from Ponderay Industries Allrise. This is the old PNC site.

Thanks,

Regards,

David J Hodder P.E.

Engineering Manager

Phone 509 447-3137

Cell (b)(6)

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

From: Craig A. Ripplinger, P.E. <r.e.l@comcast.net>

Sent: Tuesday, November 16, 2021 2:55 PM

To: David Hodder <DHodder@popud.org>

Subject: Metering CT characteristics

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David

we want to enable revenue metering for the data center at PNC LLC so REL is designing this in.

My question is:

If we use CTs that are good for 0.5 Ohm burden is this ok? I believe the BPA spec is 1.8 but we will want to put the SEL 735 very close to the metering transformers with very little length in #10 CT cable.

We can use CTs with B1.8 but the installation is much more complex with the large CTs

CR

Craig A. Ripplinger, P.E.,

Крейг Алан Рипплингер, П.Е.

Ripplinger Engineering Laboratories

4117 N. Garry Rd.

Otis Orchards, WA 99027

Telephone: 509 892 1375

R.E.L@Comcast.net

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[Pend Oreille County Public Utility District #1](#)

From: Villalobos, Daniel P (BPA) - PEJB-MEAD-GOB

Sent: Thu Nov 18 09:46:33 2021

To: Amber Gifford

Cc: Hobbs, Lindsey K (BPA) - PEJB-MEAD-GOB

Subject: IS2 Utility EE Activity Summary Report (2).xls

Importance: Normal

Attachments: IS2 Utility EE Activity Summary Report (2).xls

Hi Amber - As requested! Don't forget that the potential for the PNC now Allrise Capital plant is likely pretty much gone (we really don't have anything for server farms) and the big increase in residential last year was for direct mail kits for LEDs which are also gone for the state of Washington so your potential looking forward will likely not align with your historical. - Dan

Bonneville Power Administration
Utility Energy Efficiency Activity Summary Report

BPA does not review or approve Non-Reportable Savings

Account: Pend Oreille County PUD No. 1

Created on: 11/18/2021 9:39:50 AM, Includes Completion Dates: 10/1/2016 to 12/31/2021

Serving Utility Name	Serving Utility ID	Fiscal Year	Sector	Funding Source	Savings Type	EEI Savings (kWh)
Pend Oreille County PUD No. 1	10306	2017	Commercial	EEl	Lighting	1,420,359.51
			Industrial	Direct Acquisition	BPA Green Motors	18,360.00
			Residential	EEl	Deemed Measure	300,839.58
			Total			1,739,559.09
		2018	Industrial	Direct Acquisition	BPA Green Motors	15,026.00
			Residential	EEl	Deemed Measure	30,619.55
			Total			45,645.55
		2019	Commercial	EEl	Lighting	32,940.70
			Residential	EEl	Deemed Measure	20,240.54
			Total			53,181.24
		2020	Commercial	EEl	Deemed Measure	9,632.93
			Industrial	Direct Acquisition	BPA Green Motors	9,089.00
				EEl	Lighting	1,129,225.15
			Residential	EEl	Deemed Measure	31,903.12
			Total			1,179,850.20
		2021	Commercial	EEl	Deemed Measure	12,897.36
					Lighting	28,692.43
			Residential	EEl	Deemed Measure	550,347.65
					Self-funded	Deemed Measure
			Total			591,937.44
		Total				

LPF / LPP Savings(kWh)	Self Funded Savings (kWh)	Non Reportable Savings (kWh)	EE/LPF/LPP Reimbursement	BPA WTP
0.00	0.00	0.00	\$228,963.40	\$228,963.40
0.00	0.00	0.00	\$0.00	\$0.00
0.00	0.00	0.00	\$41,628.00	\$41,628.00
0.00	0.00	0.00	\$270,591.40	\$270,591.40
0.00	0.00	0.00	\$0.00	\$0.00
0.00	0.00	0.00	\$9,720.00	\$9,720.00
0.00	0.00	0.00	\$9,720.00	\$9,720.00
0.00	0.00	0.00	\$6,113.80	\$6,113.80
0.00	0.00	0.00	\$6,660.00	\$6,660.00
0.00	0.00	0.00	\$12,773.80	\$12,773.80
0.00	0.00	0.00	\$4,214.70	\$4,214.70
0.00	0.00	0.00	\$0.00	\$0.00
0.00	0.00	0.00	\$188,003.00	\$188,003.00
0.00	0.00	0.00	\$10,720.00	\$10,720.00
0.00	0.00	0.00	\$202,937.70	\$202,937.70
0.00	0.00	0.00	\$3,000.00	\$3,000.00
0.00	0.00	0.00	\$5,020.00	\$5,020.00
0.00	0.00	0.00	\$142,650.00	\$142,650.00
0.00	35,185.64	0.00	\$0.00	\$12,190.00
0.00	35,185.64	0.00	\$150,670.00	\$162,860.00
0.00	35,185.64	0.00	\$646,692.90	\$658,882.90

From: Hobbs,Lindsey K (BPA) - PEJB-MEAD-GOB

Sent: Fri Nov 19 07:37:38 2021

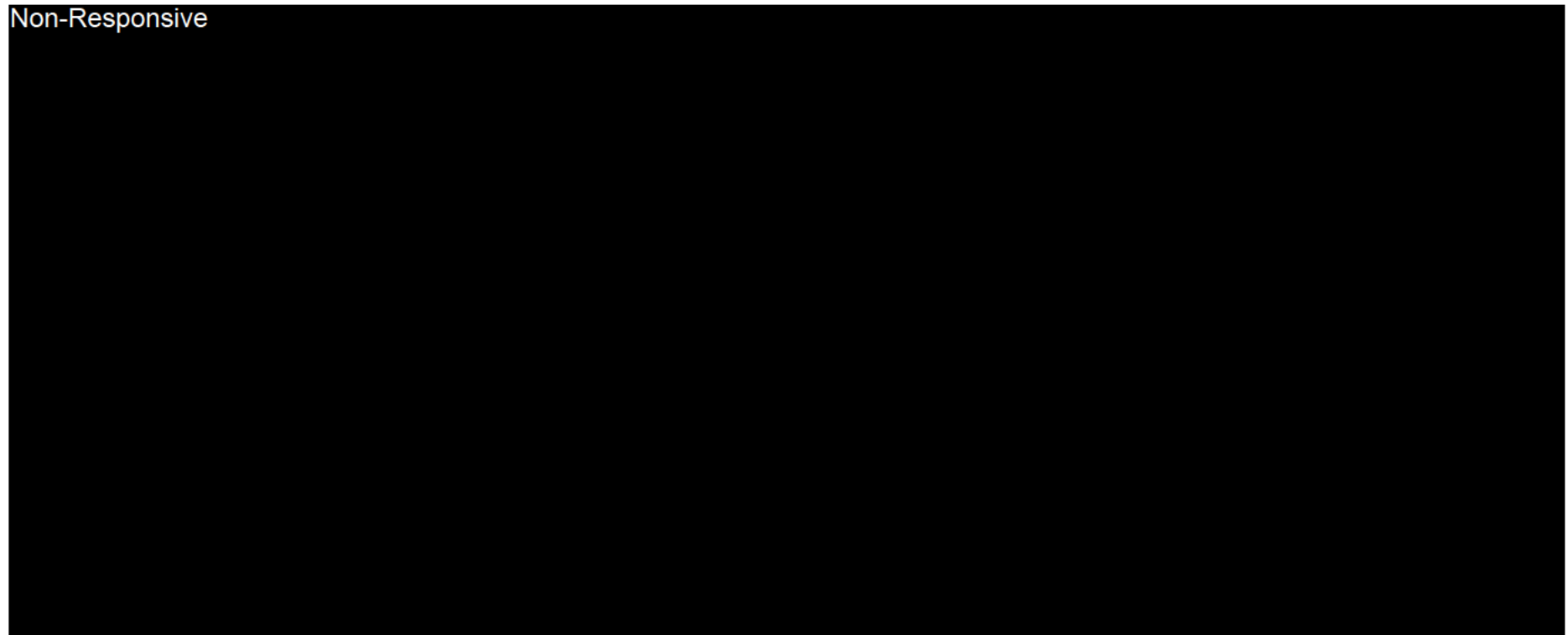
To: Amber Gifford

Subject: RE: IS2 Utility EE Activity Summary Report (2).xls

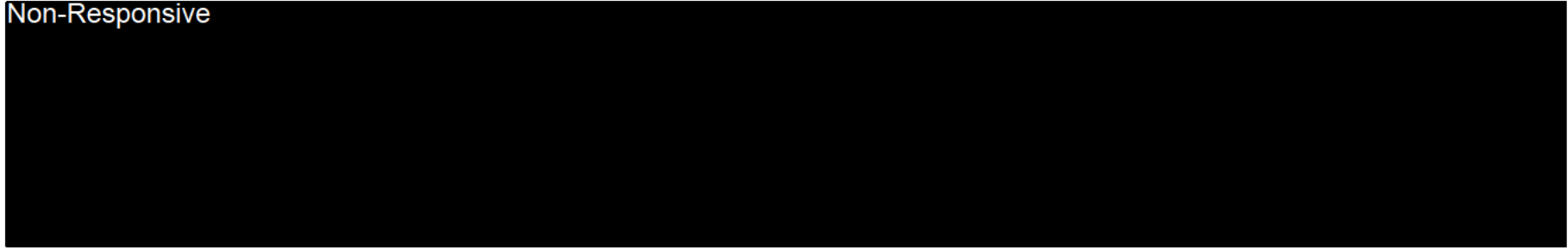
Importance: Normal

Attachments: Lindsey Hobbs.vcf

Non-Responsive



Non-Responsive



I am looking forward to getting to know you further. Should you need anything, please let me know J

Lindsey Hobbs

Energy Efficiency Representative

BONNEVILLE POWER ADMINISTRATION

bpa.gov | Office: (509)822-4588 | lkhobbs@bpa.gov

From: Amber Gifford <AGifford@popud.org>
Sent: Thursday, November 18, 2021 9:50 AM
To: Villalobos, Daniel P (BPA) - PEJB-MEAD-GOB <dpvillalobos@bpa.gov>
Cc: Hobbs, Lindsey K (BPA) - PEJB-MEAD-GOB <lkhobbs@bpa.gov>
Subject: [EXTERNAL] RE: IS2 Utility EE Activity Summary Report (2).xls

Thanks Dan – really appreciate the info!

Lindsey, look forward to working with you in the near future.

Have a great day.

Sincerely,

Amber Gifford

Communications, Contracts & Conservation Manager

Public Records Officer

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

Tel: 509.447.9328 | Cell: (b)(6)

agifford@popud.org | www.popud.org

From: Villalobos, Daniel P (BPA) - PEJB-MEAD-GOB <dpvillalobos@bpa.gov>
Sent: Thursday, November 18, 2021 9:47 AM
To: Amber Gifford <AGifford@popud.org>
Cc: Hobbs, Lindsey K (BPA) - PEJB-MEAD-GOB <lhobbs@bpa.gov>
Subject: IS2 Utility EE Activity Summary Report (2).xls

CAUTION: This email originated from outside of the POPUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Amber - As requested! Don't forget that the potential for the PNC now Allrise Capital plant is likely pretty much gone (we really don't have anything for server farms) and the big increase in residential last year was for direct mail kits for LEDs which are also gone for the state of Washington so your potential looking forward will likely not align with your historical. - Dan

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[Pend Oreille County Public Utility District #1](#)

Intervals

Selected Meters:
104 Metaline Falls INTCH Out
1364 Box Canyon GENR 1

Total	810,240.00	3,083,740.00
Meter Point Number	104	1364
Version	Current Version	Current Version
Interval Ending	kWh	kWh
11/1/2021 01:00	4,390.00	15,920.00
11/1/2021 02:00	4,590.00	15,980.00
11/1/2021 03:00	4,300.00	15,800.00
11/1/2021 04:00	4,600.00	15,660.00
11/1/2021 05:00	4,800.00	15,540.00
11/1/2021 06:00	4,820.00	15,380.00
11/1/2021 07:00	5,110.00	15,360.00
11/1/2021 08:00	5,300.00	15,320.00
11/1/2021 09:00	5,280.00	15,280.00
11/1/2021 10:00	4,910.00	15,360.00
11/1/2021 11:00	4,560.00	15,300.00
11/1/2021 12:00	4,770.00	15,260.00
11/1/2021 13:00	4,270.00	15,240.00
11/1/2021 14:00	4,300.00	15,180.00
11/1/2021 15:00	4,120.00	15,280.00
11/1/2021 16:00	4,030.00	15,340.00
11/1/2021 17:00	4,410.00	15,500.00
11/1/2021 18:00	4,330.00	15,600.00
11/1/2021 19:00	4,580.00	15,700.00
11/1/2021 20:00	4,570.00	15,880.00
11/1/2021 21:00	4,360.00	15,920.00
11/1/2021 22:00	4,210.00	15,980.00
11/1/2021 23:00	3,990.00	16,020.00
11/2/2021 00:00	4,300.00	16,040.00
11/2/2021 01:00	4,070.00	16,000.00
11/2/2021 02:00	3,970.00	15,960.00

3,161,360.00	3,168,280.00	3,157,400.00
1365	1366	1367
Current Version	Current Version	Current Version
kWh	kWh	kWh
16,220.00	16,080.00	16,100.00
16,280.00	16,140.00	16,140.00
16,160.00	16,420.00	16,040.00
16,100.00	16,320.00	15,980.00
16,040.00	16,260.00	15,960.00
16,140.00	16,120.00	15,980.00
16,080.00	16,060.00	15,920.00
16,020.00	16,040.00	15,860.00
16,020.00	16,040.00	15,880.00
16,080.00	16,060.00	15,900.00
16,040.00	16,060.00	15,880.00
15,760.00	16,000.00	15,860.00
15,700.00	16,000.00	15,860.00
15,660.00	15,800.00	15,820.00
15,720.00	15,740.00	15,880.00
15,780.00	15,800.00	15,920.00
15,880.00	15,900.00	16,040.00
15,980.00	15,980.00	16,160.00
16,080.00	16,040.00	16,240.00
16,180.00	16,140.00	16,360.00
16,280.00	16,200.00	16,280.00
16,360.00	16,240.00	16,320.00
16,400.00	16,300.00	16,340.00
16,400.00	16,260.00	16,320.00
16,360.00	16,240.00	16,300.00
16,300.00	16,080.00	16,240.00

198,300.00	3,406,770.00	62,900.00
1630	1633	1775
Current Version	Current Version	Current Version
kWh	kWh	kWh
1,050.00	7,820.00	300.00
1,050.00	8,330.00	350.00
1,000.00	9,100.00	350.00
1,050.00	10,100.00	350.00
1,050.00	10,170.00	350.00
1,050.00	9,840.00	300.00
1,100.00	9,300.00	350.00
1,050.00	8,320.00	350.00
1,050.00	7,610.00	300.00
1,000.00	7,100.00	350.00
1,000.00	6,670.00	300.00
1,050.00	6,460.00	300.00
1,000.00	6,610.00	300.00
1,000.00	6,880.00	350.00
950.00	7,550.00	300.00
1,000.00	7,920.00	300.00
1,000.00	7,860.00	300.00
1,000.00	7,810.00	300.00
1,000.00	7,360.00	350.00
1,050.00	6,980.00	350.00
1,050.00	6,600.00	300.00
1,000.00	6,520.00	350.00
1,050.00	6,470.00	350.00
1,050.00	6,510.00	350.00
1,050.00	6,620.00	300.00
1,050.00	6,970.00	350.00

7,452,700.00	536,500.00	401,700.00
2049	2050	2125
Current Version	Current Version	Current Version
kWh	kWh	kWh
13,300.00	0.00	0.00
12,500.00	0.00	0.00
12,800.00	0.00	0.00
14,000.00	0.00	0.00
16,700.00	0.00	0.00
25,800.00	0.00	0.00
35,200.00	0.00	1,730.00
36,700.00	0.00	2,910.00
35,000.00	0.00	2,880.00
28,500.00	0.00	0.00
26,000.00	0.00	0.00
24,200.00	0.00	0.00
20,300.00	0.00	0.00
22,800.00	0.00	210.00
26,800.00	0.00	10,990.00
24,400.00	0.00	6,180.00
25,800.00	0.00	6,270.00
31,000.00	0.00	11,940.00
32,500.00	0.00	11,840.00
32,000.00	0.00	11,380.00
21,700.00	0.00	0.00
19,100.00	0.00	0.00
16,100.00	0.00	0.00
12,000.00	0.00	0.00
11,200.00	0.00	0.00
10,600.00	0.00	0.00

1,650,450.00	0.00	6,862,900.00
2126	2278	2279
Current Version	Current Version	Current Version
kWh	kWh	kWh
17,530.00	0.00	23,700.00
19,560.00	0.00	21,500.00
19,540.00	0.00	20,300.00
18,550.00	0.00	20,800.00
16,610.00	0.00	16,200.00
8,210.00	0.00	19,700.00
2,210.00	0.00	24,000.00
2,940.00	0.00	24,300.00
3,730.00	0.00	24,000.00
7,570.00	0.00	20,600.00
8,820.00	0.00	21,500.00
7,820.00	0.00	24,500.00
9,230.00	0.00	25,300.00
500.00	0.00	34,500.00
0.00	0.00	45,600.00
0.00	0.00	42,100.00
0.00	0.00	41,600.00
0.00	0.00	46,300.00
0.00	0.00	44,700.00
10.00	0.00	44,600.00
9,250.00	0.00	26,300.00
7,410.00	0.00	30,300.00
14,640.00	0.00	25,900.00
19,960.00	0.00	21,900.00
20,270.00	0.00	21,400.00
20,660.00	0.00	20,600.00

3,659,900.00	2,500,100.00	
2281	2282	
Current Version	Current Version	
kWh	kWh	
9,800.00	0.00	
9,100.00	0.00	
9,400.00	0.00	
10,000.00	0.00	
16,900.00	0.00	
27,800.00	0.00	
37,200.00	0.00	
37,200.00	0.00	
35,300.00	0.00	
28,300.00	0.00	
26,400.00	0.00	
24,400.00	0.00	
19,800.00	0.00	
23,100.00	0.00	
28,300.00	0.00	
25,500.00	0.00	
26,400.00	0.00	
31,400.00	0.00	
33,800.00	0.00	
33,300.00	0.00	
22,000.00	0.00	
18,300.00	0.00	
14,000.00	0.00	
9,600.00	0.00	
9,500.00	0.00	
9,200.00	0.00	

11/2/2021 03:00	4,320.00	15,800.00
11/2/2021 04:00	4,210.00	15,620.00
11/2/2021 05:00	4,240.00	15,560.00
11/2/2021 06:00	4,250.00	15,360.00
11/2/2021 07:00	4,480.00	15,300.00
11/2/2021 08:00	4,750.00	15,260.00
11/2/2021 09:00	4,930.00	15,220.00
11/2/2021 10:00	4,340.00	15,280.00
11/2/2021 11:00	4,590.00	15,400.00
11/2/2021 12:00	4,420.00	15,500.00
11/2/2021 13:00	4,200.00	15,500.00
11/2/2021 14:00	3,860.00	15,580.00
11/2/2021 15:00	3,610.00	15,580.00
11/2/2021 16:00	4,030.00	15,560.00
11/2/2021 17:00	4,300.00	15,540.00
11/2/2021 18:00	4,180.00	15,540.00
11/2/2021 19:00	4,110.00	15,560.00
11/2/2021 20:00	4,240.00	15,660.00
11/2/2021 21:00	4,050.00	15,720.00
11/2/2021 22:00	4,110.00	15,820.00
11/2/2021 23:00	3,600.00	15,880.00
11/3/2021 00:00	3,460.00	15,860.00
11/3/2021 01:00	3,610.00	15,780.00
11/3/2021 02:00	3,990.00	15,760.00
11/3/2021 03:00	3,870.00	15,700.00
11/3/2021 04:00	3,760.00	15,520.00
11/3/2021 05:00	3,980.00	15,420.00
11/3/2021 06:00	4,120.00	15,280.00
11/3/2021 07:00	4,030.00	15,220.00
11/3/2021 08:00	4,060.00	15,180.00
11/3/2021 09:00	4,240.00	15,260.00
11/3/2021 10:00	4,160.00	15,320.00
11/3/2021 11:00	4,190.00	15,380.00
11/3/2021 12:00	4,230.00	15,440.00
11/3/2021 13:00	3,980.00	15,420.00
11/3/2021 14:00	4,240.00	15,360.00

16,220.00	16,000.00	16,180.00
16,120.00	16,000.00	16,020.00
15,980.00	15,920.00	15,820.00
15,840.00	15,800.00	15,680.00
15,760.00	15,780.00	15,580.00
15,700.00	15,740.00	15,540.00
15,720.00	15,740.00	15,480.00
15,760.00	15,740.00	15,540.00
15,820.00	15,820.00	15,620.00
15,900.00	15,920.00	15,680.00
15,940.00	15,920.00	15,760.00
15,960.00	15,960.00	15,780.00
15,980.00	15,940.00	15,780.00
15,960.00	15,940.00	15,760.00
15,920.00	15,940.00	15,740.00
15,940.00	15,920.00	15,740.00
15,960.00	15,940.00	15,760.00
16,000.00	15,980.00	15,820.00
16,100.00	16,040.00	15,940.00
16,180.00	16,120.00	15,760.00
16,200.00	16,140.00	15,760.00
16,220.00	16,160.00	15,740.00
16,160.00	16,080.00	15,960.00
16,100.00	16,080.00	15,960.00
16,060.00	16,020.00	15,900.00
15,960.00	15,920.00	15,840.00
15,880.00	15,860.00	15,720.00
15,800.00	15,760.00	15,580.00
15,700.00	15,740.00	15,540.00
15,680.00	15,680.00	15,520.00
15,720.00	15,760.00	15,540.00
15,780.00	15,780.00	15,580.00
15,840.00	15,840.00	15,640.00
15,820.00	15,860.00	15,640.00
15,820.00	15,840.00	15,660.00
15,800.00	15,800.00	15,580.00

1,050.00	7,460.00	350.00
1,050.00	8,130.00	350.00
1,050.00	8,250.00	350.00
1,000.00	7,990.00	300.00
1,050.00	7,710.00	350.00
1,050.00	7,410.00	350.00
1,000.00	7,160.00	300.00
1,000.00	6,910.00	300.00
1,050.00	6,740.00	300.00
1,000.00	6,410.00	300.00
1,050.00	6,610.00	300.00
1,000.00	6,830.00	300.00
1,000.00	7,350.00	300.00
1,000.00	7,640.00	350.00
1,000.00	7,520.00	300.00
1,050.00	7,150.00	300.00
1,000.00	6,930.00	350.00
1,000.00	6,440.00	300.00
1,050.00	6,160.00	350.00
1,000.00	5,950.00	300.00
1,050.00	5,890.00	350.00
1,050.00	5,970.00	350.00
1,000.00	6,080.00	300.00
1,050.00	6,270.00	350.00
1,050.00	6,800.00	300.00
1,050.00	7,370.00	350.00
1,000.00	7,490.00	300.00
1,050.00	7,290.00	350.00
1,050.00	7,210.00	350.00
1,000.00	6,990.00	300.00
1,000.00	6,550.00	300.00
1,050.00	6,190.00	350.00
1,000.00	6,000.00	300.00
1,000.00	5,860.00	300.00
1,000.00	6,130.00	300.00
1,000.00	6,540.00	300.00

11,400.00	0.00	0.00
11,500.00	0.00	0.00
13,600.00	0.00	0.00
24,300.00	0.00	0.00
27,200.00	0.00	0.00
33,800.00	0.00	2,390.00
34,600.00	0.00	5,050.00
33,900.00	0.00	6,250.00
30,600.00	0.00	3,450.00
26,600.00	0.00	20.00
24,100.00	0.00	0.00
22,800.00	0.00	0.00
22,700.00	0.00	0.00
22,200.00	0.00	0.00
26,000.00	0.00	10.00
30,800.00	0.00	3,990.00
34,700.00	0.00	9,830.00
34,200.00	0.00	10,370.00
26,200.00	0.00	30.00
23,500.00	0.00	0.00
16,600.00	0.00	0.00
12,700.00	0.00	0.00
14,200.00	0.00	0.00
11,800.00	0.00	0.00
10,800.00	0.00	0.00
9,500.00	0.00	0.00
11,200.00	0.00	0.00
20,500.00	0.00	0.00
29,300.00	0.00	770.00
30,600.00	0.00	3,740.00
29,300.00	0.00	3,580.00
27,400.00	0.00	1,620.00
21,800.00	0.00	0.00
21,900.00	0.00	0.00
19,800.00	0.00	0.00
19,500.00	0.00	0.00

20,930.00	0.00	19,300.00
20,330.00	0.00	19,500.00
17,790.00	0.00	20,800.00
3,820.00	0.00	30,700.00
5,230.00	0.00	28,400.00
10.00	0.00	33,200.00
0.00	0.00	35,900.00
0.00	0.00	37,600.00
0.00	0.00	37,300.00
1,370.00	0.00	34,700.00
7,040.00	0.00	30,000.00
8,500.00	0.00	29,400.00
8,100.00	0.00	29,200.00
7,860.00	0.00	29,900.00
1,800.00	0.00	35,400.00
0.00	0.00	40,200.00
0.00	0.00	45,000.00
0.00	0.00	46,000.00
4,810.00	0.00	33,000.00
5,070.00	0.00	34,900.00
14,080.00	0.00	27,400.00
15,140.00	0.00	28,100.00
11,610.00	0.00	31,000.00
16,870.00	0.00	25,600.00
17,170.00	0.00	25,800.00
17,720.00	0.00	25,900.00
16,980.00	0.00	24,800.00
6,940.00	0.00	30,000.00
230.00	0.00	34,400.00
0.00	0.00	38,100.00
970.00	0.00	37,700.00
2,220.00	0.00	35,200.00
11,880.00	0.00	25,600.00
10,380.00	0.00	26,600.00
13,060.00	0.00	25,100.00
10,240.00	0.00	28,800.00

10,400.00	0.00	
10,100.00	0.00	
11,900.00	0.00	
23,400.00	0.00	
24,300.00	0.00	
32,400.00	0.00	
33,600.00	0.00	
33,900.00	0.00	
29,300.00	0.00	
24,500.00	0.00	
22,300.00	0.00	
21,100.00	0.00	
22,300.00	0.00	
21,800.00	0.00	
25,600.00	0.00	
29,900.00	0.00	
33,500.00	0.00	
33,300.00	0.00	
24,500.00	0.00	
20,900.00	0.00	
14,300.00	0.00	
10,200.00	0.00	
13,000.00	0.00	
11,200.00	0.00	
9,300.00	0.00	
6,600.00	0.00	
8,900.00	0.00	
20,200.00	0.00	
28,700.00	0.00	
28,700.00	0.00	
27,300.00	0.00	
25,600.00	0.00	
19,800.00	0.00	
20,700.00	0.00	
18,700.00	0.00	
17,600.00	0.00	

11/3/2021 15:00	4,090.00	15,300.00
11/3/2021 16:00	3,930.00	15,340.00
11/3/2021 17:00	3,970.00	15,360.00
11/3/2021 18:00	4,250.00	15,480.00
11/3/2021 19:00	3,580.00	15,560.00
11/3/2021 20:00	3,560.00	15,920.00
11/3/2021 21:00	3,950.00	16,140.00
11/3/2021 22:00	3,850.00	16,240.00
11/3/2021 23:00	3,880.00	16,060.00
11/4/2021 00:00	3,740.00	16,080.00
11/4/2021 01:00	3,470.00	16,160.00
11/4/2021 02:00	3,570.00	16,200.00
11/4/2021 03:00	3,560.00	16,220.00
11/4/2021 04:00	3,380.00	16,200.00
11/4/2021 05:00	3,580.00	16,120.00
11/4/2021 06:00	4,020.00	16,080.00
11/4/2021 07:00	4,110.00	16,000.00
11/4/2021 08:00	4,250.00	15,920.00
11/4/2021 09:00	4,300.00	15,900.00
11/4/2021 10:00	4,150.00	15,980.00
11/4/2021 11:00	3,870.00	16,080.00
11/4/2021 12:00	3,990.00	16,260.00
11/4/2021 13:00	4,010.00	16,620.00
11/4/2021 14:00	3,720.00	16,640.00
11/4/2021 15:00	3,690.00	16,720.00
11/4/2021 16:00	4,170.00	16,640.00
11/4/2021 17:00	4,020.00	16,660.00
11/4/2021 18:00	3,910.00	16,640.00
11/4/2021 19:00	4,090.00	16,580.00
11/4/2021 20:00	3,580.00	16,580.00
11/4/2021 21:00	3,810.00	16,520.00
11/4/2021 22:00	3,640.00	16,440.00
11/4/2021 23:00	3,420.00	16,500.00
11/5/2021 00:00	3,660.00	16,380.00
11/5/2021 01:00	3,630.00	16,320.00
11/5/2021 02:00	3,440.00	16,220.00

15,740.00	15,760.00	15,520.00
15,760.00	15,760.00	15,520.00
15,800.00	15,800.00	15,560.00
15,840.00	15,860.00	15,640.00
15,940.00	15,960.00	15,740.00
16,020.00	16,020.00	15,860.00
16,180.00	16,120.00	16,000.00
16,240.00	16,160.00	16,100.00
16,380.00	16,260.00	16,260.00
16,440.00	16,340.00	16,340.00
16,480.00	16,360.00	16,380.00
16,540.00	16,420.00	16,160.00
16,540.00	16,420.00	16,180.00
16,520.00	16,380.00	16,220.00
16,480.00	16,360.00	16,360.00
16,440.00	16,300.00	16,320.00
16,400.00	16,280.00	16,240.00
16,340.00	16,220.00	16,220.00
16,360.00	16,260.00	16,220.00
16,400.00	16,280.00	16,240.00
16,440.00	16,320.00	16,340.00
16,480.00	16,360.00	16,440.00
16,540.00	16,420.00	16,800.00
16,640.00	16,480.00	16,860.00
16,660.00	16,500.00	16,920.00
16,640.00	16,860.00	16,980.00
17,000.00	16,860.00	16,940.00
16,960.00	16,820.00	16,920.00
16,940.00	16,800.00	16,900.00
16,940.00	16,800.00	16,900.00
16,880.00	16,760.00	16,840.00
16,880.00	16,740.00	16,820.00
16,860.00	16,740.00	16,820.00
16,780.00	16,980.00	16,960.00
16,720.00	16,940.00	16,920.00
16,640.00	16,860.00	16,860.00

1,000.00	6,840.00	350.00
1,000.00	6,990.00	300.00
1,000.00	6,780.00	300.00
1,000.00	6,550.00	300.00
1,000.00	6,240.00	350.00
1,000.00	5,960.00	300.00
1,000.00	5,710.00	350.00
1,000.00	5,530.00	300.00
1,050.00	5,540.00	350.00
1,000.00	5,510.00	300.00
1,000.00	3,960.00	350.00
1,050.00	0.00	300.00
1,000.00	0.00	350.00
1,000.00	1,690.00	300.00
1,050.00	5,890.00	350.00
1,000.00	6,410.00	300.00
1,000.00	6,840.00	350.00
1,000.00	6,920.00	300.00
1,000.00	6,870.00	350.00
1,000.00	6,850.00	300.00
1,000.00	6,760.00	300.00
1,000.00	6,580.00	300.00
1,000.00	6,250.00	300.00
1,000.00	6,080.00	350.00
1,000.00	6,150.00	300.00
1,000.00	6,310.00	300.00
1,000.00	6,370.00	350.00
1,050.00	6,730.00	300.00
1,000.00	6,860.00	300.00
1,000.00	6,590.00	350.00
1,000.00	6,220.00	300.00
1,000.00	6,000.00	350.00
1,000.00	5,660.00	350.00
1,050.00	5,440.00	300.00
1,000.00	5,390.00	350.00
1,000.00	5,430.00	300.00

24,700.00	0.00	2,440.00
24,100.00	0.00	2,280.00
27,700.00	0.00	8,060.00
30,300.00	0.00	9,000.00
35,000.00	0.00	14,980.00
32,500.00	0.00	10,480.00
30,200.00	0.00	7,510.00
24,400.00	0.00	2,200.00
20,300.00	0.00	480.00
18,800.00	0.00	2,250.00
9,700.00	0.00	0.00
11,100.00	0.00	0.00
10,800.00	0.00	0.00
11,500.00	0.00	0.00
11,900.00	0.00	0.00
16,500.00	0.00	0.00
25,700.00	0.00	640.00
31,000.00	0.00	5,990.00
31,500.00	0.00	7,550.00
31,300.00	0.00	6,050.00
32,700.00	0.00	13,400.00
32,400.00	0.00	13,610.00
24,200.00	0.00	10.00
19,000.00	0.00	0.00
20,700.00	0.00	0.00
21,200.00	0.00	0.00
20,100.00	0.00	0.00
21,600.00	0.00	0.00
23,500.00	0.00	0.00
19,400.00	0.00	0.00
17,400.00	0.00	0.00
12,300.00	0.00	0.00
8,900.00	0.00	0.00
5,200.00	0.00	0.00
3,300.00	0.00	0.00
3,000.00	0.00	0.00

30.00	0.00	40,500.00
0.00	0.00	40,600.00
0.00	0.00	45,900.00
0.00	0.00	46,700.00
0.00	0.00	51,000.00
0.00	0.00	47,100.00
0.00	0.00	46,200.00
360.00	0.00	43,000.00
1,060.00	0.00	42,800.00
4,630.00	0.00	40,000.00
14,020.00	0.00	31,700.00
12,220.00	0.00	32,300.00
12,670.00	0.00	31,800.00
12,970.00	0.00	30,800.00
15,320.00	0.00	27,200.00
15,790.00	0.00	23,000.00
6,540.00	0.00	29,900.00
0.00	0.00	42,200.00
0.00	0.00	44,700.00
90.00	0.00	43,000.00
10.00	0.00	51,200.00
0.00	0.00	52,000.00
2,630.00	0.00	37,600.00
14,950.00	0.00	25,500.00
13,830.00	0.00	26,200.00
11,760.00	0.00	28,900.00
13,720.00	0.00	26,300.00
12,090.00	0.00	28,100.00
8,080.00	0.00	32,600.00
14,280.00	0.00	29,000.00
15,020.00	0.00	30,100.00
18,260.00	0.00	29,200.00
20,150.00	0.00	29,300.00
22,540.00	0.00	29,200.00
22,620.00	0.00	30,100.00
22,410.00	0.00	31,100.00

23,900.00	0.00	
23,300.00	0.00	
26,200.00	0.00	
28,300.00	0.00	
34,300.00	0.00	
33,000.00	0.00	
29,700.00	0.00	
23,100.00	0.00	
18,600.00	0.00	
19,400.00	0.00	
8,500.00	0.00	
11,200.00	0.00	
10,900.00	0.00	
11,900.00	0.00	
12,700.00	0.00	
18,600.00	0.00	
27,700.00	0.00	
31,500.00	0.00	
30,500.00	0.00	
31,200.00	0.00	
32,100.00	0.00	
31,700.00	0.00	
24,000.00	0.00	
19,700.00	0.00	
22,300.00	0.00	
22,700.00	0.00	
22,200.00	0.00	
23,500.00	0.00	
24,700.00	0.00	
18,800.00	0.00	
15,300.00	0.00	
8,900.00	0.00	
4,600.00	0.00	
600.00	200.00	
0.00	2,400.00	
0.00	3,600.00	

11/5/2021 03:00	3,510.00	16,140.00
11/5/2021 04:00	3,410.00	15,960.00
11/5/2021 05:00	3,420.00	15,800.00
11/5/2021 06:00	3,670.00	15,680.00
11/5/2021 07:00	3,890.00	15,540.00
11/5/2021 08:00	3,820.00	15,520.00
11/5/2021 09:00	3,690.00	15,500.00
11/5/2021 10:00	4,250.00	15,520.00
11/5/2021 11:00	3,920.00	15,600.00
11/5/2021 12:00	3,740.00	15,580.00
11/5/2021 13:00	3,680.00	15,520.00
11/5/2021 14:00	3,740.00	15,360.00
11/5/2021 15:00	4,000.00	15,360.00
11/5/2021 16:00	4,080.00	15,360.00
11/5/2021 17:00	3,770.00	15,420.00
11/5/2021 18:00	4,220.00	15,380.00
11/5/2021 19:00	4,010.00	15,360.00
11/5/2021 20:00	3,820.00	15,500.00
11/5/2021 21:00	3,830.00	15,620.00
11/5/2021 22:00	3,660.00	15,800.00
11/5/2021 23:00	3,790.00	16,000.00
11/6/2021 00:00	3,760.00	16,100.00
11/6/2021 01:00	3,770.00	16,200.00
11/6/2021 02:00	3,920.00	16,280.00
11/6/2021 03:00	3,700.00	16,020.00
11/6/2021 04:00	3,540.00	15,960.00
11/6/2021 05:00	3,750.00	15,960.00
11/6/2021 06:00	3,630.00	15,820.00
11/6/2021 07:00	4,010.00	15,780.00
11/6/2021 08:00	4,080.00	15,640.00
11/6/2021 09:00	4,280.00	15,560.00
11/6/2021 10:00	4,390.00	15,640.00
11/6/2021 11:00	4,120.00	15,640.00
11/6/2021 12:00	3,940.00	15,760.00
11/6/2021 13:00	4,040.00	15,820.00
11/6/2021 14:00	3,820.00	15,880.00

16,540.00	16,780.00	16,760.00
16,420.00	16,660.00	16,660.00
16,300.00	16,580.00	16,560.00
16,160.00	16,460.00	16,360.00
16,080.00	16,380.00	16,300.00
15,980.00	16,300.00	16,220.00
16,000.00	16,320.00	16,200.00
16,040.00	16,360.00	16,220.00
16,060.00	16,380.00	16,260.00
16,000.00	16,320.00	16,240.00
15,960.00	16,300.00	16,160.00
15,840.00	16,200.00	16,100.00
15,840.00	16,200.00	16,020.00
15,800.00	16,180.00	16,060.00
15,860.00	16,220.00	16,040.00
15,840.00	16,200.00	16,060.00
15,840.00	16,020.00	16,080.00
15,920.00	15,960.00	16,160.00
16,000.00	16,040.00	15,940.00
16,140.00	16,140.00	16,040.00
16,100.00	16,280.00	16,200.00
16,180.00	16,360.00	16,300.00
16,300.00	16,500.00	16,460.00
16,380.00	16,440.00	16,320.00
16,420.00	16,180.00	15,960.00
16,380.00	16,140.00	15,940.00
16,400.00	16,140.00	15,900.00
16,300.00	16,080.00	15,880.00
16,220.00	15,900.00	15,720.00
16,140.00	15,800.00	15,560.00
16,100.00	15,800.00	15,700.00
16,080.00	15,860.00	15,820.00
16,160.00	15,880.00	16,140.00
16,200.00	15,940.00	16,320.00
16,240.00	16,000.00	16,400.00
16,320.00	16,040.00	16,440.00

1,000.00	5,590.00	350.00
1,050.00	5,750.00	300.00
1,000.00	6,110.00	350.00
1,000.00	6,660.00	300.00
1,050.00	7,400.00	350.00
1,000.00	7,810.00	300.00
1,000.00	7,900.00	300.00
1,000.00	7,610.00	350.00
1,000.00	7,130.00	300.00
1,000.00	6,780.00	300.00
950.00	6,670.00	300.00
1,000.00	6,710.00	300.00
1,000.00	6,670.00	350.00
1,000.00	6,890.00	300.00
1,000.00	7,010.00	300.00
1,000.00	7,220.00	350.00
1,000.00	7,190.00	300.00
1,000.00	7,020.00	350.00
1,000.00	6,740.00	300.00
1,000.00	6,470.00	300.00
1,000.00	6,240.00	350.00
1,000.00	6,000.00	300.00
1,000.00	5,850.00	350.00
1,050.00	5,810.00	350.00
1,000.00	5,860.00	300.00
1,050.00	5,930.00	350.00
1,050.00	6,210.00	300.00
1,050.00	6,700.00	350.00
1,000.00	7,280.00	350.00
1,050.00	7,770.00	300.00
1,000.00	8,150.00	350.00
1,000.00	7,970.00	300.00
1,000.00	7,800.00	300.00
1,000.00	7,560.00	300.00
1,050.00	7,420.00	350.00
1,000.00	7,400.00	300.00

2,700.00	0.00	0.00
3,900.00	0.00	0.00
6,000.00	0.00	0.00
12,900.00	0.00	0.00
20,100.00	0.00	0.00
25,700.00	0.00	1,350.00
26,000.00	0.00	2,850.00
18,500.00	0.00	0.00
16,700.00	0.00	0.00
13,700.00	0.00	0.00
13,100.00	0.00	0.00
17,700.00	0.00	0.00
19,700.00	0.00	0.00
19,700.00	0.00	0.00
16,700.00	0.00	0.00
25,100.00	0.00	4,140.00
21,800.00	0.00	2,480.00
24,500.00	0.00	10,560.00
26,800.00	0.00	15,200.00
23,000.00	0.00	11,150.00
19,500.00	0.00	10,280.00
16,100.00	0.00	2,840.00
4,100.00	0.00	0.00
5,100.00	0.00	0.00
12,300.00	0.00	0.00
10,200.00	0.00	0.00
8,600.00	0.00	0.00
11,700.00	0.00	0.00
16,000.00	0.00	0.00
28,600.00	0.00	3,100.00
31,300.00	0.00	7,280.00
29,400.00	0.00	7,120.00
21,400.00	0.00	0.00
21,100.00	0.00	0.00
21,700.00	0.00	0.00
22,300.00	0.00	0.00

23,410.00	0.00	30,300.00
22,010.00	0.00	31,000.00
19,960.00	0.00	32,600.00
11,070.00	0.00	39,100.00
6,050.00	0.00	40,500.00
550.00	0.00	45,400.00
90.00	0.00	47,300.00
11,100.00	0.00	36,400.00
13,850.00	0.00	34,600.00
15,760.00	0.00	33,900.00
15,630.00	0.00	32,400.00
6,860.00	0.00	38,300.00
3,490.00	0.00	41,300.00
3,670.00	0.00	40,500.00
10,550.00	0.00	34,200.00
390.00	0.00	46,300.00
0.00	0.00	47,800.00
0.00	0.00	56,100.00
0.00	0.00	60,500.00
0.00	0.00	58,900.00
0.00	0.00	64,100.00
290.00	0.00	57,200.00
24,330.00	0.00	32,500.00
24,580.00	0.00	30,800.00
9,540.00	0.00	43,200.00
15,800.00	0.00	36,600.00
21,410.00	0.00	30,000.00
19,250.00	0.00	30,300.00
17,480.00	0.00	29,800.00
20.00	0.00	46,400.00
70.00	0.00	49,200.00
50.00	0.00	51,500.00
3,610.00	0.00	45,500.00
2,760.00	0.00	46,200.00
4,290.00	0.00	42,800.00
4,990.00	0.00	40,400.00

0.00	4,900.00	
0.00	4,200.00	
0.00	2,800.00	
3,900.00	0.00	
11,900.00	0.00	
17,500.00	0.00	
17,100.00	0.00	
7,800.00	0.00	
6,400.00	0.00	
2,700.00	0.00	
3,800.00	0.00	
10,900.00	0.00	
13,100.00	0.00	
13,200.00	0.00	
9,400.00	0.00	
19,100.00	0.00	
12,700.00	0.00	
16,000.00	0.00	
19,300.00	0.00	
14,600.00	0.00	
6,600.00	0.00	
3,500.00	0.00	
0.00	9,100.00	
0.00	6,600.00	
1,900.00	0.00	
800.00	1,000.00	
0.00	1,300.00	
2,100.00	0.00	
6,200.00	0.00	
20,300.00	0.00	
23,100.00	0.00	
19,200.00	0.00	
8,400.00	0.00	
9,100.00	0.00	
12,300.00	0.00	
14,800.00	0.00	

11/6/2021 15:00	4,110.00	15,920.00
11/6/2021 16:00	3,870.00	15,940.00
11/6/2021 17:00	4,330.00	15,940.00
11/6/2021 18:00	4,270.00	15,960.00
11/6/2021 19:00	4,220.00	16,000.00
11/6/2021 20:00	4,070.00	16,060.00
11/6/2021 21:00	4,120.00	16,120.00
11/6/2021 22:00	3,680.00	16,220.00
11/6/2021 23:00	3,840.00	16,240.00
11/7/2021 00:00	3,640.00	16,220.00
11/7/2021 01:00	3,830.00	16,220.00
11/7/2021 02:00	3,730.00	16,200.00
11/7/2021 02:00	4,070.00	16,240.00
11/7/2021 03:00	3,870.00	16,160.00
11/7/2021 04:00	3,830.00	16,100.00
11/7/2021 05:00	3,900.00	16,020.00
11/7/2021 06:00	3,990.00	15,940.00
11/7/2021 07:00	4,400.00	15,820.00
11/7/2021 08:00	4,320.00	15,840.00
11/7/2021 09:00	4,210.00	15,780.00
11/7/2021 10:00	4,110.00	15,760.00
11/7/2021 11:00	4,260.00	15,700.00
11/7/2021 12:00	4,480.00	15,960.00
11/7/2021 13:00	4,230.00	16,040.00
11/7/2021 14:00	4,000.00	16,060.00
11/7/2021 15:00	4,060.00	16,000.00
11/7/2021 16:00	4,050.00	15,940.00
11/7/2021 17:00	4,170.00	15,880.00
11/7/2021 18:00	4,210.00	15,840.00
11/7/2021 19:00	4,310.00	15,780.00
11/7/2021 20:00	4,250.00	15,820.00
11/7/2021 21:00	4,340.00	15,900.00
11/7/2021 22:00	4,140.00	15,920.00
11/7/2021 23:00	3,810.00	15,900.00
11/8/2021 00:00	3,730.00	15,920.00
11/8/2021 01:00	3,790.00	15,840.00

16,320.00	16,060.00	16,560.00
16,320.00	16,140.00	16,520.00
16,340.00	16,160.00	16,560.00
16,360.00	16,140.00	16,560.00
16,360.00	16,180.00	16,580.00
16,440.00	16,220.00	16,620.00
16,500.00	16,280.00	16,680.00
16,560.00	16,380.00	16,840.00
16,600.00	16,460.00	16,860.00
16,620.00	16,820.00	16,900.00
16,620.00	16,880.00	16,860.00
16,620.00	16,860.00	16,880.00
16,600.00	16,840.00	16,860.00
16,540.00	16,820.00	16,800.00
16,500.00	16,760.00	16,740.00
16,440.00	16,700.00	16,700.00
16,360.00	16,620.00	16,600.00
16,280.00	16,560.00	16,540.00
16,300.00	16,560.00	16,480.00
16,320.00	16,540.00	16,440.00
16,440.00	16,520.00	16,400.00
16,420.00	16,480.00	16,380.00
16,420.00	16,580.00	16,380.00
16,400.00	16,620.00	16,340.00
16,360.00	16,580.00	16,300.00
16,300.00	16,540.00	16,260.00
16,300.00	16,540.00	16,140.00
16,240.00	16,460.00	16,100.00
16,200.00	16,440.00	16,060.00
16,180.00	16,440.00	16,040.00
16,200.00	16,420.00	16,060.00
16,260.00	16,500.00	16,080.00
16,460.00	16,540.00	16,440.00
16,580.00	16,540.00	16,500.00
16,560.00	16,520.00	16,480.00
16,500.00	16,480.00	16,460.00

950.00	7,170.00	300.00
1,000.00	7,090.00	300.00
1,000.00	7,410.00	350.00
1,000.00	7,680.00	300.00
1,000.00	7,800.00	350.00
1,000.00	7,560.00	300.00
1,050.00	7,330.00	300.00
1,000.00	7,190.00	350.00
1,000.00	6,970.00	350.00
1,050.00	6,770.00	300.00
1,000.00	6,690.00	350.00
1,050.00	6,670.00	300.00
1,050.00	6,760.00	350.00
1,000.00	6,750.00	350.00
1,050.00	7,040.00	300.00
1,050.00	7,230.00	350.00
1,000.00	7,620.00	300.00
1,050.00	8,200.00	350.00
1,000.00	8,710.00	300.00
1,000.00	8,720.00	350.00
1,050.00	8,560.00	300.00
1,000.00	8,270.00	300.00
1,000.00	7,740.00	300.00
1,000.00	7,470.00	350.00
1,000.00	7,530.00	300.00
1,000.00	7,570.00	300.00
1,000.00	7,620.00	350.00
1,000.00	7,980.00	300.00
1,050.00	8,140.00	350.00
1,000.00	8,040.00	300.00
1,000.00	7,840.00	350.00
1,000.00	7,490.00	300.00
1,050.00	7,010.00	350.00
1,000.00	6,620.00	300.00
1,050.00	6,410.00	350.00
1,050.00	6,350.00	300.00

23,900.00	0.00	0.00
22,800.00	0.00	0.00
25,400.00	0.00	30.00
31,100.00	0.00	7,900.00
31,900.00	0.00	8,890.00
29,700.00	0.00	9,360.00
28,000.00	0.00	5,610.00
22,100.00	0.00	0.00
16,200.00	0.00	0.00
12,000.00	0.00	0.00
10,100.00	0.00	0.00
8,000.00	0.00	0.00
7,600.00	0.00	0.00
7,500.00	0.00	0.00
8,100.00	0.00	0.00
9,100.00	0.00	0.00
19,800.00	0.00	0.00
21,600.00	0.00	0.00
17,800.00	0.00	0.00
24,200.00	0.00	0.00
24,400.00	0.00	0.00
24,600.00	0.00	0.00
21,500.00	0.00	0.00
18,900.00	0.00	0.00
20,400.00	0.00	0.00
20,200.00	0.00	0.00
20,300.00	0.00	0.00
18,900.00	0.00	0.00
19,000.00	0.00	0.00
24,000.00	0.00	40.00
26,700.00	0.00	5,600.00
21,800.00	0.00	20.00
19,000.00	0.00	0.00
14,100.00	0.00	0.00
12,200.00	0.00	0.00
10,000.00	0.00	0.00

3,410.00	0.00	40,400.00
5,700.00	0.00	38,500.00
1,390.00	0.00	42,100.00
0.00	0.00	50,800.00
0.00	0.00	51,800.00
0.00	0.00	54,200.00
0.00	0.00	50,400.00
2,750.00	0.00	44,100.00
9,370.00	0.00	38,800.00
13,810.00	0.00	32,600.00
15,830.00	0.00	31,100.00
20,820.00	0.00	27,000.00
21,310.00	0.00	26,300.00
20,800.00	0.00	27,100.00
21,050.00	0.00	25,900.00
21,680.00	0.00	23,100.00
2,850.00	0.00	39,200.00
3,800.00	0.00	36,500.00
16,340.00	0.00	23,500.00
6,340.00	0.00	31,100.00
4,020.00	0.00	33,800.00
3,500.00	0.00	33,500.00
8,360.00	0.00	29,500.00
12,770.00	0.00	26,400.00
8,630.00	0.00	30,400.00
9,510.00	0.00	29,900.00
10,830.00	0.00	29,300.00
9,900.00	0.00	33,100.00
9,860.00	0.00	34,100.00
1,560.00	0.00	40,200.00
0.00	0.00	46,100.00
1,100.00	0.00	41,200.00
3,200.00	0.00	40,700.00
10,800.00	0.00	34,400.00
15,680.00	0.00	28,600.00
18,690.00	0.00	26,200.00

18,700.00	0.00	
17,300.00	0.00	
20,400.00	0.00	
25,800.00	0.00	
26,100.00	0.00	
22,800.00	0.00	
22,100.00	0.00	
15,400.00	0.00	
9,300.00	0.00	
8,100.00	0.00	
6,000.00	0.00	
3,200.00	0.00	
3,100.00	0.00	
2,600.00	0.00	
3,100.00	0.00	
5,600.00	0.00	
16,700.00	0.00	
18,200.00	0.00	
14,100.00	0.00	
21,700.00	0.00	
21,900.00	0.00	
23,700.00	0.00	
21,600.00	0.00	
18,700.00	0.00	
20,200.00	0.00	
19,500.00	0.00	
18,600.00	0.00	
13,200.00	0.00	
12,000.00	0.00	
19,000.00	0.00	
22,800.00	0.00	
17,400.00	0.00	
15,000.00	0.00	
10,200.00	0.00	
10,000.00	0.00	
7,400.00	0.00	

11/8/2021 02:00	3,670.00	15,740.00
11/8/2021 03:00	3,850.00	15,420.00
11/8/2021 04:00	3,910.00	15,460.00
11/8/2021 05:00	4,210.00	15,380.00
11/8/2021 06:00	4,400.00	15,260.00
11/8/2021 07:00	4,650.00	15,260.00
11/8/2021 08:00	4,350.00	15,280.00
11/8/2021 09:00	4,430.00	15,340.00
11/8/2021 10:00	4,210.00	15,500.00
11/8/2021 11:00	4,020.00	15,540.00
11/8/2021 12:00	4,100.00	15,680.00
11/8/2021 13:00	4,140.00	15,760.00
11/8/2021 14:00	4,060.00	15,760.00
11/8/2021 15:00	4,030.00	15,820.00
11/8/2021 16:00	4,140.00	15,840.00
11/8/2021 17:00	4,390.00	15,980.00
11/8/2021 18:00	3,970.00	16,000.00
11/8/2021 19:00	4,400.00	16,120.00
11/8/2021 20:00	4,290.00	16,520.00
11/8/2021 21:00	4,170.00	16,580.00
11/8/2021 22:00	3,980.00	16,560.00
11/8/2021 23:00	4,260.00	16,640.00
11/9/2021 00:00	4,320.00	16,620.00
11/9/2021 01:00	4,020.00	16,520.00
11/9/2021 02:00	4,010.00	16,380.00
11/9/2021 03:00	3,870.00	0.00
11/9/2021 04:00	4,080.00	0.00
11/9/2021 05:00	4,090.00	0.00
11/9/2021 06:00	4,610.00	0.00
11/9/2021 07:00	1,180.00	0.00
11/9/2021 08:00	0.00	0.00
11/9/2021 09:00	0.00	0.00
11/9/2021 10:00	0.00	0.00
11/9/2021 11:00	0.00	0.00
11/9/2021 12:00	0.00	0.00
11/9/2021 13:00	0.00	0.00

16,420.00	16,400.00	16,380.00
16,140.00	16,160.00	16,120.00
16,220.00	16,220.00	16,140.00
16,120.00	16,140.00	16,080.00
16,040.00	16,080.00	15,980.00
16,000.00	16,040.00	15,920.00
15,940.00	16,020.00	15,940.00
15,820.00	16,120.00	15,980.00
15,880.00	16,200.00	16,060.00
15,980.00	16,260.00	16,140.00
16,040.00	16,220.00	16,180.00
16,100.00	16,200.00	16,260.00
16,120.00	16,260.00	16,300.00
16,160.00	16,260.00	16,400.00
16,200.00	16,320.00	16,200.00
16,280.00	16,360.00	16,220.00
16,320.00	16,380.00	16,260.00
16,400.00	16,460.00	16,360.00
16,460.00	16,740.00	16,360.00
16,540.00	16,780.00	16,700.00
16,560.00	16,800.00	16,740.00
16,580.00	16,820.00	16,800.00
16,580.00	16,760.00	16,860.00
16,500.00	16,740.00	16,800.00
16,440.00	16,660.00	16,700.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1,050.00	6,390.00	350.00
1,000.00	6,520.00	350.00
1,050.00	6,810.00	300.00
1,050.00	7,270.00	350.00
1,000.00	7,830.00	350.00
1,050.00	8,690.00	300.00
1,000.00	8,800.00	350.00
1,000.00	8,400.00	300.00
1,000.00	8,210.00	300.00
1,000.00	7,780.00	350.00
1,000.00	7,100.00	300.00
1,050.00	6,560.00	300.00
950.00	6,350.00	300.00
1,000.00	6,430.00	300.00
1,050.00	6,720.00	300.00
1,000.00	7,460.00	350.00
1,000.00	8,090.00	300.00
1,000.00	8,260.00	350.00
1,050.00	8,140.00	350.00
1,050.00	7,980.00	300.00
1,050.00	7,720.00	350.00
1,000.00	7,430.00	350.00
1,050.00	7,250.00	300.00
1,050.00	7,280.00	350.00
1,050.00	7,320.00	350.00
0.00	7,310.00	0.00
0.00	7,670.00	0.00
0.00	7,750.00	0.00
0.00	8,200.00	0.00
0.00	8,850.00	0.00
0.00	8,950.00	0.00
0.00	8,680.00	0.00
0.00	8,510.00	0.00
0.00	8,400.00	0.00
0.00	8,280.00	0.00
0.00	8,100.00	0.00

10,100.00	0.00	0.00
10,200.00	0.00	0.00
19,600.00	0.00	80.00
15,300.00	0.00	0.00
24,400.00	0.00	0.00
31,000.00	0.00	2,720.00
32,700.00	0.00	10,820.00
29,600.00	0.00	4,220.00
26,600.00	0.00	1,310.00
23,700.00	0.00	0.00
20,800.00	0.00	0.00
20,700.00	0.00	0.00
22,700.00	0.00	1,850.00
22,500.00	0.00	2,350.00
26,000.00	0.00	5,910.00
29,800.00	0.00	9,740.00
29,700.00	0.00	8,600.00
31,000.00	0.00	9,690.00
28,000.00	0.00	1,660.00
24,500.00	0.00	10.00
17,300.00	0.00	0.00
11,200.00	0.00	0.00
11,100.00	0.00	0.00
11,000.00	0.00	0.00
10,100.00	0.00	0.00
8,500.00	0.00	0.00
21,900.00	0.00	2,580.00
19,200.00	0.00	0.00
19,900.00	0.00	0.00
19,000.00	0.00	0.00
23,200.00	0.00	0.00
23,200.00	0.00	0.00
22,700.00	0.00	0.00
19,500.00	0.00	0.00
21,100.00	0.00	0.00
19,600.00	0.00	0.00

7,200.00	0.00	
7,000.00	0.00	
17,300.00	0.00	
10,300.00	0.00	
17,600.00	0.00	
24,800.00	0.00	
23,900.00	0.00	
20,800.00	0.00	
18,200.00	0.00	
14,600.00	0.00	
11,800.00	0.00	
13,700.00	0.00	
16,800.00	0.00	
17,400.00	0.00	
21,800.00	0.00	
24,400.00	0.00	
22,900.00	0.00	
24,700.00	0.00	
22,200.00	0.00	
18,800.00	0.00	
10,800.00	0.00	
5,400.00	0.00	
6,800.00	0.00	
7,600.00	0.00	
6,400.00	0.00	
1,800.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
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0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	

11/9/2021 14:00	0.00	0.00
11/9/2021 15:00	0.00	0.00
11/9/2021 16:00	0.00	0.00
11/9/2021 17:00	0.00	0.00
11/9/2021 18:00	0.00	0.00
11/9/2021 19:00	0.00	0.00
11/9/2021 20:00	0.00	0.00
11/9/2021 21:00	0.00	0.00
11/9/2021 22:00	0.00	0.00
11/9/2021 23:00	0.00	0.00
11/10/2021 00:00	0.00	0.00
11/10/2021 01:00	0.00	0.00
11/10/2021 02:00	0.00	0.00
11/10/2021 03:00	0.00	0.00
11/10/2021 04:00	0.00	0.00
11/10/2021 05:00	0.00	0.00
11/10/2021 06:00	0.00	0.00
11/10/2021 07:00	0.00	0.00
11/10/2021 08:00	0.00	0.00
11/10/2021 09:00	0.00	0.00
11/10/2021 10:00	0.00	0.00
11/10/2021 11:00	0.00	0.00
11/10/2021 12:00	0.00	0.00
11/10/2021 13:00	0.00	0.00
11/10/2021 14:00	0.00	0.00
11/10/2021 15:00	0.00	0.00
11/10/2021 16:00	0.00	0.00
11/10/2021 17:00	0.00	0.00
11/10/2021 18:00	0.00	0.00
11/10/2021 19:00	0.00	0.00
11/10/2021 20:00	0.00	0.00
11/10/2021 21:00	0.00	0.00
11/10/2021 22:00	0.00	0.00
11/10/2021 23:00	0.00	0.00
11/11/2021 00:00	0.00	0.00
11/11/2021 01:00	0.00	0.00

0.00	7,870.00	0.00
0.00	7,320.00	0.00
0.00	7,530.00	0.00
0.00	8,140.00	0.00
0.00	8,560.00	0.00
0.00	8,540.00	0.00
0.00	8,330.00	0.00
0.00	8,160.00	0.00
0.00	7,790.00	0.00
0.00	7,480.00	0.00
0.00	7,220.00	0.00
0.00	7,070.00	0.00
0.00	7,040.00	0.00
0.00	7,130.00	0.00
0.00	7,350.00	0.00
0.00	7,690.00	0.00
0.00	8,280.00	0.00
0.00	9,000.00	0.00
0.00	9,000.00	0.00
0.00	8,490.00	0.00
0.00	8,050.00	0.00
0.00	7,470.00	0.00
0.00	6,970.00	0.00
0.00	6,790.00	0.00
0.00	6,740.00	0.00
0.00	6,870.00	0.00
0.00	7,060.00	0.00
0.00	7,760.00	0.00
0.00	8,380.00	0.00
0.00	8,420.00	0.00
0.00	8,410.00	0.00
0.00	8,200.00	0.00
0.00	7,900.00	0.00
0.00	7,630.00	0.00
0.00	7,410.00	0.00
0.00	7,300.00	0.00

17,900.00	0.00	0.00
17,500.00	0.00	0.00
21,200.00	0.00	0.00
21,600.00	0.00	0.00
24,900.00	0.00	0.00
24,700.00	0.00	0.00
23,800.00	0.00	0.00
18,100.00	0.00	0.00
12,400.00	0.00	0.00
8,900.00	0.00	0.00
3,500.00	0.00	0.00
0.00	1,100.00	0.00
0.00	600.00	0.00
0.00	900.00	0.00
100.00	100.00	0.00
2,300.00	0.00	0.00
13,400.00	0.00	0.00
23,800.00	0.00	0.00
24,800.00	0.00	0.00
20,100.00	0.00	0.00
17,400.00	0.00	0.00
14,200.00	0.00	0.00
11,900.00	0.00	0.00
9,500.00	0.00	0.00
8,200.00	0.00	0.00
6,500.00	0.00	0.00
9,100.00	0.00	0.00
16,000.00	0.00	0.00
21,000.00	0.00	0.00
20,700.00	0.00	0.00
17,600.00	0.00	0.00
13,900.00	0.00	0.00
11,600.00	0.00	0.00
5,800.00	0.00	0.00
700.00	300.00	0.00
1,900.00	200.00	0.00

11/11/2021 02:00	0.00	0.00
11/11/2021 03:00	0.00	0.00
11/11/2021 04:00	0.00	0.00
11/11/2021 05:00	0.00	0.00
11/11/2021 06:00	0.00	0.00
11/11/2021 07:00	0.00	0.00
11/11/2021 08:00	0.00	0.00
11/11/2021 09:00	0.00	0.00
11/11/2021 10:00	0.00	0.00
11/11/2021 11:00	0.00	0.00
11/11/2021 12:00	0.00	0.00
11/11/2021 13:00	0.00	0.00
11/11/2021 14:00	0.00	0.00
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11/11/2021 18:00	0.00	0.00
11/11/2021 19:00	0.00	0.00
11/11/2021 20:00	0.00	0.00
11/11/2021 21:00	0.00	0.00
11/11/2021 22:00	0.00	0.00
11/11/2021 23:00	0.00	0.00
11/12/2021 00:00	0.00	0.00
11/12/2021 01:00	0.00	0.00
11/12/2021 02:00	0.00	0.00
11/12/2021 03:00	0.00	0.00
11/12/2021 04:00	0.00	0.00
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11/12/2021 06:00	0.00	0.00
11/12/2021 07:00	0.00	0.00
11/12/2021 08:00	0.00	0.00
11/12/2021 09:00	0.00	0.00
11/12/2021 10:00	0.00	0.00
11/12/2021 11:00	0.00	0.00
11/12/2021 12:00	0.00	0.00
11/12/2021 13:00	0.00	0.00

0.00	7,300.00	0.00
0.00	7,420.00	0.00
0.00	7,530.00	0.00
0.00	7,880.00	0.00
0.00	8,190.00	0.00
0.00	8,850.00	0.00
0.00	9,000.00	0.00
0.00	9,030.00	0.00
0.00	8,600.00	0.00
0.00	8,310.00	0.00
0.00	7,950.00	0.00
0.00	7,740.00	0.00
0.00	7,600.00	0.00
0.00	7,620.00	0.00
0.00	7,920.00	0.00
0.00	8,170.00	0.00
0.00	8,450.00	0.00
0.00	8,300.00	0.00
0.00	8,010.00	0.00
0.00	7,790.00	0.00
0.00	7,460.00	0.00
0.00	7,020.00	0.00
0.00	6,590.00	0.00
0.00	6,570.00	0.00
0.00	6,490.00	0.00
0.00	6,550.00	0.00
0.00	6,750.00	0.00
0.00	6,990.00	0.00
0.00	7,500.00	0.00
0.00	8,110.00	0.00
0.00	8,310.00	0.00
0.00	8,140.00	0.00
0.00	8,130.00	0.00
0.00	7,970.00	0.00
0.00	7,630.00	0.00
0.00	7,510.00	0.00

2,300.00	0.00	0.00
2,800.00	0.00	0.00
300.00	1,000.00	0.00
5,700.00	0.00	0.00
15,100.00	0.00	0.00
18,800.00	0.00	0.00
12,800.00	0.00	0.00
13,500.00	0.00	0.00
18,100.00	0.00	0.00
16,900.00	0.00	0.00
15,200.00	0.00	0.00
20,200.00	0.00	0.00
18,200.00	0.00	0.00
18,100.00	0.00	0.00
23,900.00	0.00	0.00
26,800.00	0.00	0.00
27,700.00	0.00	0.00
23,300.00	0.00	0.00
18,200.00	0.00	0.00
15,200.00	0.00	0.00
11,500.00	0.00	0.00
1,100.00	0.00	0.00
1,300.00	0.00	0.00
700.00	0.00	0.00
300.00	100.00	0.00
0.00	500.00	0.00
1,300.00	200.00	0.00
4,400.00	0.00	0.00
9,300.00	0.00	0.00
12,900.00	0.00	0.00
14,400.00	0.00	0.00
12,500.00	0.00	0.00
11,500.00	0.00	0.00
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13,900.00	0.00	0.00
12,500.00	0.00	0.00

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11/14/2021 01:00	0.00	0.00

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0.00	7,740.00	0.00
0.00	7,810.00	0.00
0.00	7,760.00	0.00
0.00	7,290.00	0.00
0.00	7,090.00	0.00
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0.00	6,380.00	0.00
0.00	6,710.00	0.00
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0.00	8,150.00	0.00
0.00	7,980.00	0.00
0.00	7,770.00	0.00
0.00	7,550.00	0.00
0.00	7,310.00	0.00
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0.00	7,770.00	0.00
0.00	7,850.00	0.00
0.00	7,690.00	0.00
0.00	7,360.00	0.00
0.00	7,170.00	0.00
0.00	7,070.00	0.00
0.00	6,760.00	0.00
0.00	6,480.00	0.00
0.00	6,380.00	0.00

11,100.00	0.00	0.00
10,900.00	0.00	0.00
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2,200.00	0.00	0.00
700.00	200.00	0.00
0.00	1,700.00	0.00
0.00	6,600.00	0.00
0.00	10,000.00	0.00
0.00	9,300.00	0.00
0.00	7,900.00	0.00
0.00	3,700.00	0.00
100.00	2,200.00	0.00
0.00	3,400.00	0.00
1,200.00	100.00	0.00
6,800.00	0.00	0.00
10,900.00	0.00	0.00
11,900.00	0.00	0.00
10,900.00	0.00	0.00
6,400.00	0.00	0.00
5,800.00	0.00	0.00
4,100.00	0.00	0.00
3,000.00	0.00	0.00
11,800.00	0.00	0.00
12,400.00	0.00	0.00
14,000.00	0.00	0.00
14,000.00	0.00	0.00
11,900.00	0.00	0.00
8,400.00	0.00	0.00
9,000.00	0.00	0.00
6,100.00	0.00	0.00
100.00	800.00	0.00

0.00	10,700.00	
0.00	10,600.00	
0.00	9,300.00	
0.00	11,600.00	
0.00	11,500.00	
0.00	12,300.00	
0.00	14,700.00	
0.00	23,100.00	
0.00	22,900.00	
0.00	24,800.00	
0.00	25,900.00	
0.00	30,000.00	
0.00	32,300.00	
0.00	30,800.00	
0.00	30,200.00	
0.00	25,300.00	
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0.00	12,100.00	
0.00	13,000.00	
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0.00	19,800.00	
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0.00	7,700.00	
0.00	5,600.00	
0.00	5,100.00	
0.00	5,100.00	
0.00	6,800.00	
0.00	3,600.00	
0.00	4,100.00	
0.00	10,800.00	

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11/14/2021 06:00	0.00	0.00
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11/14/2021 14:00	0.00	0.00
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11/15/2021 12:00	0.00	0.00
11/15/2021 13:00	0.00	0.00

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0.00	4,960.00	0.00
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0.00	6,320.00	0.00
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0.00	6,210.00	0.00
0.00	6,100.00	0.00

500.00	0.00	0.00
0.00	600.00	0.00
0.00	4,700.00	0.00
0.00	1,800.00	0.00
1,500.00	100.00	0.00
6,200.00	0.00	0.00
5,100.00	0.00	0.00
3,700.00	0.00	0.00
2,900.00	0.00	0.00
3,800.00	0.00	0.00
900.00	300.00	0.00
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0.00	11,100.00	0.00
0.00	9,400.00	0.00
0.00	7,600.00	0.00
0.00	5,100.00	0.00
0.00	5,200.00	0.00
0.00	2,600.00	0.00
100.00	700.00	0.00
3,100.00	300.00	0.00
100.00	2,100.00	0.00
0.00	1,900.00	0.00
0.00	2,400.00	0.00
0.00	1,900.00	0.00
800.00	500.00	0.00
700.00	200.00	0.00

0.00	9,600.00	
0.00	10,500.00	
0.00	15,000.00	
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0.00	10,000.00	
0.00	14,000.00	
0.00	23,600.00	
0.00	24,000.00	
0.00	28,700.00	
0.00	26,900.00	
0.00	24,000.00	
0.00	21,800.00	
0.00	20,200.00	
0.00	17,600.00	
0.00	19,900.00	
0.00	17,600.00	
0.00	22,800.00	
0.00	23,600.00	
0.00	23,900.00	
0.00	24,300.00	
0.00	20,200.00	
0.00	19,600.00	

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11/15/2021 19:00	0.00	0.00
11/15/2021 20:00	0.00	0.00
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11/16/2021 11:00	0.00	0.00
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11/17/2021 00:00	0.00	0.00
11/17/2021 01:00	0.00	0.00

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0.00	4,760.00	0.00
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0.00	5,780.00	0.00
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0.00	6,170.00	0.00
0.00	6,160.00	0.00
0.00	6,400.00	0.00
0.00	6,800.00	0.00
0.00	7,270.00	0.00
0.00	7,960.00	0.00
0.00	8,910.00	0.00
0.00	9,060.00	0.00
0.00	8,890.00	0.00
0.00	8,480.00	0.00
0.00	8,080.00	0.00
0.00	7,760.00	0.00
0.00	7,320.00	0.00
0.00	6,980.00	0.00
0.00	7,470.00	0.00
0.00	7,770.00	0.00
0.00	8,590.00	0.00
0.00	9,150.00	0.00
0.00	9,250.00	0.00
0.00	9,180.00	0.00
0.00	9,090.00	0.00
0.00	8,830.00	0.00
0.00	8,590.00	0.00
0.00	8,420.00	0.00
0.00	8,500.00	0.00

100.00	500.00	0.00
1,300.00	900.00	0.00
8,000.00	0.00	0.00
5,900.00	10,000.00	0.00
5,000.00	21,100.00	0.00
9,100.00	900.00	0.00
0.00	33,700.00	0.00
0.00	29,200.00	0.00
0.00	21,800.00	0.00
0.00	28,000.00	0.00
0.00	27,500.00	0.00
0.00	26,800.00	0.00
0.00	25,500.00	0.00
0.00	23,200.00	0.00
0.00	17,700.00	0.00
0.00	23,600.00	0.00
0.00	26,900.00	0.00
0.00	31,700.00	0.00
5,300.00	19,300.00	0.00
22,500.00	0.00	0.00
22,000.00	0.00	0.00
16,600.00	0.00	0.00
11,200.00	0.00	0.00
100.00	2,000.00	0.00
0.00	3,200.00	0.00
1,800.00	1,200.00	0.00
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22,900.00	0.00	0.00
28,900.00	0.00	0.00
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24,800.00	0.00	0.00
22,200.00	0.00	0.00
20,300.00	0.00	0.00
6,900.00	0.00	0.00
3,900.00	0.00	0.00
13,600.00	0.00	0.00

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0.00	20,800.00	
0.00	17,800.00	
0.00	11,200.00	
0.00	9,700.00	
0.00	8,600.00	
200.00	7,400.00	
3,600.00	400.00	
16,200.00	700.00	
1,400.00	21,100.00	
4,700.00	4,700.00	
10,400.00	0.00	
6,100.00	0.00	
4,200.00	13,100.00	
0.00	28,000.00	
0.00	28,000.00	
0.00	23,000.00	
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900.00	700.00	
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0.00	6,200.00	
0.00	36,100.00	
0.00	38,500.00	
0.00	27,500.00	
0.00	5,700.00	
8,700.00	0.00	
9,900.00	0.00	
6,700.00	0.00	
6,100.00	0.00	
3,500.00	0.00	
2,400.00	300.00	
0.00	13,500.00	
0.00	16,100.00	
0.00	3,600.00	

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11/18/2021 12:00	0.00	0.00
11/18/2021 13:00	0.00	0.00

0.00	8,690.00	0.00
0.00	8,870.00	0.00
0.00	9,240.00	0.00
0.00	9,670.00	0.00
0.00	10,580.00	0.00
0.00	11,400.00	0.00
0.00	11,680.00	0.00
0.00	10,750.00	0.00
0.00	9,810.00	0.00
0.00	9,150.00	0.00
0.00	8,580.00	0.00
0.00	8,300.00	0.00
0.00	7,980.00	0.00
0.00	8,160.00	0.00
0.00	8,560.00	0.00
0.00	9,320.00	0.00
0.00	9,690.00	0.00
0.00	9,720.00	0.00
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0.00	9,270.00	0.00
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0.00	8,510.00	0.00
0.00	8,880.00	0.00
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0.00	8,840.00	0.00

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13,200.00	0.00	0.00
17,000.00	0.00	0.00
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33,500.00	0.00	0.00
40,300.00	0.00	0.00
38,500.00	0.00	0.00
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25,200.00	0.00	0.00
24,100.00	0.00	0.00
17,300.00	0.00	0.00
13,500.00	0.00	0.00
7,400.00	0.00	0.00
6,700.00	0.00	0.00
8,900.00	0.00	0.00

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0.00	3,900.00	
0.00	2,200.00	
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0.00	22,200.00	
0.00	14,700.00	
0.00	6,200.00	
5,800.00	0.00	
3,000.00	200.00	
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0.00	9,200.00	
0.00	16,500.00	
0.00	16,300.00	
0.00	13,000.00	

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11/19/2021 00:00	0.00	0.00
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11/20/2021 01:00	0.00	0.00

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0.00	8,950.00	0.00
0.00	9,230.00	0.00
0.00	9,680.00	0.00
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0.00	9,550.00	0.00
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0.00	8,870.00	0.00
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0.00	7,620.00	0.00
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0.00	8,760.00	0.00
0.00	8,850.00	0.00
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0.00	8,570.00	0.00
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0.00	7,730.00	0.00
0.00	7,570.00	0.00
0.00	7,470.00	0.00

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12,400.00	0.00	0.00
18,900.00	0.00	0.00
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19,400.00	0.00	0.00
20,000.00	0.00	0.00
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8,500.00	0.00	0.00
900.00	0.00	0.00
100.00	1,700.00	0.00
2,500.00	0.00	0.00
900.00	100.00	0.00
100.00	300.00	0.00
2,300.00	0.00	0.00
7,300.00	0.00	0.00
17,300.00	0.00	0.00
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25,000.00	0.00	0.00
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17,900.00	0.00	0.00
12,300.00	0.00	0.00
10,600.00	0.00	0.00
10,500.00	0.00	0.00
9,400.00	0.00	0.00
9,900.00	0.00	0.00
12,800.00	0.00	0.00
15,200.00	0.00	0.00
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7,100.00	0.00	0.00
6,800.00	0.00	0.00
4,200.00	0.00	0.00
400.00	400.00	0.00
0.00	3,400.00	0.00
0.00	4,300.00	0.00

0.00	11,200.00	
0.00	7,600.00	
200.00	600.00	
1,600.00	100.00	
0.00	3,300.00	
0.00	2,000.00	
100.00	1,000.00	
0.00	3,200.00	
0.00	13,900.00	
0.00	22,600.00	
0.00	24,400.00	
0.00	17,500.00	
0.00	18,800.00	
0.00	19,900.00	
0.00	17,300.00	
0.00	11,400.00	
800.00	900.00	
7,900.00	0.00	
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5,600.00	0.00	
2,700.00	100.00	
0.00	13,300.00	
0.00	11,800.00	
0.00	9,300.00	
0.00	10,800.00	
0.00	7,900.00	
5,900.00	100.00	
9,400.00	0.00	
4,700.00	0.00	
1,700.00	200.00	
0.00	3,400.00	
0.00	5,900.00	
0.00	2,100.00	
0.00	4,100.00	
0.00	6,300.00	
0.00	15,300.00	

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11/20/2021 04:00	0.00	0.00
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11/20/2021 06:00	0.00	0.00
11/20/2021 07:00	0.00	0.00
11/20/2021 08:00	0.00	0.00
11/20/2021 09:00	0.00	0.00
11/20/2021 10:00	0.00	0.00
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11/20/2021 12:00	0.00	0.00
11/20/2021 13:00	0.00	0.00
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11/20/2021 16:00	0.00	0.00
11/20/2021 17:00	0.00	0.00
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11/20/2021 21:00	0.00	0.00
11/20/2021 22:00	0.00	0.00
11/20/2021 23:00	0.00	0.00
11/21/2021 00:00	0.00	0.00
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11/21/2021 13:00	0.00	0.00

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0.00	4,700.00	0.00
0.00	4,400.00	0.00
0.00	3,000.00	0.00
1,500.00	100.00	0.00
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7,200.00	0.00	0.00
8,500.00	0.00	0.00
7,700.00	0.00	0.00
5,100.00	0.00	0.00
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5,800.00	0.00	0.00
5,600.00	0.00	0.00
10,500.00	0.00	0.00
17,500.00	0.00	0.00
21,300.00	0.00	0.00
22,000.00	0.00	0.00
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22,100.00	0.00	0.00
22,800.00	0.00	0.00
21,700.00	0.00	0.00
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2,700.00	0.00	0.00
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19,700.00	0.00	0.00
18,900.00	0.00	0.00
19,700.00	0.00	0.00
20,100.00	0.00	0.00
17,000.00	0.00	0.00
15,100.00	0.00	0.00

0.00	12,700.00	
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0.00	11,100.00	
0.00	10,500.00	
600.00	500.00	
500.00	1,100.00	
0.00	6,300.00	
0.00	13,300.00	
0.00	15,300.00	
0.00	15,200.00	
0.00	17,500.00	
0.00	11,300.00	
0.00	11,600.00	
0.00	5,200.00	
2,900.00	200.00	
4,800.00	0.00	
2,500.00	0.00	
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0.00	7,400.00	
600.00	600.00	
4,300.00	0.00	
3,900.00	0.00	
3,600.00	0.00	
3,100.00	300.00	
3,100.00	0.00	
1,300.00	1,600.00	
0.00	2,400.00	

11/21/2021 14:00	0.00	0.00
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11/21/2021 16:00	0.00	0.00
11/21/2021 17:00	0.00	0.00
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27,400.00	0.00	0.00
27,800.00	0.00	0.00
24,100.00	0.00	0.00
15,700.00	0.00	0.00
12,200.00	0.00	0.00
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From: Colin Willenbrock

Sent: Tue Dec 14 08:59:48 2021

To: Cook, Jeffrey W (BPA) - TP-DITT-2

Cc: Geyer, Sheryl A (CONTR) - TPP-OPP-3

Bcc: jwcook@bpa.gov

Subject: [EXTERNAL] RE: L0494 Delay Notice

Importance: Normal

Jeff,

12/17 at 10AM works on my end. If anything sooner comes up on your schedule, please let me know.

1 (509) 447-6758 is my direct line. (b)(6) is my cell.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

From: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Sent: Tuesday, December 14, 2021 8:52 AM
To: Colin Willenbrock <cwillenbrock@popud.org>
Cc: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>
Subject: RE: L0494 Delay Notice

Colin

How does 12/17 at 10AM work for you? I will call you

Jeff

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Cook, Jeffrey W (BPA) - TP-DITT-2
Sent: Monday, December 13, 2021 4:29 PM
To: Colin Willenbrock <cwillenbrock@popud.org>
Cc: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>
Subject: RE: L0494 Delay Notice

Colin

Be glad to chat about the report. Let me look at my calendar and will send some possible time slots for later this week.

Jeff

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Monday, December 13, 2021 2:28 PM

To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Subject: [EXTERNAL] RE: L0494 Delay Notice

Jeff,

I hope this note finds you well. We received a copy of the LLISIS Report. I'd like to chat with you about the report this week, if possible.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

From: Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Sent: Tuesday, November 9, 2021 11:11 AM
To: Colin Willenbrock <cwillenbrock@popud.org>
Subject: FW: L0494 Delay Notice

Colin

Good morning – hopefully this is sufficient for the developer to move forward. We talked internally and thought we would just capture this statement in the front of the SIS report but just so you know the study will still basically cover the total 300MW based on the original request.

Lets stay in touch on this going forward.

Jeff

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Sent: Tuesday, November 9, 2021 10:47 AM

To: Tyler Whitney <TWhitney@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>; April Owen <aowen@popud.org>; David Hodder <DHodder@popud.org>; Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Christopher Mckey (christopher@energywestllc.com) <christopher@energywestllc.com>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy,Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick,Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola,Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack,Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer,Robert B (CONTR) - TPCC-TPP-4 <rhmoyer@bpa.gov>; Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; Bustamante,Richard (BPA) - TPP-OPP-3 <rxbustamante@bpa.gov>

Subject: RE: L0494 Delay Notice

Hello Tyler,

Updated results indicate no issues or system upgrades are required for 100 MW of load at near unity at Usk 230 kV. The official confirmation of availability of the 100 MW load will be documented in the System Impact Study report which we are updating to reflect these latest/updated findings and will be issued prior to the current December 13th due date.

As we've discussed, any load above the 100 MW will require a new interconnection request.

If you have any questions please feel free to contact me.

Thank you,

Akira

From: Tyler Whitney <TWhitney@popud.org>

Sent: Friday, November 5, 2021 2:40 PM

To: Colin Willenbrock <cwillenbrock@popud.org>; April Owen <aowen@popud.org>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; David Hodder <DHodder@popud.org>; Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Christopher Mckey (christopher@energywestllc.com) <christopher@energywestllc.com>

Cc: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy, Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola, Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>;

Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack,Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aidowu@bpa.gov>; Moyer,Robert B (CONTR) - TPCC-TPP-4 <rbmoyer@bpa.gov>; Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; Normandeau,Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>
Subject: [EXTERNAL] RE: L0494 Delay Notice

Good Afternoon Akira and Team,

Thank you again for accommodating our joint call with Ponderay this past Monday. It was a very helpful conversation. In follow-up, can you please let us know if BPA has confirmed the availability of 100 MW of capacity at the Usk site (subject to the near-unity power factor requirements we discussed), or when that confirmation might be forthcoming?

Thank you,

Tyler

From: Colin Willenbrock

Sent: Friday, October 29, 2021 4:52 PM

To: April Owen <aowen@popud.org>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; David Hodder <DHodder@popud.org>; Tyler Whitney <TWhitney@popud.org>; Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Christopher Mckey (christopher@energywestllc.com) <christopher@energywestllc.com>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy,Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick,Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola,Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack,Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer,Robert B (CONTR) - TPCC-TPP-4 <rhmoyer@bpa.gov>; Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; Normandeau,Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>
Subject: RE: L0494 Delay Notice

Akira and Team,

Please see the attached letter from the customer confirming April's representations below. We look forward to getting a follow-up meeting scheduled for early next week.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

From: April Owen <aowen@popud.org>

Sent: Thursday, October 28, 2021 2:38 PM

To: Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; David Hodder <DHodder@popud.org>; Tyler Whitney <TWhitney@popud.org>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy,Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick,Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola,Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack,Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer,Robert B (CONTR) - TPCC-TPP-4 <rbmoyer@bpa.gov>; Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; Colin Willenbrock <cwillenbrock@popud.org>; Normandeau,Mike (BPA) - PSE-ROANAN <mrnormandeau@bpa.gov>

Subject: RE: L0494 Delay Notice

Hi Akira,

Pend Oreille PUD acknowledges receipt of BPA's delay notice. As discussed on today's call, our customer (Ponderay) has advised and committed that the first 100 MW of power delivered to the Usk site (except the existing 1.5 MW of mill maintenance power) will be computer equipment load with nearly unity power factor, essentially 100% capacity factor and flexibility to adapt to non-firm deliveries and short notice curtailments. Ponderay states that it understands that a hoped-for future restart of paper making operations in addition to the first 100 MW for computer load will likely require further discussion and study by BPA. Ponderay states it is willing to undertake that additional study effort once near-term certainty of power delivery for computing loads has been assured.

Further, assuming the impact study results do ultimately conclude the Usk site is limited to power deliveries substantially below historic loads, Pend Oreille PUD insists that the forthcoming impact study report include a detailed discussion of all factors that have led to that capacity restriction. We understand from our conversations with BPA both today and on October 14 that those details will be included in the report.

Please let me know if you have any questions.

Thank you,

April Owen

April Owen

Director, Audit, Finance & Power Supply

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

509.447.9321 | aowen@popud.org | www.popud.org

From: Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Sent: Thursday, October 14, 2021 11:55 AM

To: David Hodder <DHodder@popud.org>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Ngoy,Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Wick,Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola,Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Stinnette,William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; PWA Study <pwastudy@bpa.gov>; Lee,Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Hammack,Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Idowu,Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Moyer,Robert B (CONTR) - TPCC-TPP-4 <rbmoyer@bpa.gov>; Smith III,James B (CONTR) - TPCC-TPP-4 <jbsmith@bpa.gov>; April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>

Subject: L0494 Delay Notice

CAUTION: This email originated from outside of the POPUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello David,

This email serves as an official delay notice for the System Impact Study of interconnection request L0494. The Oct 29th, 2021, due date cannot be met. Additional time is needed to identify the impacts from this interconnection request. The new due date for the System Impact Study report is Dec 13th, 2021. However, BPA intends to do all we can to accelerate that date and will try to deliver the report earlier than this 45 day delay. In the interim, we have determined that 20 MW of load can be interconnected after the reconnection of the PNC site, coordinated trip checks with Bell SPC, and independent metering to capture blockchain and the paper mill load.

If you have any questions please feel free to contact me.

Thank you,

Akira Mendez

Electrical Engineer | Transmission Planning

Bonneville Power Administration

(360) 418-2729

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Pend Oreille County Public Utility District #1

From: Bolan,Kelly K (CONTR) - TPCR-TPP-4

Sent: Tue Dec 14 17:55:21 2021

To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Wick,Martin A (BPA) - TPCV-TPP-4; Idowu,Ayodele O (BPA) - TPMC-OPP-3; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3; Ngoy,Prachthearat (BPA) - TPMC-OPP-3; Rochelle,Patrick R (BPA) - TPPB-OPP-3; Stinnette,William W (CONTR) - EC-4; Bolan,Kelly K (CONTR) - TPCR-TPP-4; cwillenbrock@popud.org; dhodder@popud.org

Subject: L0494 System Impact Study Report Review Meeting

Importance: Normal

Attachments: LLIP_ISIS Study Review_AGENDA_L0494.docx

Good afternoon,

Please see attached agenda for the Line and Load System Impact Study Report Review Meeting regarding L0494 occurring January 19th, 2022 from 1:00 to 2:00pm.

For those of you that are calling in, the phone bridge information is listed in the attached agenda as well as here below:

Telephone Bridge

509-822-4485

Call ID: (b)(6)

Thank you.

Date	January 19 th , 2022	Customer Name	Pend Oreille County PUD No. 1
Time	1:00-2:00 pm	Project	L0494 Ponderday Renewable Fiber and Blockchain Project
Room	Telephone Conference		
Phone Bridge/Call-In #	509-822-4485 Call ID is: (b)(6)		
Attendees	Pend Oreille County PUD No. 1	BPA	
	Colin Willenbrock	Adelle Harris, Account Executive	
	David Hodder	Jared Lacambra (Host), Customer Service Engineer	
		Martin Wick, L&L Lead	
		Brian Galbraith, L&L Administrator	
		Ayodele Idowu, C&C Planning	
		Akira Mendez-Sierra, Planning	
		Prachthearat Ngoy, C&C Planning	
		Patrick Rochelle, Planning	
		William (Walker) Stinnette, Environmental	
		Kelly Bolan, Program Support	

Interconnection System Impact Study Review Meeting Agenda

Topic	SME	Notes
Welcome / Introductions - All	N/A	
System Impact Study Report Review	Planner / C&C	
Identify Issues	Planning, Communications, Environment	

Next Steps

Action	Owner	Due Date
BPA will tender a Facilities Study/Pre Engineering Agreement		

BPA will tender a NEPA Agreement, if applicable		
---	--	--

From: Colin Willenbrock

Sent: Tue Dec 14 18:08:07 2021

To: alharris@bpa.gov

Cc: Tyler Whitney; April Owen

Subject: [EXTERNAL] Re: L0494 System Impact Study Report Review Meeting

Importance: Normal

Adelle,

I thought this meeting was to occur within 10 days on the study release date? I understand we are on the doorstep of the holidays, but waiting over a month to discuss the study seems unreasonable.

Thank you,
Colin

> On Dec 14, 2021, at 5:55 PM, Galbraith,Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov> wrote:

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> 509-822-4485

> Call ID: (b)(6)

>

> Thank you.

>

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Pend Oreille County Public Utility District #1 <<http://www.popud.org>>

From: Galbraith,Brian T (BPA) - TPCC-TPP-4

Sent: Wed Dec 15 09:02:06 2021

To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Wick,Martin A (BPA) - TPCV-TPP-4; Idowu,Ayodele O (BPA) - TPMC-OPP-3; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3; Ngoy,Prachthearat (BPA) - TPMC-OPP-3; Rochelle,Patrick R (BPA) - TPPB-OPP-3; Stinnette,William W (CONTR) - EC-4; Bolan,Kelly K (CONTR) - TPCR-TPP-4; cwillenbrock@popud.org; dhodder@popud.org

Subject: L0494 System Impact Study Report Review Meeting

Importance: Normal

Attachments: LLIP_ISIS Study Review_AGENDA_L0494.docx

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Call ID: (b)(6)

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Room	Telephone Conference		
Phone Bridge/Call-In #	509-822-4485 Call ID is: (b)(6)		
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Interconnection System Impact Study Review Meeting Agenda

Topic	SME	Notes
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Identify Issues	Planning, Communications, Environment	

Next Steps

Action	Owner	Due Date
BPA will tender a Facilities Study/Pre Engineering Agreement		

BPA will tender a NEPA Agreement, if applicable		
---	--	--

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2

Sent: Wed Dec 15 09:02:43 2021

To: Colin Willenbrock

Cc: Tyler Whitney; April Owen

Subject: RE: L0494 System Impact Study Report Review Meeting

Importance: Normal

Hi Colin,

It looks like our Line & Load Administrator is out of the office for the remainder of December and the meeting was scheduled the soonest there was availability on everyone's calendar. Our policy states that we will schedule the meeting within 10 days of the study release, not that it will necessarily occur within 10 days. I moved some stuff around on my calendar and it looks like I can have it moved up to the 7th. I hope that works for the folks on your side.

Adelle

-----Original Message-----

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Tuesday, December 14, 2021 6:08 PM

To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>

Cc: Tyler Whitney <TWhitney@popud.org>; April Owen <aowen@popud.org>

Subject: [EXTERNAL] Re: L0494 System Impact Study Report Review Meeting

Adelle,

I thought this meeting was to occur within 10 days on the study release date? I understand we are on the doorstep of the holidays, but waiting over a month to discuss the study seems unreasonable.

Thank you,
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> Telephone Bridge
>
> 509-822-4485
> Call ID: (b)(6)
>
> Thank you.
>

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Pend Oreille County Public Utility District #1 <<http://www.popud.org>>

From: Colin Willenbrock

Sent: Wed Dec 15 09:05:36 2021

To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2

Cc: Tyler Whitney; April Owen

Subject: [EXTERNAL] RE: L0494 System Impact Study Report Review Meeting

Importance: Normal

Thank you, Adelle.

Colin

-----Original Message-----

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>

Sent: Wednesday, December 15, 2021 9:03 AM

To: Colin Willenbrock <cwillenbrock@popud.org>

Cc: Tyler Whitney <TWhitney@popud.org>; April Owen <aowen@popud.org>

Subject: RE: L0494 System Impact Study Report Review Meeting

Hi Colin,

It looks like our Line & Load Administrator is out of the office for the remainder of December and the meeting was scheduled the soonest there was availability on everyone's calendar. Our policy states that we will schedule the meeting within 10 days of the study release, not that it will necessarily occur within 10 days. I moved some stuff around on my calendar and it looks like I can have it moved up to the 7th. I hope that works for the folks on your side.

Adelle

-----Original Message-----

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Tuesday, December 14, 2021 6:08 PM

To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>

Cc: Tyler Whitney <TWhitney@popud.org>; April Owen <aowen@popud.org>
Subject: [EXTERNAL] Re: L0494 System Impact Study Report Review Meeting

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Pend Oreille County Public Utility District #1 <<https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.popud.org%2F&data=04%7C01%7Cwillenbrock%40popud.org%7Ca2d08dfe0e1e4f5e841d08d9bfecbb94%7C6a9881bc1e9748068532be90f3b64408%7C0%7C0%7C637751845774482563%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjEhaWwiLCJXVCi6Mn0%3D%7C3000&data=noHgtoc5XSvQlkIO7Vx8tNWmFzHMSY99qBjWWynbNA%3D&reserved=0>>

Date	January 7 th , 2022	Customer Name	Pend Oreille County PUD No. 1
Time	11:00am to 12:00pm	Project	L0494 Ponderday Renewable Fiber and Blockchain Project
Room	Telephone Conference		
Phone Bridge/Call-In #	509-822-4485 Call ID is: (b)(6)		
Attendees	Pend Oreille County PUD No. 1	BPA	
	Colin Willenbrock	Adelle Harris, Account Executive	
	David Hodder	Jared Lacambra (Host), Customer Service Engineer	
		Martin Wick, L&L Lead	
		Brian Galbraith, L&L Administrator	
		Ayodele Idowu, C&C Planning	
		Akira Mendez-Sierra, Planning	
		Prachthearat Ngoy, C&C Planning	
		Patrick Rochelle, Planning	
		William (Walker) Stinnette, Environmental	
		Kelly Bolan, Program Support	

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Identify Issues	Planning, Communications, Environment	

Next Steps

Action	Owner	Due Date
BPA will tender a Facilities Study/Pre Engineering Agreement		

BPA will tender a NEPA Agreement, if applicable		
---	--	--

From: Bolan, Kelly K (CONTR) - TPCR-TPP-4

Sent: Wed Dec 15 09:17:01 2021

To: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB; Wick, Martin A (BPA) - TPCV-TPP-4; Idowu, Ayodele O (BPA) - TPMC-OPP-3; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Ngoy, Prachthearat (BPA) - TPMC-OPP-3; Rochelle, Patrick R (BPA) - TPPB-OPP-3; Stinnette, William W (CONTR) - EC-4; Bolan, Kelly K (CONTR) - TPCR-TPP-4; 'cwillenbrock@popud.org'; 'dhodder@popud.org'

Subject: L0494 System Impact Study Report Review Meeting

Importance: Normal

Attachments: LLIP_ISIS Study Review_AGENDA_L0494.docx

**moving date

Good afternoon,

Please see attached agenda for the Line and Load System Impact Study Report Review Meeting regarding L0494 occurring January 7th, 2022 from 11:00am to 12:00pm.

For those of you that are calling in, the phone bridge information is listed in the attached agenda as well as here below:

Telephone Bridge

509-822-4485

Call ID: (b)(6)

Thank you.

From: Geyer,Sheryl A (CONTR) - TPP-OPP-3

Sent: Wed Dec 15 16:32:46 2021

To: Tyler Whitney

Cc: Colin Willenbrock; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3

Subject: RE: Fulfillment of L0494 ISIS Report

Importance: Normal

Attachments: L0494_CIR-ISIS_ic.pdf

Sorry about that – here you go!!d

Have a great night

Sheryl

From: Tyler Whitney <TWhitney@popud.org>

Sent: Wednesday, December 15, 2021 3:58 PM

To: Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>

Cc: Colin Willenbrock <cwillenbrock@popud.org>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Subject: [EXTERNAL] RE: Fulfillment of L0494 ISIS Report

Thanks, Sheryl. I notice the report still is marked CEII – should that label be removed now?

Thank you,

Tyler

From: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>
Sent: Wednesday, December 15, 2021 3:11 PM
To: Tyler Whitney <TWhitney@popud.org>
Cc: Colin Willenbrock <cwillenbrock@popud.org>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>
Subject: RE: Fulfillment of L0494 ISIS Report

Hi Tyler,

Attached a copy of your Study L0494 that you can use with your customers.

Please let us know if there is anything else that you might need.

Regards,

Sheryl Geyer

Contractor at Bonneville Power Administration

[ASA3] Transmission Planning (TPP)

When you feel that you want to give up – Remember what you have worked so hard for, and press on!!

bpa.gov | P 360-619-6775 | F 360-619-6589

From: Tyler Whitney <TWhitney@popud.org>

Sent: Tuesday, December 14, 2021 4:34 PM

To: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Cc: Colin Willenbrock <cwillenbrock@popud.org>

Subject: [EXTERNAL] RE: Fulfillment of L0494 ISIS Report

Thank you, Sheryl

From: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>
Sent: Tuesday, December 14, 2021 3:23 PM
To: Tyler Whitney <TWhitney@popud.org>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>
Cc: Colin Willenbrock <cwillenbrock@popud.org>
Subject: RE: Fulfillment of L0494 ISIS Report

Hi Tyler,

Let me send this request over to my managers in Transmission Planning and see what we can do in providing you a copy that would be suitable to release.

I will have someone in our Management team contact you.

Regards,

Sheryl Geyer

Contractor at Bonneville Power Administration

|ASA3| Transmission Planning (TPP)

When you feel that you want to give up – Remember what you have worked so hard for, and press on!!
bpa.gov | P 360-619-6775 | F 360-619-6589

From: Tyler Whitney <TWhitney@popud.org>
Sent: Tuesday, December 14, 2021 8:22 AM
To: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>
Cc: Colin Willenbrock <cwillenbrock@popud.org>
Subject: [EXTERNAL] RE: Fulfillment of L0494 ISIS Report

Good Morning Sheryl and Akira,

Can you please advise if we are able to share this document with our customer who requested and funded this study? Also, if we receive a request for public records down the road, would BPA have any objection to Pend Oreille PUD providing this report in response? I know in the past we have asked the same question regarding other LLIR reports that were marked CEII, and BPA ended up clearing the document for disclosure.

Thank you,

Tyler R. Whitney

General Counsel & Assistant General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.9331 | twhitney@popud.org | www.popud.org

From: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>

Sent: Friday, December 10, 2021 5:13 PM

To: Colin Willenbrock <cwillenbrock@popud.org>

Cc: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Huntington, Joseph J (TFE)(BPA) - TSES-TPP-2 <jjhuntington@bpa.gov>; Cosola, Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Hammack, Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Lee, Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Ngoy, Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Belanger, Beth A (CONTR) - ECT-4 <babelanger@bpa.gov>

Subject: Fulfillment of L0494 ISIS Report

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Good Evening Mr. Willenbrock,

As an interim measure to accommodate telework limitations, interconnection reports will be provided electronically. Some of the documents you are receiving contain **Critical Information (CI)**, these documents will be password protected, please do not distribute.

As a recipient of this information you are required to control, protect, and safeguard this information at all times.

If you have any questions regarding these documents please contact: Akira Mendez-Sierra either by email at ammendezsierra@bpa.gov or by phone at 360-418-2729.

Thanks,

Sheryl Geyer

Contractor at Bonneville Power Administration

Assistant to: ricky bustamante - Manager

cid:image001.gif@01D5FC6F.3782B520cid:B2168DBE79FF7943B5380CE8710CA795
@namprd09.prod.outlook.com|**ASA3**| **Transmission Planning (TPP)**

When you feel that you want to give up – Remember what you have worked so hard for, and press on!!
bpa.gov | P 360-619-6775 | F 360-619-6589

cid:image002.jpg@01D5FC6F.3782B520cid:C204B5B5E3704645ABE1343BAE30E453@namprd09.prod.outlook.comcid:image003.jpg@01D5FC6F.3782B520cid:100366B12CA1034283D2BFD753ECFB11@namprd09.prod.outlook.comcid:image004.jpg@01D5FC6F.3782B520cid:E4F431B4DB1BBD42A397EA619AB93FE1@namprd09.prod.outlook.comcid:image005.jpg@01D5FC6F.3782B520cid:72E367821CAD2345A1A688FB3B4BCF80@namprd09.prod.outlook.comcid:image006.jpg@01D5FC6F.3782B520cid:544244A37F8CF545ADA32631115ACBA1@namprd09.prod.outlook.comcid:image007.jpg@01D5FC6F.3782B520cid:CB503B16B938034BB98403785F7A2F0A@namprd09.prod.outlook.com

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[Pend Oreille County Public Utility District #1](#)



TRANSMISSION PLANNING

LINE & LOAD INTERCONNECTION REPORT

INTERCONNECTION SYSTEM IMPACT STUDY (ISIS)

L0494

12/6/21

PREPARED BY:

Akira Mendez-Sierra – TPPC
Prachthearat Ngoy – TPMC



L0494
BPA-TS TPP-2022-022cir

ISIS
ED14:0FLL

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1 Introduction

This ISIS examines the System Impacts of interconnecting the proposed 300 MW load addition project to the Bonneville Power Administration Transmission Service's (BPA-TS) transmission system in Pend Oreille County, Washington. The Developer has requested interconnection at Usk 230 kV substation through the existing Ponderay Newsprint Company connection. This request was entered into the BPA-TS Interconnection queue as Request L0494. The requested commercial operation date is 09/01/21.

The ISIS consists of powerflow, voltage stability, short circuit and transient stability analysis (if applicable) and provides a list of facilities and non-binding good faith estimates of cost and a non-binding good faith estimated time to construct. The purpose is to identify any potential adverse system impacts resulting from the requested interconnection.

2 Conclusions

This request was initially for a high inductive 300 MW load (proposed to be at a 0.90 power factor). During this study, the customer modified its request to a 100 MW load at near unity power factor.

The ISIS evaluated a POI at Usk 230 kV substation through the existing Ponderay Newsprint Company connection. The ISIS concluded that the requested 100 MW could be interconnected at Usk 230 kV substation provided the modified reactive compensation and voltage control requirements are met. This interconnection is subject to the following requirements: (1) the 100 MW load needs to be near unity (.99 power factor as identified by the customer), (2) the 100 MW load can only be data center, (3) any additional load above 100 MW will need a new request.

The study found that this interconnection request at Usk 230 kV substation using the existing Ponderay Newsprint Company connection would require no construction or upgrades. Therefore, no cost are expected for this project and the commercial operation date should be scheduled with the Bell District and control center.

The technical study results included in this document are for line and/or load interconnection only. Technical studies for transmission service for delivery of resources to the load are not included. Any transmission service for delivery of resources to the load must be requested and arranged for separately.

These studies were conducted using the best available information at the time of the study. Findings and recommendations are based on assumptions, which could change. BPA-TS reserves the right to modify any content in this report.

3 Impacted Parties

There are no impacted parties associated with this request.



4 Facilities

4.1 High Voltage Plan of Service

This ISIS evaluated a POI at Usk 230 kV ring bus substation through the existing Ponderay Newsprint Company connection. BPA was serving mill load to the Ponderay Newsprint Company connection, but in 2020, the load retired. Usk also connects the Bell-Usk #1 and Usk-Boundary #1 230 kV lines.

The ISIS concluded that the requested 100 MW data center could be interconnected at Usk 230 kV substation provided the reactive compensation and voltage control requirements are met. This interconnection is subject to the following requirements: (1) the 100 MW load needs to be near unity (.99 power factor as identified by the customer), (2) the 100 MW can only be data center load, (3) any additional load above 100 MW will need a new request and study.

4.2 Contingent Facilities

Interconnection of this project is not contingent upon completion of any prior projects or interconnection requests.

4.3 Communications Plan of Service

The plan of service for L0494 will require WECC Level I/BPA Class “B” compliant, fully-redundant fiber cables between the load substation and the POI substation.

Based on the existing communications infrastructure, no new communication equipment is required for this project.

4.3.1 Interconnection Station

For L0494, BPA-TS will not need to install any new equipment for this project.

4.3.2 Control Centers

For L0494, BPA-TS will not need to install any new equipment for this project.

4.4 Remedial Action Schemes

Remedial Action Schemes (RAS) performs actions in response to certain pre-defined outages on the transmission system to maximize transfer capabilities across the transmission system. Actions include, but are not limited to, load tripping, generator tripping, switching of shunt reactive compensation devices, and/or system configuration changes. Communications and RAS are required to meet WECC redundancy requirements.

No Remedial Action Schemes are required for this project.

4.5 Plant Reactive Requirements

Load with a low power factor increases losses and may also negatively impact system voltages, system voltage stability, and system transfer capability. Large load with a low power factor may also deplete dynamic reactive reserves of nearby generation, thereby making the system more



vulnerable to disturbances. For these reasons, BPA requires that the 100 MW load needs to be near unity (.99 power factor as identified by the customer) at the point of interconnection.

The load studied in for this interconnection was modeled with a power factor of 0.99. Provided the customer load meets the 0.99 power factor correction for its load at the point of interconnection, no further power factor correction or other reactive reinforcements are required on the BPA transmission system to accommodate this interconnection.

4.6 Protection, Control, and Monitoring Requirements

4.6.1 Relaying, Transfer Trip, and Auto-reclosing

The developer is responsible for control and relaying for the line and terminal at the L0494 project site.

4.6.2 Revenue or Interchange Metering and SCADA

Interchange meters are needed if the project is not in BPA's BAA. The revenue metering will connect to metering accuracy (0.15% accuracy class) CT's and PT's to the customer station. KWH telemetry will be required on a separate circuit. Analog kV, kW, LOMP, and KVar will be included on the SCADA system provided by BPA-TS for control and monitoring purposes. A dial-up RMS link will be required for meter data.

5 Estimates

5.1 Estimated Cost

This request is at Usk 230 kV substation through the existing Ponderay Newsprint Company connection and no construction or upgrades are required to the BPA transmission system. Therefore, no costs are expected for this project.

5.2 Estimated Schedule

This request is at Usk 230 kV substation through the existing Ponderay Newsprint Company connection. Therefore, the commercial operation date should be scheduled with the Bell District and control center.

6 Technical Analysis

6.1 Powerflow Results

Applicable contingencies were screened for thermal overloads and voltage violations. For all of the scenarios studied, there were no post-contingency thermal overloads or voltage violations directly related to the interconnection of this project.

6.2 Voltage Stability Results

Voltage stability results with this project demonstrate there is adequate voltage stability margin.

6.3 Transient Stability Studies

Transient stability results with this project are acceptable.



6.4 Short Circuit analysis

In general, short circuit studies are calculated for single-phase and three phase bus fault currents.

To determine the circuit breaker interrupting requirements, the maximum short-circuit current duty must be determined. The maximum short-circuit current is higher than the symmetrical short-circuit current calculated by sequence networks (i.e., Aspen program) due to the AC and DC component offsets which are defined by the inductance of the network at the node of interest. BPA-TS determines the maximum values by applying ANSI/IEEE Standard C37.010, section 5.3. Based on a symmetrical short-circuit study the Standard specifies that when the short-circuit current reaches 80% of a breaker short-circuit rating (70% within two transformations of a generator), a more exact method such as the E/X Method with Adjustment for AC and DC Decrements should be used. BPA-TS applies this method based on X/R ratio and adjusts the short-circuit current accordingly.

This project has a negligible impact on the faulty duty at the Usk 230 kV bus. Therefore, no substation breakers, disconnects, and grounding mats are expected to be upgraded for this project.

7 Communications Detailed Requirements

7.1.1 Typical Interconnection Station Requirements

7.1.2 Typical Customer Station Requirements

- Communications Media
 - Developer shall be responsible for installing, maintaining, and operating redundant, geographically diverse, minimum 10 foot aerial spacing, single mode fiber optic cables from the POI substation to the Customer substation. The fiber cables will comply with WECC requirements for Class I communications and BPA-TS Class B Compliance. BPA-TS will require a minimum of 24 strands from each cable for its use. BPA-TS will install, own and operate the redundant SONET 155.52 MBPS Optical Carrier system installed on the Developer's fiber cables.
- Voice
 - DATS (Dial Automatic Telephone System) installed by BPA-TS will be provided for maintenance purposes.
 - Service Channel installed by BPA-TS will be provided for maintenance purposes.
 - PSTN (Public Switch Telephone Network) will be provided by Developer for BPA-TS metering purposes.
- Data including metering installed by BPA-TS:
 - Dual metering will be at the low side of the 34.5/230kV step-up transformer at the Customer substation. It could be located on the high voltage side as well. Bi-directional metering is required and accuracy requirements for metering must be met.
 - GPS receiver for accurate time tagging.
 - Watt/VAR transducers are required to monitor the quantities of each line position to the POI Substation and the Developer's substation(s).
 - BPA-TS will collect PCB and relay status and alarm information from meters, transducers, relays, and other power system equipment



- A SER (Sequence of Events Recorder) will monitor, record and time-tag to one millisecond accuracy
- A FIN (Field Information Network) server is included for remote access for O&M purposes
- A NMS (Network Management System) RTU to monitor/alarm events on the communications media equipment
- Control installed by BPA-TS:
 - A SCADA RTU will monitor and alarm equipment.
- Protection:
 - BPA-TS will provide redundant transfer trip equipment at the Developer's substation which matches the equipment installed at BPA's POI substation. To meet WECC requirements, the Developer will provide redundant relays.
- RAS (Remedial Action Scheme):
 - Redundant WECC compliant RAS is required for this project
- General
 - Some of the BPA-TSC&C equipment will operate from the Customer substation station battery (125-129VDC). The communication equipment will operate from a BPA-TS supplied and installed 48VDC battery and redundant charger system. Load to be defined later.
 - The BPA-TS C&C equipment needs to be indoors (away from dirt/moisture) in a climate controlled facility between 60 and 80 degrees F.
 - For Cyber Security reasons in non-BPA-TS owned stations, BPA-TS Communications equipment, including but not limited to SONET, Channel Banks, Ethernet devices, FIN, and NMS will be housed in the control house in an alarmed, locked area.



8 Project Team

The project team for this request is as follows:

Role

Account Executive
 Account Specialist
 Line and Load Process Administrator
 Line and Load Program Lead
 Customer Service Engineer
 Transmission Planning Interconnection
 Coordinator
 Transmission Infrastructure Development
 Planning Supervisor
 Transmission Planning Engineer
 Communications Planning Engineer
 Environmental Specialist

Person

Adelle Harris
 Joseph Huntington
 Anna Cosola/Brian Galbraith
 Martin Wick
 Jared Lacambra

 Debby Hammack

 Christina Lee
 Akira Mendez-Sierra
 Prachthearat Ngoy
 Beth Belanger



From: Normandeau, Mike (BPA) - PSE-RONAN

Sent: Thu Dec 23 09:21:58 2021

To: April Owen; Tyler Whitney

Cc: Moore, Lisa A (BPA) - PSSE-MEAD-GOB; Patton, Kathryn B (BPA) - PSS-SEATTLE; Babaidhan, Sami A (BPA) - PSSE-MEAD-GOB

Subject: RE: Check In with Pend Oreille on Exhibit D and Letter for Jan. 1 Measurement Period Start

Importance: High

Attachments: 13090 Pend Oreille NLSL Ltr.doc.docx; 09PB-13090_EXD_R4_Word.docx

Two documents attached for review on our call later this morning.

1. Draft Letter responding to the NLSL Determination, plan to have this finalized and out to you next week
2. Draft Revision of Exhibit D, plan to have to you in early January for signature

Mike

From: April Owen <aowen@popud.org>

Sent: Thursday, December 23, 2021 8:58 AM

To: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Subject: [EXTERNAL] RE: Check In with Pend Oreille on Exhibit D and Letter for Jan. 1 Measurement Period Start

Good morning Mike,

Are there any documents that we need to review prior to this meeting?

Talk to you soon,

April.

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

From: Kruiswyk,Shannon M (CONTR) - PSSE-MEAD-GOB <smkruiswyk@bpa.gov> **On Behalf Of** Normandeau, Mike (BPA) - PSE-RONAN

Sent: Thursday, December 23, 2021 7:56 AM

To: Patton, Kathryn B (BPA) - PSS-SEATTLE; Moore, Lisa A (BPA) - PSSE-MEAD-GOB; April Owen; Tyler Whitney; Babaidhan, Sami A (BPA) - PSSE-MEAD-GOB

Subject: Check In with Pend Oreille on Exhibit D and Letter for Jan. 1 Measurement Period Start

When: Thursday, December 23, 2021 11:30 AM-12:00 PM (UTC-07:00) Mountain Time (US & Canada).

Where: Webex Meeting - Login information below

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Thursday, December 23, 2021

10:30 AM | (UTC-08:00) Pacific Time (US & Canada) | 1 hr

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[Global call-in numbers](#)

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[Pend Oreille County Public Utility District #1](#)



Department of Energy

Bonneville Power Administration
PO Box 640
Ronan, MT 59864

POWER SERVICES

«Date»

In reply refer to: PSE-Ronan

Mr. F. Colin Willenbrock
General Manager
Pend Oreille County PUD No. 1
PO Box 190
Newport, WA, 99156-0190

Dear Mr. Willenbrock:

Bonneville Power Administration (BPA) received on December 9, 2021, Pend Oreille County PUD No. 1's (Pend Oreille) request for a New Large Single Load (NLSL) facility determination for Ponderay Data, LLC (Ponderay Data), a high-density data center load, located at the Ponderay Newsprint site in Usk, Washington.

BPA is still reviewing Pend Oreille's request for a facility determination, but BPA and Pend Oreille expect the Ponderay Data load to begin commercial operation soon. Pursuant to Section V.B. of the April 2001 BPA NLSL Policy, the Ponderay Data load is expected to become an NLSL during the site's monitoring period of 1/1/2022 – 12/31/2022. Therefore, the load will be treated as a Planned NLSL. BPA will continue its work on the facility determination while monitoring the load growth for Ponderay Data.

The newsprint mill (Ponderay Industries, LLC, formerly Ponderay Newsprint Company) is an existing NLSL and will continue to be defined as such separate from the all high-density server loads co-located at the site. If at any point Ponderay Industries, LLC, restarts the newsprint load, BPA will require separate metering for the purposes of monitoring the newsprint and high-density server loads independently.

BPA will rely on existing meter points 1629, 1630, 1632 and 1775, located at the USK Interchange Point, for the purpose of monitoring the Ponderay Data load as a Planned NLSL. During this period BPA will subtract 4.521 MWs of load that is Grandfathered PF-eligible load for the existing NLSL newsprint load. Any load greater than the Grandfathered PF-eligible load will be monitored from 1/1/2022 through 12/31/2022 to determine if the Ponderay Data load grows by more than 87,600,000 kWh during that time.

A bi-lateral revision to the Pend Oreille's Exhibit D updating section 1, CF/CT and New Large Single Loads, to incorporate standard template language and documenting the planned NLSL treatment of the Ponderay Data load will be forthcoming.

Please feel free to contact me at (406) 676-2669 or email me at mrnormandeau@bpa.gov if you have any questions.

Sincerely,

Michael R. Normandeau
Account Executive

cc: April Owen, Pend Oreille
Tyler Whitney, Pend Oreille

bcc:

«Revenue Analyst» - «KSBP-4/KSBV-TPP-1»

«Contract Administrator» – «PSS-6/PSS-TPP-1»

«Other Applicable Customer Account Team Members – list alphabetically by org code»

C. Augustine – PSS-TPP-1

J. Hurlburt – PGL-5-Portland

«Account Specialist» – «PSS-6/PSS-SEATTLE/PSSE-MEAD-GOB»

CCM_Support – KSC-4 («Customer Name», «##»PB-«#####»)

Official File – PS«E/W» («File Code»)

«AName»:«abc»:«###»:«mm/dd/yy» (PBLAN-PS«X/LOC»-W:\PS«X»\PM\CORRESP\«#####»COV.docx)

Revision No. 4, Exhibit D
ADDITIONAL PRODUCTS AND SPECIAL PROVISIONS
January 1, 2022

This revision: (1) updates section 1, CF/CT And New Large Single Loads to incorporate standard template language; (2) adds the Ponderay Data Center, LLC to section 1.4 Planned NLSLs; (3) revises the Revisions clause in section 7 and (4) revises the Signatures clause in section 8.

1. CF/CT AND NEW LARGE SINGLE LOADS

1.1 Definitions

- 1.1.1 “Grandfathered Load” means, for purposes of this section 1 of Exhibit D, the cumulative total of the load growth at a facility of a Potential NLSL, a Planned NLSL, or a large load that is subject to monitoring for NLSL purposes which does not equal or exceed ten Average Megawatts in any consecutive 12-month monitoring period or periods.
- 1.1.2 “Planned NLSL” means the load at a facility that BPA and a customer have agreed, pursuant to the provisions of Section V.B. of the April 2001 Bonneville Power Administration New Large Single Load Policy, is expected to become an NLSL during the facility’s next consecutive 12-month monitoring period.
- 1.1.3 “Potential NLSL” shall have the meaning as described in section 23.3.3.2 of the body of the Agreement.

1.2 CF/CT Loads

Pend Oreille has no loads identified that were contracted for, or committed to (CF/CT), as of September 1, 1979, as defined in section 3(13)(A) of the Northwest Power Act.

1.3 Potential NLSLs

Pend Oreille has no identified potential NLSLs.

1.4 Planned NLSLs

Pend Oreille has one or more Planned NLSLs and elects to serve the Planned NLSLs listed below pursuant to section 23.3 and with resource amounts in Exhibit A that are not already used to serve any other portion of Pend Oreille’s Total Retail Load. BPA shall list such Dedicated Resources and Consumer-Owned Resources in section 4 or section 7.4, respectively, of Exhibit A.

End-use consumer's name: Ponderay Industries, LLC
Facility name: Ponderay Data, LLC
Facility location: Usk, WA
12-month monitoring period: January 1 to December 31
Date load confirmed as a Planned NLSL: January 1, 2022
Approximate load: Not Applicable
Planned NLSL description: Data Center

1.5 NLSLs

1.5.1 **Ponderay Industries LLC (Formerly Ponderay Newsprint) NLSL**

Pend Oreille has an NLSL and elects to serve the NLSL with resource amounts in Exhibit A that are not already used to serve any other portion of Pend Oreille's Total Retail Load. The Parties shall list such Dedicated Resources or Consumer-Owned Resources in section 4 or section 7.4, respectively, of Exhibit A. The Parties shall administer service to the following NLSL consistent with section 23.3 of the body of this Agreement.

End-use consumer name: Ponderay Industries, LLC, (Formerly Ponderay Newsprint Company)
Facility location: Usk, Washington
Date load determined as an NLSL: January 13, 1990
Approximate load: 58 annual Average Megawatts
Description of NLSL: Fiber mill
Manner of service:

- (1) Pend Oreille shall serve a portion of the Ponderay Industries NLSL with the following Dedicated Resources amounts, as listed in section 4 of Exhibit A, Net Requirements and Resources: Boundary and Box Canyon Dams.
- (2) As long as Pend Oreille continuously applies the Boundary and Box Canyon Dam Resources to its Ponderay Industries NLSL, BPA agrees to serve the non-NLSL load of the facility with power sold to Pend Oreille at a PF power rate.
- (3) In the event the Ponderay Industries NLSL exceeds the total output of the combined Boundary and Box Canyon Dam resources listed in section 4 of Exhibit A, Pend Oreille shall meet the remaining Ponderay Industries NLSL load from its own resources or purchases.

1.5.2 **Renewable Resource/Cogeneration Exception**

Pend Oreille's end-use consumer is not currently applying an onsite renewable resource or cogeneration facility to an NLSL.

1.6 Load Status at the End of the Consecutive 12-Month Monitoring Period

Under section 23.3.1 of the body of this Agreement, at the end of each consecutive 12-month monitoring period of a facility's load, BPA will determine if the metered load at a facility has grown by ten Average Megawatts or more during the preceding consecutive 12-month monitoring period.

If the load has grown by ten Average Megawatts or more in the preceding consecutive 12-month monitoring period, then the load is an NLSL, and BPA shall notify Pend Oreille of the NLSL designation and shall update this section 1. Any future increases in the load shall be part of the NLSL.

If the load has grown by less than ten Average Megawatts in the preceding consecutive 12-month monitoring period, then BPA shall notify Pend Oreille that the load remains a Potential NLSL or Planned NLSL, and BPA will continue to monitor the load growth in the subsequent consecutive 12-month monitoring period. BPA shall also determine if liquidated damages are applicable pursuant to section 1.9 below. BPA shall update section 1.7 below to add or revise the amount of Grandfathered Load to include the amount that the load increased during the preceding consecutive 12-month monitoring period.

1.7 Grandfathered Load for Potential NLSLs, Planned NLSLs, and NLSLs

Any Grandfathered Load will be included in the calculation of Pend Oreille's Firm Requirements Power eligible for service at BPA's PF rates.

BPA shall list any Potential NLSLs, Planned NLSLs and NLSLs with Grandfathered Load in the table below. Upon BPA's determination that a monitored load is an NLSL, all measured amounts of load of such NLSL that exceed the listed Grandfathered Load amount shall be Pend Oreille's NLSL and will be served in accordance with section 23.3 of the body of this Agreement and this section 1 of Exhibit D.

Grandfathered Load			
Facility Name	Status of NLSL	Energy	Peak
Ponderay Data, LLC	Planned NLSL	N/A	N/A
Ponderay Industries, LLC (Formerly Newsprint Company)	NLSL	4.521 aMW	4.521 MW

1.8 Additional Requirements for Planned NLSLs and NLSLs

1.8.1 Submittal of Initial Forecast

By June 30 of each year, unless another date is agreed to by the Parties, Pend Oreille shall provide BPA with forecasted energy amounts for each Diurnal period and peak amounts for each month to serve any Planned NLSLs and NLSLs for the upcoming Fiscal Year. BPA shall use Pend Oreille's initial forecast to determine the Dedicated Resource amounts required to serve the Planned NLSLs and NLSLs. However, if BPA determines Pend Oreille's initial forecast to be unreasonable, then BPA may replace Pend Oreille's initial forecast with a final forecast that BPA develops. If Pend Oreille is serving any Planned NLSLs or NLSLs with Dedicated Resource amounts, then BPA shall revise section 4 of Exhibit A to capture such amounts by September 15 of each year.

1.9 Liquidated Damages for Planned NLSLs

This section 1.9 will not apply if Pend Oreille's Net Requirement is greater than its applicable RHWL for the Fiscal Year(s) coinciding with a consecutive 12-month monitoring period. In addition, consistent with the Existing Resource removal terms and conditions of section 10.5 of the body of the Agreement, this section 1.9 will not apply to any Fiscal Year coinciding with a consecutive 12-month monitoring period when Pend Oreille's applicable Net Requirement does not change with the inclusion of the resource dedicated to serve the applicable Planned NLSL.

If BPA determines that a Planned NLSL has grown by less than ten Average Megawatts in the consecutive 12-month monitoring period just completed, then BPA shall charge and Pend Oreille shall pay BPA the annual liquidated damages charge calculated by BPA as follows:

1.9.1 Load Subject to Liquidated Damages

To calculate the load subject to liquidated damages, BPA will multiply the applicable load by the RHWL Ratio. The applicable load is defined as the metered load at the Planned NLSL(s) during the 12-month monitoring period minus any Grandfathered Load(s). The RHWL Ratio is defined as the lesser of: (1) the difference of the average of the applicable RHWL(s) during the 12-month monitoring period and the average of the applicable Annual Net Requirement(s) during the 12-month monitoring period divided by the Applicable Load or (2) one. The load calculation described in this section 1.9.1 is expressed in the following formula:

$$\text{Applicable Load} \times \text{RHWL Ratio} = \text{LD Load}$$

Where:

Applicable Load = the metered load at the Planned NLSL(s) – any Grandfathered load(s)

RHWM Ratio =

$$\text{Min} \left(\frac{\text{Average of RHWM}(s) - \text{Average of Net Requirement}(s)}{\text{Applicable Load}}, 1.0 \right)$$

LD Load = load subject to liquidated damages

1.9.2 **Annual Liquidated Damages Charge**

The annual liquidated damages charge shall be the greater of \$0 or the product of the load calculated in section 1.9.1 above and the difference between the average of the weighted average Powerdex Mid-Columbia Hourly Index prices for the applicable 12-month monitoring period and the weighted average of the applicable 12-month monitoring period Priority Firm Power Tier 1 Equivalent rate. The annual liquidated damages charge calculation described in this section 1.9.2 is expressed in the following formula:

$$\text{Max} (\$0, \text{LD Load} \times (\text{Average Market} - \text{Average Priority Firm}))$$

Where:

LD Load = load calculated in section 1.9.1 above

Average Market = the average of the weighted average Powerdex Mid-Columbia Hourly Index prices for the applicable monitoring period

Average Priority Firm = weighted average of the applicable 12-month monitoring period Priority Firm Power Tier 1 Equivalent rate

The Priority Firm Power Tier 1 Equivalent rate is subject to adjustment during the Rate Period in accordance with the Power Rate Schedules and General Rate Schedule Provisions. If the applicable Priority Firm Power Tier 1 Equivalent rate is adjusted, then BPA will use such applicable adjusted rate.

2. **RESOURCE SUPPORT SERVICES**

RSS is only available to Pend Oreille to support renewable resources that are added after September 30, 2006 and are Specified Resources used to serve Total Retail Load. Pend Oreille's purchase of RSS shall include those support services necessary and consistent with Pend Oreille's Block purchase to convert the actual scheduled output from the resource being supported into a flat annual block.

2.1 BPA shall develop the RSS products to support applicable Specified Resources listed in section 2 of Exhibit A for the FY 2012 through FY 2014 Purchase Period and offer such as a revision to this exhibit by August 1, 2009 and by August 1 prior to each Notice Deadline thereafter. Prior to that date, BPA shall provide Pend Oreille a reasonable opportunity to provide input into the

development of the products and the related contract provisions. By the November 1, 2009 Notice Deadline and each Notice Deadline thereafter, Pend Oreille shall notify BPA in writing of any RSS products it elects to buy from BPA under the terms of this Agreement and shall identify the applicable resource(s), for which it shall purchase the RSS product(s) for the upcoming Purchase Period. Such election shall be a binding commitment of both Parties. If Pend Oreille makes such election, the Parties shall revise this exhibit so that it incorporates the agreed changes to applicable provisions, including the applicable resource amounts, if known, by March 31, 2010 or by March 31 of the year following the Notice Deadline for future years. By September 30 of the last Rate Case Year prior to the first Rate Period when service begins, and by each applicable September 30 thereafter in accordance with the applicable incorporated contract language, BPA shall update the relevant tables included in the incorporated contract language with the applicable charges and any necessary updates to resource amounts.

- 2.2 If Pend Oreille adds a new Specified Resource within a Purchase Period to meet its obligations to serve Above-RHWM Load with Dedicated Resources, consistent with section 3.5.1 of the body of this Agreement, Pend Oreille may purchase DFS or FORS to support such resource. Pend Oreille shall request a copy of the then-current DFS or FORS standard contract provisions from BPA and shall notify BPA in writing by October 31 of a Rate Case Year that it elects to purchase DFS or FORS for the new Specified Resource under the terms stated in the then-current contract provisions and the terms of this section 2.2. Such election shall be a binding commitment of both Parties. The elected DFS or FORS will be effective at the start of the upcoming Rate Period. The duration of such purchase shall be for the remainder of the Purchase Period and for the following Purchase Period. If Pend Oreille makes such election, the Parties shall revise this exhibit by March 31 of the calendar year after Pend Oreille has given notice of its election. Such revision shall incorporate the agreed changes to applicable provisions, including the applicable resource amounts, if known. By September 30 of the last Rate Case Year prior to the first Rate Period when service begins, and by each applicable September 30 thereafter, in accordance with the applicable incorporated contract language, BPA shall update the relevant tables included in the incorporated contract language with the applicable charges and any necessary updates to resource amounts.

3. LIMITATIONS ON EXCHANGE OF EXISTING RESOURCES

- 3.1 **Option on Full ASC Participation and Alternative Contract**
BPA's 2008 Average System Cost (ASC) Methodology limits the loads and resource costs included in ASCs for consumer-owned utilities that sign a CHWM Contract. The TRM establishes a Tier 1 PF Exchange Rate for such consumer-owned utilities. Pursuant to section 12.2 of the body of this Agreement and section 20 of the Residential Purchase and Sale Agreement (RPSA), Pend Oreille is contractually precluded from seeking or receiving Residential Exchange Program (REP) benefits based on an ASC other than as

provided for in Section IV(G) of the 2008 ASC Methodology or its successor.

BPA and Pend Oreille understand and acknowledge that this is the first time BPA has attempted to implement an REP with two different ASC cost structures and two differing levels of benefits, and that as a consequence, the implementation of the REP may be revised over time. Because of the contractual preclusions in the paragraph above and because a limited number of consumer-owned utilities with CHWM Contracts may participate in the REP, the intent of this section 3 is to provide limited protection to such consumer-owned utilities from future changes in the REP.

Any impact to Pend Oreille's access to REP benefits, pursuant to section 5(c) of the Northwest Power Act, as a result of an action taken by BPA as required by a statutory change or final judicial action shall not be considered an Action as provided in section 3.2 below, shall not be subject to the criteria provided in section 3.3 below, and shall not make available the option provided in section 3.4 below.

Absent the exercise by Pend Oreille of the option set forth in section 3.4 below, nothing in this section 3 is intended to alter the application of any provision of the ASC Methodology.

3.2 **Actions**

If BPA takes any of the following Actions and such Actions meet the criteria specified in section 3.3, then Pend Oreille may elect the option set forth in section 3.4 below.

Action 1. BPA adopts, in a final record of decision issued in a section 7(i) proceeding for a Rate Period, a Base Tier 1 PF Exchange Rate for customers with CHWM Contracts which is calculated in a manner that differs from the following:

$$\text{Base T1 PF Exchange Rate} = \frac{(\text{PFCosts} - \text{PFCredits}) - (\text{T2Costs} - \text{T2Credits})}{\text{PFLoad} - \text{T2Load}} + \text{TmnAddr}$$

Where:

Base T1 PF Exchange Rate is the Base Tier 1 PF Exchange rate prior to the final allocation of any rate protection costs arising from the section 7(b)(2) rate test, as determined in each 7(i) Process.

PFCosts are all costs allocated in a 7(i) Process to the Priority Firm rates when the Base PF Exchange rate is calculated (also known as the unbifurcated PF rate) and prior to any reflection of the tiering of the PF Preference rate.

PFCredits are all credits allocated in a 7(i) Process to the Priority Firm rates when the Base PF Exchange rate is calculated (also known as

the unbifurcated PF rate) and prior to any reflection of the tiering of the PF Preference rate.

T2Costs are all costs allocated in a 7(i) Process to Tier 2 Cost Pools.

T2Credits are all credits allocated in a 7(i) Process to Tier 2 Cost Pools.

PFLoad is the BPA forecast of load used to determine the unbifurcated PF rate in a 7(i) Process.

T2Load is the BPA forecast of load used to determine Tier 2 Rates in a 7(i) Process.

TmnAddr is the same unit charge for transmission added to the Base PF Exchange rate.

The Tier 1 PF Exchange rate used to calculate Pend Oreille's REP benefits is the Base Tier 1 PF Exchange rate as modified by any Supplemental 7(b)(3) Rate Charge, as determined in each 7(i) Process and may be adjusted pursuant to the Supplemental 7(b)(3) Rate Charge Adjustment, any cost recovery adjustment clause, and any dividend distribution clause, as determined to be applicable to the Tier 1 PF Exchange rate in a 7(i) Process.

Action 2. BPA adopts, in a final record of decision, policy or interpretation, a method of calculating Pend Oreille's ASC for a Fiscal Year(s) of an Exchange Period pursuant to BPA's 2008 ASC Methodology or its successor that differs from the following formula:

$$\text{RHWM ASC} = \frac{\text{Contract System Cost} - \text{NewRes\$}}{\text{Contract System Load} - \text{NewResMWh}}$$

Where:

RHWM ASC is the ASC for Pend Oreille for an Exchange Period, as defined by BPA's 2008 ASC Methodology.

Contract System Cost is as defined in BPA's 2008 ASC Methodology.

NewRes\$ is the forecast cost of resources (including purchased power contracts) used under this Agreement to serve Pend Oreille's Above-RHWM Load. Such resources are exclusive of Pend Oreille's Existing Resources for CHWMs as specified in Attachment C, Column D, of the TRM, and exclusive of purchases of power at Tier 1 Rates from BPA. The costs included in NewRes\$ will be determined using a methodology similar to Appendix 1 Endnote d of BPA's 2008 ASC Methodology.

Contract System Load is as defined in BPA's 2008 ASC Methodology.

NewResMWh is the forecast generation from resources (including purchased power contracts) used under this agreement to serve Pend Oreille's Above-RHWM Load. Such resources are exclusive of Pend Oreille's Existing Resources for CHWMs specified in Attachment C, Column D, of the TRM, and exclusive of purchases of power at Tier 1 Rates from BPA.

Action 3. BPA offers Pend Oreille an RPSA with an Exchange Load used to calculate Pend Oreille's REP benefits payments that differs from the following formula, or interprets such RPSA in a manner that differs from the following formula:

$$\text{Actual RHWM Exchange Load} = \text{RRL} \times \text{T1Pctg}$$

Where:

Actual RHWM Exchange Load is the monthly residential and small farm load of Pend Oreille used to calculate the actual monthly REP payments to Pend Oreille as specified in the RPSA.

RRL is Pend Oreille's actual total qualifying residential and small farm retail load for a month as specified in the RPSA.

$$\text{T1Pctg} = \frac{\text{T1MWh} + \text{ExistResMWh}}{\text{TRL} - \text{NLSL}}$$

Where:

T1Pctg is BPA's forecast percentage of Pend Oreille's load that is expected to be served by purchases of power at Tier 1 Rates from BPA and from Pend Oreille's Existing Resources for CHWM, and will be computed for each Fiscal Year of the applicable Rate Period. Such computation will be performed in the applicable RHWM Process for the Rate Period.

T1MWh is the amount of power at Tier 1 Rates BPA forecasts to be purchased by Pend Oreille from BPA in each Fiscal Year of a Rate Period as forecast in each RHWM Process for a Rate Period.

ExistResMWh is the specified output of Pend Oreille's Existing Resources for CHWM, as specified in Attachment C, Column D, of the TRM.

TRL is BPA's forecast of Pend Oreille's Total Retail Load in each Fiscal Year of a Rate Period as forecast in each RHWM Process for a Rate Period.

NLSL is BPA's forecast of Pend Oreille's New Large Single Loads in each Fiscal Year of a Rate Period as forecast in each RHWM Process for a Rate Period.

Action 4. BPA adopts a final record of decision, policy or interpretation that changes the terms of the TRM or the 2008 ASC Methodology applicable to REP participants with CHWM Contracts and such change is not encompassed in Actions 1-3, and such change meets the criteria in section 3.3 for application of the option in section 3.4.

3.3 **Criteria**

The option set forth in section 3.4 below is available to Pend Oreille if BPA has taken any of the Actions 1-4 set forth in section 3.2 and the Actions taken, when considered in combination with all BPA actions being undertaken at that time, result in a material reduction in the REP benefits of the class of REP participants with CHWM Contracts. A reduction shall not be "material" for purposes of this section 3.3 if such Action(s), when considered in combination with all BPA actions being undertaken at that time, are applied to the provisions applicable to all REP participants and produce the same or comparable effects on all REP participants, even if such Action(s) results in an otherwise material reduction in the REP benefits of the class of REP participants with CHWM Contracts.

3.4 **Option**

If Pend Oreille believes that BPA has taken any of the Actions 1 through 4 set forth in section 3.2 that satisfies the criteria for this option as set forth in section 3.3, and if BPA has provided a public comment process as part of BPA's decision process (for the relevant Action of Actions 1 through 4 set forth in section 3.2) in which Pend Oreille has commented that BPA was proposing or about to take such Action, then Pend Oreille, within 30 calendar days of BPA taking such alleged Action(s), may provide written notice to BPA in accordance with section 20 of this Agreement requesting an alternative power sales contract without a CHWM. Upon receipt of such written notice,

BPA shall review the request and, within 60 calendar days, issue a written statement regarding whether the criteria of section 3.3 have been satisfied.

3.4.1 If BPA believes the criteria of section 3.3 have not been satisfied, the dispute shall be resolved through the dispute resolution provisions in section 22 of this Agreement, provided, however, that the sole function of arbitration shall be to determine whether the criteria of section 3.3 have been satisfied, not the exclusive remedy of money damages set forth in section 22.4 of this Agreement. If the dispute resolution results in a final determination that the criteria of section 3.3 have been satisfied, BPA shall have 90 calendar days from the date of such final determination to take curative action to restore the

REP benefits of the class of REP participants with CHWM Contracts to the level that would have existed had BPA not taken the Action(s) that resulted in the criteria of section 3.3 being satisfied; provided, however, that if BPA elects not to take such curative action within such 90 day period, BPA shall have 180 calendar days after the date of such determination to offer to Pend Oreille an alternative power sales contract without a CHWM.

- 3.4.2 If BPA determines that the criteria of section 3.3 have been satisfied, BPA shall have 90 calendar days from the date of such determination to take curative action to restore the REP benefits of the class of REP participants with CHWM Contracts to the level that would have existed had BPA not taken the Action(s) that resulted in the criteria of section 3.3 being satisfied; provided, however, that if BPA elects not to take such curative action, it shall have 180 calendar days after the date of such determination to offer to Pend Oreille an alternative power sales contract without a CHWM.
- 3.4.3 Such alternative power sales contract shall be for the same purchase obligation in section 3 of this Agreement that is in effect at the time the notice under this section 3.4 is provided to BPA. Pend Oreille acknowledges that the terms and conditions of such alternative power sales contract may vary from those contained in the CHWM Contract.
- 3.4.4 Pend Oreille shall notify BPA in accordance with section 20 no later than 60 calendar days after the date of its receipt of such alternative power sales contract whether it will terminate its CHWM Contract and execute such alternative power sales contract, or retain its CHWM Contract. If Pend Oreille fails to notify BPA within the 60-day period of its decision regarding its CHWM Contract, BPA's offer of the alternative power sales contract without a CHWM shall be withdrawn as of the 61st day and Pend Oreille will be conclusively presumed to have elected to retain its CHWM Contract.
- 3.4.5 If Pend Oreille provides BPA timely notice of its election to terminate its CHWM Contract and executes the alternative power sales contract, service under such alternative power sales contract shall not commence until the beginning of the Rate Period immediately following the Rate Period in which the alternative power sales contract is executed. Termination of Pend Oreille's CHWM Contract shall be effective at commencement of service under the alternative power sales contract.

4. **BILLING ADJUSTMENTS FOR PEND OREILLE'S REDUCED NET REQUIREMENT FOR FISCAL YEAR 2013**

In Revision No. 5 to Exhibit A of this Agreement, Pend Oreille's FY 2013 Net

Requirement was reduced mid-Fiscal Year to reflect its purchase of the Kalispel Tribe's portion of Box Canyon Dam for calendar year 2013. The reduction in Pend Oreille's FY 2013 Net Requirement has an effect on Pend Oreille's Non-Slice TOCA percentage for FY 2013.

BPA's 2012 General Rate Schedule Provisions (FY 2012-2013) do not make mid-Fiscal Year TOCA adjustments. As a result, BPA has undercharged Pend Oreille for power related charges for FY 2013.

Pend Oreille agrees that it shall pay BPA for the undercharged amount of \$10,340. BPA shall include the adjustment on Pend Oreille's bill the first month after the execution of this revision.

FY2013 Tier 1 Charges	Dollar Difference
Composite Charge Block	(\$60,444)
Non-Slice Charge Block	\$12,036
HLH Load Shaping	\$40,357
LLH Load Shaping	\$18,391
TOTAL	\$10,340

5. PEND OREILLE EXCESS ENERGY

If at any time BPA's deliveries of Firm Requirements Power exceed Pend Oreille's Total Retail Load ("Excess Energy"), then Pend Oreille shall make and maintain one or more agreements with an entity to store, exchange, and return the Excess Energy to Pend Oreille for later use to serve its Total Retail Load. Any such agreements by Pend Oreille shall be subject to the limitations set forth in section 23.5 regarding the disposition of Firm Requirements Power.

At BPA's request, Pend Oreille shall provide BPA an accounting at the end of each month of any Excess Energy stored and when such amounts were (or will be) returned to serve Pend Oreille's Total Retail Load.

6. PARTICIPATION IN ENERGY NORTHWEST'S AGGREGATED DEMAND RESPONSE PILOT PROJECT

Pursuant to the Aggregated Demand Response Pilot Project Agreement between BPA and Energy Northwest, an industrial customer in Pend Oreille's service territory is participating in an Aggregated Demand Response Pilot Project with Energy Northwest (ENW Pilot Project). The industrial customer and Energy Northwest have entered into a separate Aggregated Demand Response Pilot Project contract (Contract No. 14PM-12305) for the period April 1, 2015 through January 31, 2016, as may be extended per the terms of such contract, that states the terms and conditions of participation. Pend Oreille acknowledges that the industrial customer's participation in the ENW Pilot Project may cause short term reductions and subsequent increases to Pend Oreille's Total Retail Load that is served by BPA under the terms and conditions of this Agreement. All of Pend Oreille's obligations under this Agreement shall continue to apply while Pend Oreille's industrial customer is participating in the ENW Pilot Project. Pend Oreille acknowledges that

its industrial customer's participation in the ENW Pilot Project may have long-term impacts on Pend Oreille's Total Retail Load and load forecasting, and BPA shall not, under any circumstance, adjust any of Pend Oreille's current or future load forecasts or associated calculations to compensate for its industrial customer's participation in the ENW Pilot Project.

7. REVISIONS

Except for revisions to section 1, CF/CT and New Large Single Loads for determinations made by BPA under section 23.3 of the body of the Agreement and section 1 of this Exhibit D, this exhibit shall be revised by mutual agreement of the Parties to reflect additional products Pend Oreille purchases during the term of this Agreement.

8. SIGNATURES

This revision may be executed in several counterparts, all of which taken together will constitute one single agreement, and may be executed by electronic signature and delivered electronically. The Parties have executed this revision as of the last date indicated below.

PEND OREILLE COUNTY PUD NO. 1

UNITED STATES OF AMERICA
Department of Energy
Bonneville Power Administration

By _____

By _____

Name _____
(Print/Type)

Name _____
(Print/Type)

Title _____

Title _____

Date _____

Date _____

(PSE-W:\POWER\CONTRACT\CUSTOMER\PEND_OR_PUD\13090\13090 Exh D R4.docx) 12/21/21

From: Normandeau, Mike (BPA) - PSE-RONAN

Sent: Wed Dec 29 09:42:59 2021

To: Colin Willenbrock (cwillenbrock@popud.org); April Owen; Tyler Whitney

Cc: Patton, Kathryn B (BPA) - PSS-SEATTLE; Babaidhan, Sami A (BPA) - PSSE-MEAD-GOB; Moore, Lisa A (BPA) - PSSE-MEAD-GOB

Subject: NLSL Monitoring Period Letter

Importance: High

Attachments: 13090 Pend Oreille Response NLSL Facility Determination Ltr.pdf

Good Morning Colin,

Attached is a letter acknowledging that BPA will begin monitoring the Ponderay Data, high-density data center load, beginning on January 1, 2022. BPA will begin the formal NLSL determination in early CY 2022. Because the load forecast is expected to be greater than 10aMWs during the 12-month monitoring period, BPA considers this a Planned NLSL and will offer a revised Exhibit D in early January.

The Exhibit D revision will include standard BPA contract language that recognizes the Planned NLSL, as well as new language specifying how liquidated damages are to be applied if the load does not meet the 10aMW threshold by the end of the monitoring period. BPA will also update the naming conventions for the existing NLSL, Ponderay Newsprint.

At this time, BPA is unable to identify a scenario for liquidated damages considering that the PUD is already purchasing the maximum amount of Contract High Water Mark as part of the PUD's PF-Block purchase for FY 2022. If the Ponderay Data load does not meet the 10aMW threshold for the monitoring period, then this load would be considered PF-eligible load in the future.

If you have any questions, please do not hesitate to contact me.

Happy New Year.

Mike

Michael R. Normandeau

Account Executive | PSE – Power Services

Bonneville Power Administration

bpa.gov | P 406-676-2669 | C (b)(6)

[cid:image001.jpg@01D52C3E.DF0B9390cid:image008.jpg@01D52C3E.09FCE1E0cid:image009.jpg@01D52C3E.09FCE1E0cid:image010.jpg@01D52C3E.09FCE1E0cid:image011.jpg@01D52C3E.09FCE1E0cid:image012.jpg@01D52C3E.09FCE1E0](#)



Department of Energy

Bonneville Power Administration
PO Box 640
Ronan, MT 59864

POWER SERVICES

January 29, 2021

In reply refer to: PSE-Ronan

Mr. F. Colin Willenbrock
General Manager
Pend Oreille County PUD No. 1
PO Box 190
Newport, WA, 99156-0190

Subject: Pend Oreille Request for Facility Determination

Dear Mr. Willenbrock:

Bonneville Power Administration (BPA) and Pend Oreille County PUD No. 1 (Pend Oreille) executed a Regional Dialogue Power Sales Agreement, Contract No. 09PB-13090 (Agreement). Bonneville has received on December 9, 2021, Pend Oreille's request for a New Large Single Load (NLSL) facility determination for Ponderay Data, LLC (Ponderay Data), a high-density data center load, located at the Ponderay Newsprint site in Usk, Washington. Under Section 23.3 of Pend Oreille's Agreement, BPA is to make a Facilities Determination for any load at a plant site that may become a NLSL under section 3(13) of the Northwest Power Act.

BPA and Pend Oreille expect the Ponderay Data load to begin commercial operation soon. As such, the monitoring period for the load will be 1/1/2022 – 12/31/2022. Pursuant to Section V.B. of the April 2001 BPA NLSL Policy, the Ponderay Data load is expected to become an NLSL during the site's monitoring period. Therefore, the load will be treated as a Planned NLSL. BPA will complete a facility determination while monitoring the load growth for Ponderay Data.

The newsprint mill (Ponderay Industries, LLC, formerly Ponderay Newsprint Company) is an existing NLSL and will continue to be defined as such separate from the Ponderay Data high-density server loads co-located at the site. If at any point Ponderay Industries, LLC, restarts the newsprint load, BPA will require separate metering for the purposes of monitoring the newsprint and high-density server loads independently.

BPA will rely on existing meter points 1629, 1630, 1632 and 1775 for the purpose of monitoring the Ponderay Data load as a Planned NLSL. During this period BPA will subtract 4.521 MWs of load that is Grandfathered PF-eligible load for the existing NLSL newsprint load. Any load greater than the Grandfathered PF-eligible load will be monitored from 1/1/2022 through 12/31/2022 to determine if the Ponderay Data load grows by more than 87,600,000 kWh during that time.

A bi-lateral revision to the Pend Oreille's Exhibit D updating section 1, CF/CT and New Large Single Loads, to incorporate standard template language and documenting the planned NLSL treatment of the Ponderay Data load will be forthcoming.

Please feel free to contact me at (406) 676-2669 or email me at mrnormandeau@bpa.gov if you have any questions.

Sincerely,

MICHAEL
NORMANDEAU

Digitally signed by
MICHAEL NORMANDEAU
Date: 2021.12.29 10:12:01
-07'00'

Michael R. Normandeau
Account Executive

cc: April Owen, Pend Oreille
Tyler Whitney, Pend Oreille

From: April Owen

Sent: Wed Dec 29 10:03:18 2021

To: Normandeau, Mike (BPA) - PSE-RONAN

Cc: Tyler Whitney

Subject: [EXTERNAL] RE: Pend Oreille PUD - Ponderay Industries Facility Determination.pdf

Importance: Normal

Attachments: Pend Oreille PUD - Ponderay Industries Facility Determination ltr.pdf

Hi Mike,

Here's a dated, signed letter. Have a great New Year!

Thanks,

April.

April Owen

Director, Audit, Finance & Power Supply

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

509.447.9321 | aowen@popud.org | www.popud.org

From: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Sent: Thursday, December 23, 2021 9:38 AM

To: April Owen <aowen@popud.org>

Subject: RE: Pend Oreille PUD - Ponderay Industries Facility Determination.pdf

CAUTION: This email originated from outside of the POPUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

April,

Can we get this signed and dated. You can pre-date it back to the 9th. Doesn't need to be today.

Thanks.

Mike

From: April Owen <aowen@popud.org>

Sent: Thursday, December 9, 2021 1:58 PM

To: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>; Patton, Kathryn B (BPA) - PSS-SEATTLE <kbpatton@bpa.gov>

Cc: Tyler Whitney <TWhitney@popud.org>

Subject: [EXTERNAL] Pend Oreille PUD - Ponderay Industries Facility Determination.pdf

Mike and Kate,

Please find attached the Facility Determination letter for Ponderay Data.

Thanks for your patience!

April.

April Owen

Director, Audit, Finance & Power Supply

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

509.447.9321 | aowen@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)



Pend Oreille County Public Utility District

Administrative Offices - P.O. Box 190 • Newport, WA 99156 • (509) 447-3137 • FAX (509) 447-5824
Box Canyon Hydro Project - P.O. Box 547 • Ione, WA 99139 • (509) 446-3137 • FAX (509) 447-6790

December 9, 2021

Mr. Michael Normandeau
Bonneville Power Administration

Dear Mr. Normandeau,

Public Utility District No. 1 of Pend Oreille County (Pend Oreille PUD) is requesting that BPA make a Facility Determination under BPA's New Large Single Load (NLSL) Policy for the Ponderay Data, LLC ("Ponderay Data")¹ load.

Ponderay Data is co-located on the site of Ponderay Industries, LLC, a successor in interest to Ponderay Newsprint Company which is an existing NLSL. Ponderay Data will be capable of consuming a relatively small amount of power in Q4 2021 but intends to grow rapidly to between 20 MW and 100 MW by the end of the second quarter of 2022. The most recent load forecast for this site was submitted to BPA by email on September 2, 2021 and included the amounts that we propose to serve as a Planned NLSL. The timing for Ponderay Industries' restarting the newsprint load (the existing NLSL) remains contingent on BPA's completion of transmission studies, and the results of those studies.

Pend Oreille PUD has included preliminary information below to assist BPA in making the Facility Determination for the Ponderay Data site. Please note that Pend Oreille PUD has relied on information provided by Ponderay Data, and is not in a position to represent or independently verify the accuracy of this information. We hope that the Facility Determination can be concluded as soon as possible so that Ponderay Data and Pend Oreille PUD can move ahead with accurate knowledge of this load's treatment under BPA's NLSL Policy. To this end, we commit to providing BPA whatever additional data is requested as quickly as possible, subject to that data being provided by Ponderay Data.

Pend Oreille PUD intends to acquire non-federal resources to serve the Ponderay Data NLSL served by Pend Oreille PUD.

¹ Please note that there are multiple Ponderay entities that may comprise the end-user customer. Those include, but may not be limited to, Allrise Capital, Inc.; Ponderay Industries, LLC; Ponderay Data, LLC; Ponderay Real Estate, LLC; and Ponderay Renewable Fiber and Blockchain, LLC. Pend Oreille PUD is working to determine the corporate organizational structure of our customer so we can properly identify it/them, and will provide any updates to BPA on this matter when more information becomes available.

Information Provided to aid BPA in the NLSL Facility Determination:

- 1) Whether the load is operated by a single end-use consumer.

Yes, the non-paper making load at the Ponderay Industries site is operated by a single end-use customer, Ponderay Data, LLC. Ponderay Data, LLC is a limited liability company organized under the laws of the state of Washington. Please note that both the paper making process load and the Ponderay Data LLC data center load is owned by the same corporate parent, Allrise Capital, Inc.

Per Ponderay Data: "Note also that Allrise Capital, Inc. is considering the addition of other operational entities on the site which will be located on the property premises which will be consuming power with a high-capacity factor and power factor consistent with high density computing operations. Any of these new business entities added will be included as part of the Purchase Power Agreement currently being negotiated with the POPUD and will be metered separately 'behind the BPA & POPUD meter' so we can allocate the costs of power properly to each business entity on the premises."

- 2) Whether the load is in a single location.

Yes, the load is in a single location.

A legal description of the Ponderay Industries site is as follows:

Address: 422767 SR 20, Usk, WA 99180

Abbreviated legal Description: 3-59 F4 NE1/4; N1/2NW1/4; SE 1/4NW; NW1/4SE1/4; 08-32-44

- 3) Whether the load serves a manufacturing process which produces a single product or type of product.

The load will serve both cryptocurrency mining and high density computing services.

- 4) Whether separable portions of the load are independent. – N/A

- 5) Whether the load is contracted for, served or billed as a single load under Pend Oreille PUD's customary billing and service policy.

A contract has not been signed to date for power in excess of basic mill maintenance power. It is presumed that this load will be combined for billing purposes with the existing NLSL related to paper mill operations.

- 6) Consideration of facts from previous similar situations.

Pend Oreille PUD is aware that this load will need to be tracked separately from any existing NLSL paper mill operations. Interim configuration of the metering of this load will be dependent on whether the paper mill can restart in the near future.

- 7) Any other factors that Parties deem to be relevant.

Per Ponderay Data: "Like a more traditional manufacturing process, this enterprise will generate material benefits to the region, including local taxes, numerous relatively high wage employment opportunities, subcontracting and vendor supply opportunities and likelihood to attract additional capital investment in the area.

While it is energy intensive, the crypto mining and high-density computing load is clean, and non-emitting with high capacity factor and power factor, that can be beneficial to the BPA grid."

Thank you for your prompt attention to this matter. We will pass on updates on operational plans for Ponderay Data as they solidify.

Sincerely,

(b)(6)

April Owen
Director, Audit, Finance & Power Supply
Pend Oreille PUD

From: Colin Willenbrock

Sent: Tue Jan 04 15:40:01 2022

To: Galbraith,Brian T (BPA) - TPCC-TPP-4; Harris,Adelle L (TFE)(BPA) - TSES-TPP-2

Cc: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Wick,Martin A (BPA) - TPCV-TPP-4; Cosola,Anna M (BPA) - TPCC-TPP-4; David Hodder; Cook,Jeffrey W (BPA) - TP-DITT-2; Tyler Whitney; April Owen; Todd Behrend; Steve Wood; Dana Zentz; Christopher Mckey (christopher@energywestllc.com)

Bcc: amcosola@bpa.gov; btgalbraith@bpa.gov; jwcook@bpa.gov; jmlacambra@bpa.gov; mawickjr@bpa.gov

Subject: [EXTERNAL] Pend Oreille PUD Line and Load Interconnection Request

Importance: Normal

Attachments: Pend_Oreille_PUD_F6420_25e..pdf; 99-D-S061_R5 - Usk 230 115kV Substation Transformer T1 Three Line Diagram-Model.pdf

Dear Mr. Galbraith and Ms. Harris,

Please find attached Pend Oreille PUD's second Line and Load Interconnection Request (LLIR) on behalf of Ponderay Industries at the Usk, Washington site. The customer has requested that this Friday's scheduled "L0494 System Impact Study Report Review Meeting" serve the dual purpose of official "Kick-off Meeting" for this follow-on study request. The customer has further requested that BPA come to Friday's meeting prepared to discuss the facility upgrades that were estimated (i.e., \$15M +/- for capacitor banks and land purchases) in order to accommodate the original interconnection request and how those might change with this new request.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

**TECHNICAL REQUIREMENTS FOR INTERCONNECTION TRANSMISSION LINE AND
LOADS CONNECTION INFORMATION**

WHO SHOULD FILE THIS FORM: Any customer expressing an interest in connecting transmission line or loads to the Bonneville Power Administration's (BPA) Transmission Business Line System (TBL's). This application should be completed as soon as possible and returned to the BPA Transmission Account Executive in order to begin processing the request.

INFORMATION: This application will be used by BPA to determine if a System Impact and Facility Requirement Study are required. This study is used to determine the location (*Connection Point*), equipment requirements (*Requester and BPA TBL*), system modifications, etc. to connect transmission lines and/or loads. Sections 1 and 2 should be completed as soon as possible and returned to the BPA Transmission Account Executive. Section 3 must be completed if it is determined that a System Impact and Facility Requirement Study is required. Following completion of the study the Requester will receive a preliminary estimate for the utility interface requirements that may be used in calculating the overall project connection requirements.

SECTION 1 – INTERCONNECTION REQUESTER AND CONTRACTORS**A. Requester/Owner Information**

Company Name

Pend Oreille Public Utility District #1

Mailing Address

130 N Washington Ave

City	State	9 Digit Zip Code
Newport	WA	99156
Phone Number	Email Address	Contact Name
509 447 3137	cwillenbrock@popud.org	Colin Willenbrock

B. Connection Design/Engineering Architect (As applicable)

Company Name

Pend Oreille Public Utility District #1

Mailing Address

130 N Washington Ave

City	State	9 Digit Zip Code
Newport	WA	99156
Phone Number	Email Address	Contact Name
509 447 3137	dhodder@popud.org	David Hodder

C. Electrical Contractor (As Applicable)

Company Name

TBD

Mailing Address

City	State	9 Digit Zip Code
Phone Number	Email Address	Contact Name

**TECHNICAL REQUIREMENTS FOR INTERCONNECTION TRANSMISSION LINE AND
LOADS CONNECTION INFORMATION****Section 2 – General Specifications, Location, and Diagrams for Connection****Preliminary Review Information****A. Type of Connection**

<input type="checkbox"/> Radial Load	Comments Additional expansion of data center operations for Ponderay Industries/Ponderay Data, LLC (old Ponderay Newsprint) Site.
<input checked="" type="checkbox"/> Network Connection with Other Sources Present Operating Voltage (kV): 230	

B. Connection Point Location – Identify the BPA TBL Line or Substation

Street Address

422767 Highway 20

State Usk	County Pend Oreille	Nearest community Usk
Township T32	Range R44	Section 443208

Identify the BPA TBL Line or Substation Connection Point

BPA Usk 230 kV Substation

C. Type of Load: Identify the characteristics which best describe the type of load to be served. Include specific information for loads such as those associated with arc furnaces, large motor, etc.

PUD Customer is continuing the expansion of the former Ponderay Newsprint paper mill site as the site of a data center facility, with electric energy consumption being comprised of high density computing load. As set forth in the results report for ISIS L0494 dated December 6, 2021, BPA determined that 100 MW data center load with a "near unity" power factor can be delivered to the Usk site. In ISIS L0494, BPA noted that any additional load above 100 MW will require a new request. Accordingly, per ISIS L0494, PUD Customer requests additional power delivery capacity at the same 230 kV Usk point of interconnection that was studied in ISIS L0494.

For sake of clarity, please note the following with respect to section D below:

A) The estimates are for total load, including the 100 MW already determined available via ISIS L0494.

B) Please assume that all load as specified in Section 2D. below is at 0.98 or better power factor and operating at minimum 95% capacity factor.

C) Please assume that year #1 in section 2D below is 2022. Therefore 100 additional MW of capacity above what was studied in the December 2021 ISIS is requested by year end 2022.

D. Load Data (At the time of energization and every year for 10 years)

Value for Year:	1	2	3	4	5	6	7	8	9	10
Projected Peak Load [kW]	200,000	350,000 *	500,000 **	600,000	600,000	600,000	600,000	600,000	600,000	600,000
Summer Peak Load [kW]	200,000	350,000	500,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000
Winter Peak Load [kW]	200,000	350,000	500,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000
Anticipated Power Factor	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98

e. Quality of Service (Special Requirements such as power quality, frequency and duration of outages, etc.)

*Note 1: PUD Customer can and will quickly scale its load to utilize all delivery capacity that can be made available at this time. Please confirm what delivery capacity is available now with only minimal or no upgrading. For example, if material upgrades to the BPA system are necessary to serve the 150 MW incremental increase from year 1 to year 2, please present the results of the study to detail the specific level of PUD Customer's demand at which such material upgrades become necessary.

**Note 2: As mentioned in Note B) in section 2C above, for purposes of this study, please assume all load is high density computing load with power factor equal to or greater than 0.98.

F. Future Plans (Where known: Modification, changes, or additions affecting the connection or connected equipment)

TECHNICAL REQUIREMENTS FOR INTERCONNECTION TRANSMISSION LINE AND LOADS CONNECTION INFORMATION

See Note 1 and Note 2 above in Section 2E. PUD customer load is scalable, and can grow rapidly to use available power delivery capacity as soon as the capacity can be made available. Therefore if the requested amount of power delivery capacity cannot be made available in any year studied but especially in year 1 (2022) and year 2 (2023), please advise what amount of delivery capacity can be immediately available and what amount is subject completion of network upgrades.

Note 3: Please assume that all load can react to short notice signals from transmission provider so that load can come offline within minutes to help the BPA system react to unforeseen imbalances. Accordingly, please consider that this load will not require typical N-1 contingency level of reliability but rather can be taken offline quickly during temporary system contingency events.

G. Attach Electrical One-Line Diagram of the project that includes proposed protective relaying, breaker and switching arrangements, ground sources (*zero sequence*), and assumed electrical equipment parameters for the connection.

Title	Name (First, Last) (Please Print or Type)
General Manager	Colin Willenbrock
Signature	Date
DocuSigned by: (b)(6)	

TECHNICAL REQUIREMENTS FOR INTERCONNECTION TRANSMISSION LINE AND LOADS CONNECTION INFORMATION

Section 3 – Study Data Requirements

A. Network Power Flow Model (As required) (Enclose a model using approved WECC format)

B. Interconnecting Transmission Line(s) or Cable (Provide all parameters in physical units if applicable)

PUD customer load will not require interconnection of equipment operating at voltage levels greater than 13.8 kV. Please assume that future power deliveries will be transformed from 230 kV to 13.8 kV via equipment owned by PUD customer and connected to the PNC 230 kV bus (see electrical drawing attached).

Nominal voltage [kV]	Length (Miles)
----------------------	----------------

Transmission Line Impedances

Quantity	Positive Sequences	Zero Sequence
Series Resistance, R Ω		
Series Reactance X Ω		
Shunt Susceptance, B μ S (or $\mu\Omega^{-1}$)		
Will this line be built on common structures with other circuits? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Will this line be transformer-terminated at either end? If "yes", state which end(s) and the transformer identifier. <input type="checkbox"/> Yes <input type="checkbox"/> No	End:	Transformer:

C. Transformers (Provide parameters if applicable)

Identifier		Number of Windings		Autotransformer? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Winding	Nominal Voltage [kV]	Configuration (Δ or YG)	Nameplate MVA	/	/
H:			H to X:	/	/
X:			H to Y:	/	/
Y:			X to Y:	/	/
Tap Information	Winding (H, X, or Y)	Values: Operational [kV]	Available Taps [kV] / / / /		
Transformer Impedance:	Winding	H to X: % @ MVA	H to Y: % @ MVA	X to Y: % @ MVA	

D. System Data – Only applicable where generation resources are present or if the connection includes another network source. Provide a system equivalent ($R1$, $X1$, $R0$, $X0$ in per unit on a 100 MVA base) at the proposed Connection Point looking into the connecting system. These values should be determined such that the system model *does not* include the physical connection to the BPA System. Assuming there are no other connections to the BPA System at any other point, these quantities are available by computing a single line-to-ground "bus fault" at the proposed Connection Point.

Generation (If applicable), (Must follow the processes as described in this BPA form that are appropriate for a new generation interconnection.)

E. Reactive Equipment (Location, size, and rated voltage) More specific information is required for reactive with dynamic capability (SVC, TCSC, Sync Condensers, etc.)

To be filled out by the BPA Transmission Account Executive:		
Transmission Account Executive (Name)	Internal Routing	Phone Number
Region	E-Mail Address	
Copy of Interconnection Study Request and Attachments to: Transmission Planning Manager – TPP; System Protection Manager – TECC; Customer Service Engineering - TPC		

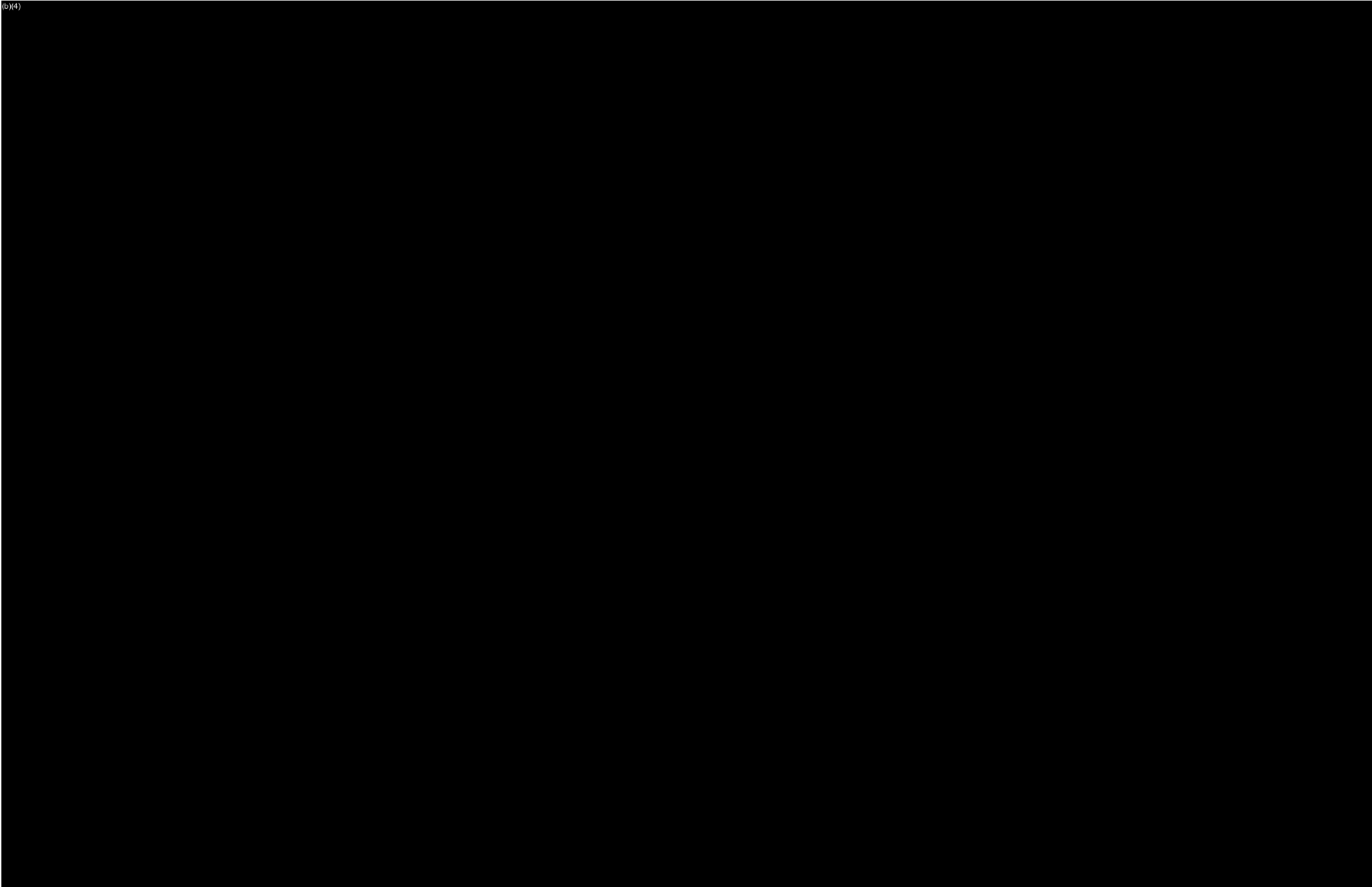
BPA F 6420.25e
(10-06)
5 of 5

U.S. DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION

Electronic Form
Approved by Forms
Mgmt. 10/20/2006

**TECHNICAL REQUIREMENTS FOR INTERCONNECTION TRANSMISSION LINE AND
LOADS CONNECTION INFORMATION**

(b)(4)



From: Galbraith,Brian T (BPA) - TPCC-TPP-4

Sent: Tue Jan 04 17:38:47 2022

To: Colin Willenbrock; Harris,Adelle L (TFE)(BPA) - TSES-TPP-2

Cc: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Wick,Martin A (BPA) - TPCV-TPP-4; Cosola,Anna M (BPA) - TPCC-TPP-4; David Hodder; Cook,Jeffrey W (BPA) - TP-DITT-2; Tyler Whitney; April Owen; Todd Behrend; Steve Wood; Dana Zentz; Christopher Mckey (christopher@energywestllc.com); Galbraith,Brian T (BPA) - TPCC-TPP-4; PWA Study

Subject: L0511 Pend Oreille PUD Line and Load Interconnection Request Acknowledgement

Importance: Normal

Dear Mr. Willenbrock,

This formally acknowledges that BPA has received Pend Oreille PUD No. 1's (Pend Oreille) Line and Load Interconnection Request (LLIR). The LLIR has been posted in BPA's Interconnection Queue as Request No. L0511, with a queue date of January 4, 2022.

Per your request I will add this to the January 7, 2022 L0494 System Impact Study Report review meeting agenda.

If you have any questions, please contact Adelle Harris at (360) 619-6090 or Jared Lacambra at (509) 822-4605.

Thank you,

Brian Galbraith

Line and Load Interconnection Administrator

Customer Service Engineering Contract Administration (TPCC)

Transmission Services

Bonneville Power Administration

(503) 230-5912

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Tuesday, January 4, 2022 3:40 PM

To: Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>

Cc: Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Cosola, Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; David Hodder <DHodder@popud.org>; Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Tyler Whitney <TWhitney@popud.org>; April Owen <aowen@popud.org>; Todd Behrend <tbehrend@ponderayindustries.com>; Steve Wood <swood@ponderayrfb.com>; Dana Zentz <dzentz@fishbayresources.com>; Christopher Mckey (christopher@energywestllc.com) <christopher@energywestllc.com>

Subject: [EXTERNAL] Pend Oreille PUD Line and Load Interconnection Request

Dear Mr. Galbraith and Ms. Harris,

Please find attached Pend Oreille PUD's second Line and Load Interconnection Request (LLIR) on behalf of Ponderay Industries at the Usk, Washington site. The customer has requested that this Friday's scheduled "L0494 System Impact Study Report Review Meeting" serve the dual purpose of official "Kick-off Meeting" for this follow-on study request. The customer has further requested that BPA come to Friday's meeting prepared to discuss the facility upgrades that were estimated (i.e., \$15M +/- for capacitor banks and land purchases) in order to accommodate the original interconnection request and how those might change with this new request.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

From: Normandeau, Mike (BPA) - PSE-ROAN

Sent: Thu Jan 06 17:28:24 2022

To: Colin Willenbrock (cwillenbrock@popud.org); April Owen; Tyler Whitney

Cc: Patton, Kathryn B (BPA) - PSS-SEATTLE; Babaidhan, Sami A (BPA) - PSSE-MEAD-GOB; Moore, Lisa A (BPA) - PSSE-MEAD-GOB

Subject: RE: NLSL Monitoring Period Letter

Importance: Normal

Attachments: 13090 Pend Oreille Response NLSL Facility Determination Ltr w-o bcc 1-6-2022.pdf

Let's try this again. With the correct date.

Apologies.

Mike

From: Normandeau, Mike (BPA) - PSE-ROAN

Sent: Wednesday, December 29, 2021 10:43 AM

To: Colin Willenbrock (cwillenbrock@popud.org) <cwillenbrock@popud.org>; April Owen <aowen@popud.org>; Tyler Whitney <TWhitney@popud.org>

Cc: Patton, Kathryn B (BPA) - PSS-SEATTLE <kbpatton@bpa.gov>; Sami A (BPA) - PSSE-MEAD-GOB Babaidhan (sababaidhan@bpa.gov) <sababaidhan@bpa.gov>; Moore, Lisa A (BPA) - PSSE-MEAD-GOB <lamoore@bpa.gov>

Subject: NLSL Monitoring Period Letter

Importance: High

Good Morning Colin,

Attached is a letter acknowledging that BPA will begin monitoring the Ponderay Data, high-density data center load, beginning on January 1, 2022. BPA will begin the formal NLSL determination in early CY 2022. Because the load forecast is expected to be greater than 10aMWs during the 12-month monitoring period, BPA considers this a Planned NLSL and will offer a revised Exhibit D in early January.

The Exhibit D revision will include standard BPA contract language that recognizes the Planned NLSL, as well as new language specifying how liquidated damages are to be applied if the load does not meet the 10aMW threshold by the end of the monitoring period. BPA will also update the naming conventions for the existing NLSL, Ponderay Newsprint.

At this time, BPA is unable to identify a scenario for liquidated damages considering that the PUD is already purchasing the maximum amount of Contract High Water Mark as part of the PUD's PF-Block purchase for FY 2022. If the Ponderay Data load does not meet the 10aMW threshold for the monitoring period, than this load would be considered PF-eligible load in the future.

If you have any questions, please do not hesitate to contact me.

Happy New Year.

Mike

Michael R. Normandeau

Account Executive | PSE – Power Services

Bonneville Power Administration

bpa.gov | P 406-676-2669 | C (b)(6)

[cid:image001.jpg@01D52C3E.DF0B9390cid:image008.jpg@01D52C3E.09FCE1E0cid:image009.jpg@01D52C3E.09FCE1E0cid:image010.jpg@01D52C3E.09FCE1E0cid:image011.jpg@01D52C3E.09FCE1E0cid:image012.jpg@01D52C3E.09FCE1E0](#)



Department of Energy

Bonneville Power Administration
PO Box 640
Ronan, MT 59864

POWER SERVICES

December 29, 2021

In reply refer to: PSE-Ronan

Mr. F. Colin Willenbrock
General Manager
Pend Oreille County PUD No. 1
PO Box 190
Newport, WA, 99156-0190

Subject: Pend Oreille Request for Facility Determination

Dear Mr. Willenbrock:

Bonneville Power Administration (BPA) and Pend Oreille County PUD No. 1 (Pend Oreille) executed a Regional Dialogue Power Sales Agreement, Contract No. 09PB-13090 (Agreement). Bonneville has received on December 9, 2021, Pend Oreille's request for a New Large Single Load (NLSL) facility determination for Ponderay Data, LLC (Ponderay Data), a high-density data center load, located at the Ponderay Newsprint site in Usk, Washington. Under Section 23.3 of Pend Oreille's Agreement, BPA is to make a Facilities Determination for any load at a plant site that may become a NLSL under section 3(13) of the Northwest Power Act.

BPA and Pend Oreille expect the Ponderay Data load to begin commercial operation soon. As such, the monitoring period for the load will be 1/1/2022 – 12/31/2022. Pursuant to Section V.B. of the April 2001 BPA NLSL Policy, the Ponderay Data load is expected to become an NLSL during the site's monitoring period. Therefore, the load will be treated as a Planned NLSL. BPA will complete a facility determination while monitoring the load growth for Ponderay Data.

The newsprint mill (Ponderay Industries, LLC, formerly Ponderay Newsprint Company) is an existing NLSL and will continue to be defined as such separate from the Ponderay Data high-density server loads co-located at the site. If at any point Ponderay Industries, LLC, restarts the newsprint load, BPA will require separate metering for the purposes of monitoring the newsprint and high-density server loads independently.

BPA will rely on existing meter points 1629, 1630, 1632 and 1775 for the purpose of monitoring the Ponderay Data load as a Planned NLSL. During this period BPA will subtract 4.521 MWs of load that is Grandfathered PF-eligible load for the existing NLSL newsprint load. Any load greater than the Grandfathered PF-eligible load will be monitored from 1/1/2022 through 12/31/2022 to determine if the Ponderay Data load grows by more than 87,600,000 kWh during that time.

A bi-lateral revision to the Pend Oreille's Exhibit D updating section 1, CF/CT and New Large Single Loads, to incorporate standard template language and documenting the planned NLSL treatment of the Ponderay Data load will be forthcoming.

Please feel free to contact me at (406) 676-2669 or email me at mrnormandeau@bpa.gov if you have any questions.

Sincerely,

MICHAEL
NORMANDEAU



Digitally signed by
MICHAEL NORMANDEAU
Date: 2022.01.06 14:57:07
-07'00'

Michael R. Normandeau
Account Executive

cc: April Owen, Pend Oreille
Tyler Whitney, Pend Oreille

From: Kevin Persyn

Sent: Fri Jan 07 14:48:40 2022

To: Gamby, Jason C (BPA) - KSM-4

Cc: April Owen

Subject: [EXTERNAL] Ponderay Site metering

Importance: Normal

Jason do you happen to know if you are using or intend to use the meter points at the Usk/Ponderay site? They are:

BPA

RMS

PAPER

"BUS A"

METER 12

1630 OUT

(20 MW)

BPA

RMS

FIBER

"BUS A"

METER 13

1775 OUT

LINE 1

BUS 'B'

A LINE

METER 14

1631 IN/1632 OUT

LINE 2

BUS 'C'

B LINE

METER 15

1628 IN/1629 OUT

The recorders appear to be functioning but possibly the CT's are open or something along those lines? Not sure if you are the exact right person to contact so if there is someone else can you direct me their way?

Best Regards

Kevin Persyn

IT/SCADA Technician

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington | Newport, WA 99156

509.447.6715 | kpersyn@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

From: Bolan, Kelly K (CONTR) - TPCR-TPP-4

Sent: Tue Jan 18 12:41:16 2022

To: Galbraith, Brian T (BPA) - TPCC-TPP-4; cwillenbrock@popud.org; dhodder@popud.org

Subject: RE: L0494 System Impact Study Report Review Meeting & L0511 Kickoff Meeting Minutes DRAFTS

Importance: Normal

Attachments: LLIP_Kickoff Meeting Minutes DRAFT_L0511.docx; LLIP_ISIS Study Review Meeting Minutes DRAFT_L0494.docx

Good afternoon,

Please see the attached Line and Load System Impact Study and Kickoff Meeting Minutes for L0494 and L0511 and make any edits as needed. Feel free to forward to those in attendance that are not reflected on this email. Forward back to me by **1:00pm Friday, January 21st** for processing. Failure to respond will be considered approval of the notes as written.

Thank you,

Kelly K. Bolan | VanderHouwen Contractor

Customer Service Reliability Program – TPCR

Program Support Specialist

@ Bonneville Power Administration

503.230.4106

kkbolan@bpa.gov

[cid:image001.png@01D467C1.0F29BE50](#)

MT

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

From: Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>

Sent: Tuesday, December 14, 2021 5:55 PM

To: Galbraith, Brian T (BPA) - TPCC-TPP-4; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB; Wick, Martin A (BPA) - TPCV-TPP-4; Idowu, Ayodele O (BPA) - TPMC-OPP-3; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Ngoy, Prachthearat (BPA) - TPMC-OPP-3; Rochelle, Patrick R (BPA) - TPPB-OPP-3; Stinnette, William W (CONTR) - EC-4; Bolan, Kelly K (CONTR) - TPCR-TPP-4; cwillenbrock@popud.org; dhodder@popud.org

Subject: L0494 System Impact Study Report Review Meeting

When: Friday, January 7, 2022 11:00 AM-12:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: Phone Conference: 509-822-4485 (b)(6)

**moving date

Good afternoon,

Please see attached agenda for the Line and Load System Impact Study Report Review Meeting regarding L0494 occurring January 7th, 2022 from 11:00am to 12:00pm.

For those of you that are calling in, the phone bridge information is listed in the attached agenda as well as here below:

Telephone Bridge

509-822-4485

Call ID: (b)(6)

Thank you.

Date	January 7 th , 2022	Customer Name	Pend Oreille County PUD No. 1
Time	11:00am to 12:00pm	Project	L0511, Ponderay Renewable Fiber and Blockchain Center Expansion
Room	Phone Conference		
Phone Bridge/Call-In #	509-822-4485 Call ID is: (b)(6)		
Attendees	Pend Oreille County PUD No. 1	BPA	
	Colin Willenbrock	Adelle Harris, Account Executive	
	April Own	Jared Lacambra (Host), Customer Service Engineer	
	Kevin Conway	Martin Wick, L&L Lead	
	Ty Whitney	Brian Galbraith, L&L Administrator	
	Todd Behrand (Pend Ind)	Ayodele Idowu, C&C Planning	
	Dana Zentz (Pend Ind)	Akira Mendez-Sierra, Planning	
	Steve Wood	Prachthearat Ngoy (Tay), C&C Planning	
		Patrick Rochelle, Planning	
		William (Walker) Stinnette, Environmental	
		Jacob Lewis, Customer Service Engineer	
	Kelly Bolan, Program Support		

Kickoff Meeting Agenda

Topic	SME	Notes
Welcome / Introductions - All	N/A	*Note continued discussion following L0494 completion <ul style="list-style-type: none"> No action for L0494
Project Description	Customer	<ul style="list-style-type: none"> Interconnection request similar as intended L0494 Site subject to further expansion – data center
Identify Issues	BAA, Planning, Communications, Environment, Energization Date	<ul style="list-style-type: none"> Load number is section D. of interconnection include the 100MW of load from L0494 Break points: To be identified in Feasibility Study Max load that can be added without upgrades. Cost/Customer of upgrades for Total amount of requested load. BAA – Avista <ul style="list-style-type: none"> Customer to discuss if BPA appropriate for BAA Comments / Questions <ul style="list-style-type: none"> Customer - Section C

		<ul style="list-style-type: none"> ○ Site subject to further expansion – data center ○ 100MW useful / upward to 200MW ○ Verification for additional capacity ○ Lots of notes for BPA to consider in study ● Customer - Section D <ul style="list-style-type: none"> ○ 200MW moving to 350MW – 2023 ○ 2024 – Dip in power factor due to space conditioning loads ○ Would like additional clarifications ● Customer - How quickly can expand load without triggering upgrades? ● Long term planning to include 494MW ● Nature of this load – controllable by customer ● Demand response load ● Outage tolerance? <ul style="list-style-type: none"> ○ Yes – closer to real time ● Source of reserves if need ● Timing important to prepare investment plan ● Customer willing to take curtailment <p>Planning</p> <ul style="list-style-type: none"> ● Will identify one break point ● After that all or none - increase to get capacity ● Stick with 2 break amounts ● Feasibility recommended <p>Environmental</p> <ul style="list-style-type: none"> ● Are we providing additional load? ● No further action
--	--	--

Next Steps

Action	Due Date
BPA will tender a Feasibility Study Agreement	<ul style="list-style-type: none"> ● \$20k deposit ● Feasibility agreement to follow ● Once agreement executed and funds received, study begins ● 45 days for study
BPA will tender a NEPA Study Agreement, if applicable	

Date	January 7 th , 2022	Customer Name	Pend Oreille County PUD No. 1
Time	11:00am to 12:00pm	Project	L0494 Ponderday Renewable Fiber and Blockchain Project
Room	Telephone Conference		
Phone Bridge/Call-In #	509-822-4485 Call ID is: (b)(6)		
Attendees	Pend Oreille County PUD No. 1	BPA	
	Colin Willenbrock	Adelle Harris, Account Executive	
	David Hedder	Jared Lacambra (Host), Customer Service Engineer	
	April Own	Martin Wick, L&L Lead	
	Kevin Conway	Brian Galbraith, L&L Administrator	
	Tyler Whitney	Ayodele Idowu, C&C Planning	
	Todd Behrand (Pend Ind)	Akira Mendez-Sierra, Planning	
	Dana Zentz (Pend Ind)	Prachthearat Ngoy (Tay), C&C Planning	
	Steve Wood	Patrick Rochelle, Planning	
		William (Walker) Stinnette, Environmental	
		Jacob Lewis, Customer Service Engineer	
		Kelly Bolan, Program Support	

Interconnection System Impact Study Review Meeting Agenda

Topic	SME	Notes
Welcome / Introductions - All	N/A	
System Impact Study Report Review	Planner / C&C	<ul style="list-style-type: none"> L0494: Study complete no further action as long as load is PF .99 and only data center load. Customer accepts study results L0494 deem completed
Identify Issues	Planning, Communications, Environment	
Discuss L0511 LLIR in lieu of separate kickoff	Planning, Communications,	*See Separate Kickoff Meeting Minutes for L0511

meeting	Environment	
---------	-------------	--

Next Steps

Action	Owner	Due Date
BPA will tender a Facilities Study/Pre Engineering Agreement		N/A
BPA will tender a NEPA Agreement, if applicable		

From: Normandeau, Mike (BPA) - PSE-RONAN

Sent: Wed Jan 19 13:32:05 2022

To: Tyler Whitney

Subject: RE: (Action Requested) Pend Oreille's Exhibit D Revision 4

Importance: Normal

Sounds good.

From: Tyler Whitney <TWhitney@popud.org>

Sent: Wednesday, January 19, 2022 2:27 PM

To: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>; April Owen <aowen@popud.org>

Subject: [EXTERNAL] RE: (Action Requested) Pend Oreille's Exhibit D Revision 4

Thanks, Mike. Yes, let's discuss this tomorrow. I also wanted to touch on a request from BPA's IT staff regarding metering data sharing with BPA's third-party vendor.

From: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Sent: Wednesday, January 19, 2022 1:26 PM

To: April Owen <aowen@popud.org>; Tyler Whitney <TWhitney@popud.org>

Subject: RE: (Action Requested) Pend Oreille's Exhibit D Revision 4

CAUTION: This email originated from outside of the POPUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon,

I did not want to forget to check in regarding the revision to Exhibit D. We can certainly cover on the call tomorrow

if there are any questions or concerns.

Thanks.
Mike

From: Normandeau, Mike (BPA) - PSE-ROANAN

Sent: Tuesday, January 11, 2022 11:40 AM

To: Colin Willenbrock (cwillenbrock@popud.org) <cwillenbrock@popud.org>; April Owen <aowen@popud.org>; Tyler Whitney <TWhitney@popud.org>

Cc: Moore, Lisa A (BPA) - PSSE-MEAD-GOB <lamoore@bpa.gov>; Patton, Kathryn B (BPA) - PSS-SEATTLE <kbpatton@bpa.gov>; Sami A (BPA) - PSSE-MEAD-GOB Babaidhan (sababaidhan@bpa.gov) <sababaidhan@bpa.gov>

Subject: (Action Requested) Pend Oreille's Exhibit D Revision 4

Importance: High

Good Morning Colin,

Attached is an updated Exhibit D (Revision 4) and a redline version for your review and approval.

This revision:

- (1) updates section 1, CF/CT and New Large Single Loads to incorporate standard template language;
- (2) adds the Ponderay Data Center, LLC to section 1.4, Planned NLSLs;
- (3) revises the Revisions clause in section 7; and
- (4) revises the Signatures clause in section 8.

The revision will be back-dated to January 1 to coincide with the Ponderay Data Center 12-month measurement period. If you find this exhibit acceptable, please sign and date the exhibit and return it to me at your earliest convenience.

Please let me know if there are any questions or concerns.

Thanks.

Mike

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[Pend Oreille County Public Utility District #1](#)

From: Normandeau, Mike (BPA) - PSE-ROANAN

Sent: Thu Jan 20 13:58:13 2022

To: Colin Willenbrock (cwillenbrock@popud.org); April Owen; Tyler Whitney

Cc: Patton, Kathryn B (BPA) - PSS-SEATTLE; Moore, Lisa A (BPA) - PSSE-MEAD-GOB; Babaidhan, Sami A (BPA) - PSSE-MEAD-GOB

Subject: DRAFT NLSL Determination Letter

Importance: Normal

Attachments: FacilitiesDeterminationLtr_Ponderay Data_Draft.docx

Hello Again,

Here's the draft NLSL Determination Letter. Let us know if you have any questions or interest in discussion the document further. Following the completion of the draft we will request BPA legal review. As Kate noted on the call, we will shoot to have this wrapped up by the end of February.

Thanks. Have a good weekend.

Mike



Department of Energy

Bonneville Power Administration
PO Box 640
Ronan, MT 59864

POWER SERVICES

February XX, 2022

In reply refer to: P-6

Mr. F. Colin Willenbrock, General Manager
Pend Oreille County PUD No. 1
PO Box 190
Newport, WA 99156-0190

Dear Mr. Willenbrock:

Pend Oreille County PUD No. 1 (Pend Oreille) and the Bonneville Power Administration (BPA) executed a Regional Dialogue Power Sales Contract, Contract No. 09PB-13090 (Contract), on December 1, 2008. Under section 23.3 of the Contract, BPA is required to make a Facility Determination for any load at a plant site that may become a New Large Single Load (NLSL) under section 3(13) of the Northwest Power Act.

On December 13, 2021, Pend Oreille informed BPA of the development of a new large load (Ponderay Data, LLC (Ponderay Data)) and of the planned service to this load located at the site of Ponderay Industries, LLC (formerly Ponderay Newsprint Company) on Pend Oreille's distribution system. Ponderay Data is co-located on the Ponderay Industries, LLC (Ponderay Industries) site, which is an existing NLSL. Pend Oreille stated in its letter that a substantial increase in the load is expected in the near future. Pend Oreille requested that BPA make a Facility Determination for NLSL purposes for the Ponderay Data load, which will be a data center. This new load is in addition to the existing NLSL newsprint load at the Ponderay Industries site, and is located at the Ponderay Industries site. The Ponderay Industries NLSL newsprint load is not currently operating, but is expected to restart in the future. Ponderay Data and Ponderay Industries are both owned by Allrise Capital, Inc. (Allrise).

FINDINGS

Pend Oreille and BPA have had extensive discussions regarding the development of this site, with the principals submitting data and plans to BPA for its review in anticipation of a Facility Determination. Due to the COVID-19 pandemic BPA has not been able to conduct a site visit to Ponderay Industries. In addition, BPA understands that Allrise is still working to restart the newsprint portion of the site load. It is not fully clear at this time what the final physical and electrical setup will be for both the newsprint and data center loads.

Therefore, with this letter, BPA is making this Facility Determination based on information submitted to BPA and consistent with the criteria stated in section 23.3.2 of the Contract for the Ponderay Data load. With the current information, BPA has concluded that the Ponderay Data load development consists of a facility that is separate from the Ponderay Industries existing NLSL under the Contract and BPA's NLSL Policy. The current description of this facility is:

The Ponderay Data, LLC site is a computer services installation, which will be co-located inside the existing Ponderay Industries site. It is currently being served out of the BPA Usk substation, with xxxx. The site is owned by Allrise Capital Inc., a corporation under the laws of XXXX.

Legal Description

Ponderay Data is located on the Ponderay Industries site, which consists of:

Address: 422767 SR 20, Usk, WA 99180

Abbreviated legal Description: 3-59 F4 NE1/4; N1/2NW1/4; SE 1/4NW; NW1/4SE1/4; 08-32-44

NLSL Measurement Period

The Measurement Period for the Ponderay Data facility is January 1, 2022 through December 31, 2022. This load excludes any construction load. Any future construction load at this site must be separately metered and excluded from production load measurements.

FACILITY DETERMINATION FACTORS

Consistent with section 23.3 and its NLSL policy, BPA has based this Facility Determination for the Ponderay Data load on the following factors:

Single End-Use Consumer: The high density computing load is operated by a single end-use customer, Ponderay Data, LLC. However, Ponderay Data and Ponderay Industries, the existing NLSL co-located at the site, are owned by the same entity, Allrise.

Geographical Separation: This load is co-located with the existing Ponderay Industries NLSL facility. However, at the time of this Facility Determination, only the Ponderay Data load is operating.

Electrical Separation: At the time of this Facility Determination, only the Ponderay Data load is operating. Currently, **{insert description of electrical connection in detail}**. A one line distribution system diagram illustrates the current service arrangement for the site.

There is up to 4.521 MWs of grandfathered PF eligible load associated with the maintenance of the Ponderay Industries newsprint site and machinery, which shall be subtracted from the load at the Ponderay Data site for the purposes of monitoring the Ponderay Data load. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Ponderay Data and Ponderay Industries will be electrically separated.

Separate Metering: At the time of this Facility Determination, only the Ponderay Data load is operating. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Ponderay Data and Ponderay Industries will be electrically separated and metered separately for the purposes of monitoring the newsprint and the data center loads independently.

Separate Billing: Pend Oreille has indicated that, at the time of this Facility Determination, no power sales contract has been signed between Pend Oreille and Allrise beyond the load needed to maintain the newsprint machinery and infrastructure. However, Pend Oreille presumes that the Ponderay Data load and the Ponderay Industries load (when restarted), will be billed under the same contract.

Separate Product Lines: Ponderay Data proposes to serve both cryptocurrency and high density computing services at the Ponderay Industries site. This load is distinct from the newsprint production load that historically operated at the site and that was determined to be an NLSL as of January 13, 1990.

Because there will be no means to identify or segregate products and services created by the data center load, BPA will consider any load growth in any part of the physical site related to the data center load to be added load growth to the Ponderay Data facility for load measurement and metering purposes.

As mentioned above, the Ponderay Industries newsprint load is not currently operating. Should the Ponderay Industries newsprint load resume production, BPA will need to complete a site visit to determine how the newsprint load is being electrically separated and metered separately from the data center load. Once a site visit has been completed, BPA will update this Facility Determination based on the findings of that site visit and what is described in this letter. The updated Facility Determination will be the final and permanent Facility Determination

Per Pend Oreille's request, Ponderay Data will begin being served with non-federal resources as a Planned NLSL. Pend Oreille expects the Ponderay Data load to increase by 10 average megawatts or more during the first 12-month Measurement Period, and when it does, BPA will declare such load growth an NLSL. After a load becomes an NLSL, all subsequent load growth at the facility will also be an NLSL under BPA's NLSL Policy. In such event that the Ponderay Data load does not become an NLSL in the first 12-month Measurement Period, a subsequent 12-month Measurement Period will commence and the load at the facility would then consist of two parts: a base amount (grandfathered amount) eligible for BPA service with federal power at the applicable PF rate, and a Planned NLSL amount, served with non-federal power.

Thank you for your understanding and cooperation. Please don't hesitate to call your Power Account Executive, Mike Normandeau, at (406) 676-2669 should you have any questions or concerns regarding this letter.

Sincerely,

Suzanne Cooper
Senior Vice President for Power Services

cc:

bcc:

Date	January 7 th , 2022	Customer Name	Pend Oreille County PUD No. 1
Time	11:00am to 12:00pm	Project	L0511, Ponderay Renewable Fiber and Blockchain Center Expansion
Room	Phone Conference		
Phone Bridge/Call-In #	509-822-4485 Call ID is: (b)(6)		
Attendees	Pend Oreille County PUD No. 1	BPA	
	Colin Willenbrock	Adelle Harris, Account Executive	
	April Own	Jared Lacambra (Host), Customer Service Engineer	
	Kevin Conway	Martin Wick, L&L Lead	
	Ty Whitney	Brian Galbraith, L&L Administrator	
	Todd Behrand (Pend Ind)	Ayodele Idowu, C&C Planning	
	Dana Zentz (Pend Ind)	Akira Mendez-Sierra, Planning	
	Steve Wood	Prachthearat Ngoy (Tay), C&C Planning	
		Patrick Rochelle, Planning	
		William (Walker) Stinnette, Environmental	
	Jacob Lewis, Customer Service Engineer		
	Kelly Bolan, Program Support		

Kickoff Meeting Agenda

Topic	SME	Notes
Welcome / Introductions - All	N/A	*Note continued discussion following L0494 completion <ul style="list-style-type: none"> No action for L0494
Project Description	Customer	<ul style="list-style-type: none"> Interconnection request similar as intended L0494 Site subject to further expansion – data center
Identify Issues	BAA, Planning, Communications, Environment, Energization Date	<ul style="list-style-type: none"> Load number is section D. of interconnection include the 100MW of load from L0494 Break points: To be identified in Feasibility Study Max load that can be added without upgrades. Cost/Customer of upgrades for Total amount of requested load. BAA – Avista <ul style="list-style-type: none"> Customer to discuss if BPA appropriate for BAA Comments / Questions <ul style="list-style-type: none"> Customer - Section C

		<ul style="list-style-type: none"> ○ Site subject to further expansion – data center ○ 100MW useful / upward to 200MW ○ Verification for additional capacity ○ Lots of notes for BPA to consider in study ● Customer - Section D <ul style="list-style-type: none"> ○ 200MW moving to 350MW – 2023 ○ 2024 – Dip in power factor due to space conditioning loads ○ Would like additional clarifications ● Customer - How quickly can expand load without triggering upgrades? ● Long term planning to include 494MW ● Nature of this load – controllable by customer ● Demand response load ● Outage tolerance? <ul style="list-style-type: none"> ○ Yes – closer to real time ● Source of reserves if need ● Timing important to prepare investment plan ● Customer willing to take curtailment <p>Planning</p> <ul style="list-style-type: none"> ● Will identify one break point ● After that all or none - increase to get capacity ● Stick with 2 break amounts ● Feasibility recommended <p>Environmental</p> <ul style="list-style-type: none"> ● Are we providing additional load? ● No further action
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Next Steps

Action	Due Date
BPA will tender a Feasibility Study Agreement	<ul style="list-style-type: none"> ● \$20k deposit ● Feasibility agreement to follow ● Once agreement executed and funds received, study begins ● 45 days for study
BPA will tender a NEPA Study Agreement, if applicable	

Date	January 7 th , 2022	Customer Name	Pend Oreille County PUD No. 1
Time	11:00am to 12:00pm	Project	L0511, Ponderay Data, LLC
Room	Phone Conference		
Phone Bridge/Call-In #	509-822-4485 Call ID is: (b)(6)		
Attendees	Pend Oreille County PUD No. 1	BPA	
	Colin Willenbrock	Adelle Harris, Account Executive	
	April Own	Jared Lacambra (Host), Customer Service Engineer	
	Kevin Conway	Martin Wick, L&L Lead	
	Ty Whitney	Brian Galbraith, L&L Administrator	
	Todd Behrand (Pend Ind)	Ayodele Idowu, C&C Planning	
	Dana Zentz (Pend Ind)	Akira Mendez-Sierra, Planning	
	Steve Wood	Prachthearat Ngoy (Tay), C&C Planning	
		Patrick Rochelle, Planning	
		William (Walker) Stinnette, Environmental	
		Jacob Lewis, Customer Service Engineer	
	Kelly Bolan, Program Support		

Kickoff Meeting Agenda

Topic	SME	Notes
Welcome / Introductions - All	N/A	*Note continued discussion following L0494 completion <ul style="list-style-type: none"> No action for L0494
Project Description	Customer	<ul style="list-style-type: none"> Interconnection request similar as intended L0494 Site subject to further expansion – data center
Identify Issues	BAA, Planning, Communications, Environment, Energization Date	<ul style="list-style-type: none"> Load number in section D. of interconnection includes the 100MW of load from L0494 Break points: Relating to how much delivery capacity is available without material upgrade cost - To be identified in Feasibility Study Primary result requested by Customer: Max load that can be added without upgrades, given load characteristics and flexibility as discussed and document on the LLIP form. Secondary result requested by Customer: Cost/Customer of upgrades for Total amount of requested load. BAA – Avista <ul style="list-style-type: none"> Customer to discuss if BPA appropriate for BAA

		<p>Comments / Questions</p> <ul style="list-style-type: none"> • Customer - Section C <ul style="list-style-type: none"> ○ Site subject to further expansion – data center ○ 100MW useful /near term objective to expand upward to 200MW ○ Verification for additional capacity ○ Lots of notes for BPA to consider in study • Customer - Section D <ul style="list-style-type: none"> ○ 100 MW moving to 200 MW if possible in 2022 ○ 200MW moving to 350MW – 2023 ○ 2024 – Dip in power factor due to space conditioning loads ○ Would like additional clarifications • Customer - How quickly can expand load without triggering upgrades? • Long term planning to include total load at site up to 600 MW. • Nature of this load – controllable by customer • Demand response load • Outage tolerance? <ul style="list-style-type: none"> ○ Yes – closer to real time • Source of reserves if need • Timing important to prepare investment plan • Customer willing to take curtailment <p>Planning</p> <ul style="list-style-type: none"> • Will identify one break point (load that can be served without material upgrade costs) • After that all or none - increase to get capacity • Stick with 2 break amounts • Feasibility recommended <p>Environmental</p> <ul style="list-style-type: none"> • Are we providing additional load? • No further action
--	--	--

Next Steps

Action	Due Date
BPA will tender a Feasibility Study Agreement	<ul style="list-style-type: none"> • \$20k deposit • Feasibility agreement to follow • Once agreement executed and funds received, study begins • 45 days for study

BPA will tender a NEPA Study Agreement, if applicable

From: Normandeau, Mike (BPA) - PSE-ROANAN

Sent: Fri Jan 21 15:12:28 2022

To: Colin Willenbrock (cwillenbrock@popud.org); Tyler Whitney; April Owen

Subject: Recent Article on Crypto

Importance: Normal

Article in the Spokesman Review. In case you didn't see it today.

Have a good weekend.

Mike

By [Orion Donovan-Smith orionds@spokesman.com](mailto:orionds@spokesman.com)(202) 853-2524; [Former BPA chief cautions lawmakers about cryptocurrency's impact on Northwest hydropower | The Spokesman-Review](#)

WASHINGTON – The former head of the Bonneville Power Administration and Chelan County Public Utility District cautioned a House oversight panel Thursday about the effect of cryptocurrency operations that have flocked to the Northwest in recent years in search of cheap hydropower.

At a hearing on the energy usage of blockchain technologies like Bitcoin, Steve Wright, who led the Wenatchee-based PUD until last April, told members of a House Energy and Commerce subcommittee what happened when Bitcoin miners started setting up their energy-intensive operations in Central Washington around 2014.

“These were small operations in shipping containers, vacant small businesses and residences” at first, Wright said, but soon the operations grew far bigger and caused concerns in the community over safety risks, how few local jobs the industry created relative to its energy use and a lack of tax revenue despite driving up energy costs for local residents.

Mining Bitcoin and other cryptocurrencies involves rooms full of computers working together solving complicated math problems to unearth a new coin. As more of the digital currency has been mined, the computing power required to acquire another coin has increased, leading to massive electricity usage even as the individual machines used have grown more efficient.

According to [a calculation by the University of Cambridge](#) in the United Kingdom, Bitcoin uses more electricity each year than the nations of Ukraine and Norway.

Throughout the hearing, Democrats expressed concerns over the impact of cryptocurrency energy use on efforts to reduce carbon emissions, citing Bitcoin operations that have reinvigorated struggling or shuttered [coal-fired power plants](#) in Montana and Upstate New York.

While the availability of relatively cheap hydroelectric power has made the Northwest an attractive destination for cryptocurrency operations, Wright said increased demand for low-carbon energy sources can drive up prices for residents. The rapid emergence of blockchain technologies like Bitcoin in less than a decade has posed a tough challenge to regulators in Congress.

“I think there was a lot of concern, candidly, about the potential for this decentralized and unregulated currency,” Wright said. “So when folks said to us, ‘We’d like for you to be the cryptocurrency capital of the world,’ I would say there was a skeptical reaction to whether that’s what we wanted to be or not.”

Republicans on the panel, meanwhile, warned that regulating the nascent industry could slow innovation and cautioned against Congress “picking winners and losers” by requiring cryptocurrency miners to use low-carbon energy sources.

“We in Congress have a duty, especially on this committee, to have a thoughtful approach to the technology,” said Rep. Neal Dunn, R-Fla. “We need to understand it and, importantly, ensure that new laws and new regulations are done right, implemented well and don’t strangle the innovation in this promising new technology for Americans.” Other GOP lawmakers objected to the topic of the hearing and the fact that the oversight panel had not met for nearly four months before Thursday’s partly virtual hearing, which most Democrats joined via video streams from their offices while Republicans sat in the hearing room.

Rep. Cathy McMorris Rodgers of Spokane, the top Republican on the Energy and Commerce Committee, used nearly all the time allotted for her opening remarks to hammer the Biden administration on a range of unrelated issues, from “not being tough on China” and “authoritarian actions” to combat the COVID-19 pandemic, to the withdrawal of U.S. troops from Afghanistan and illicit drugs crossing U.S. borders.

“Why are we not hearing from this administration about their failed COVID-19 response?” McMorris Rodgers said near the end of her remarks. “Why are we not demanding answers to uncover the origins of the COVID-19 pandemic? Despite these missed opportunities, I want to say thank you to the witnesses that are here. This is really transformational technology, blockchain.”

Members of the subcommittee used much of their time seeking to understand a complex issue [Congress is poised to regulate](#) this year.

Brian Brooks, CEO of Bitcoin mining and infrastructure company BitFury, told lawmakers that when he first encountered cryptocurrency about five years ago, “I think many people believed that the point of crypto was for

asset speculation, maybe it was even for money laundering, but they thought it was a solution in search of a problem.”

“And I think five years later people have figured out decentralization is what crypto is all about,” Brooks said. “It’s not just about replacing forms of money in financial transactions. What it’s about is replacing the concept of networks generally.”

Brooks and other witnesses described blockchain technology – a kind of database shared between many different computers rather than hosted on a single server – as a foundation that could serve many other purposes beyond the realm of cryptocurrency.

But Rep. Kim Schrier, a Democrat who represents Wenatchee, said that innovation has largely come at the expense of ratepayers east of the Cascades.

“Low-cost clean energy drew cryptocurrency companies around the world to Chelan and Douglas counties,” she said, “and over the last 10 years cryptocurrency companies have increased their demand for energy and at times this can threaten the available energy for homes and businesses in the region.”

From: Tyler Whitney

Sent: Mon Jan 24 12:36:35 2022

To: Normandeau, Mike (BPA) - PSE-ROANAN

Cc: April Owen

Subject: [EXTERNAL] Net Requirements Question

Importance: Normal

Hi Mike,

Allrise and its consultant, Dana Zentz, would like to have a discussion with BPA and POPUD to confirm the concepts we discussed last week around how net requirements are determined, and whether Allrise/Ponderay's planned NLSL status has any bearing on that. Are you available some time this week for a three-way call? I imagine it would also be good to have Kate or someone else from your team on the line to answer any more nuanced questions that come up.

Thank you,

Tyler

Tyler R. Whitney

General Counsel & Assistant General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.9331 | twitney@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

From: Normandeau, Mike (BPA) - PSE-ROANAN

Sent: Tue Jan 25 09:27:24 2022

To: Tyler Whitney; Patton, Kathryn B (BPA) - PSS-SEATTLE

Cc: April Owen

Subject: RE: Net Requirements Question

Importance: Normal

Tyler,

Since I don't have all the attendees, please go ahead and set up a Teams invite.

Thanks.

Mike

From: Tyler Whitney <TWhitney@popud.org>

Sent: Tuesday, January 25, 2022 8:59 AM

To: Normandeau, Mike (BPA) - PSE-ROANAN <mrnormandeau@bpa.gov>; Patton, Kathryn B (BPA) - PSS-SEATTLE <kbpatton@bpa.gov>

Cc: April Owen <aowen@popud.org>

Subject: [EXTERNAL] RE: Net Requirements Question

Good Morning Mike and Kate,

Let's do Friday from 12:00-1:00 Pacific Time. Would you like to send a link, or do you want me to send a Teams invite?

Thank you,
Tyler

From: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>
Sent: Monday, January 24, 2022 1:16 PM
To: Tyler Whitney <TWhitney@popud.org>; Patton, Kathryn B (BPA) - PSS-SEATTLE <kbpatton@bpa.gov>
Cc: April Owen <aowen@popud.org>
Subject: RE: Net Requirements Question

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Sure thing.

Looking at our calendars:
Tuesday: 10am-1pm, 2-4pm
Wednesday: 8am to 10:30am
Thursday: 2-4pm (could use our regularly scheduled time if necessary)
Friday: 11am-4pm

All times in Pacific.

Thanks.
Mike

From: Tyler Whitney <TWhitney@popud.org>
Sent: Monday, January 24, 2022 1:37 PM
To: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>
Cc: April Owen <aowen@popud.org>
Subject: [EXTERNAL] Net Requirements Question

Hi Mike,

Allrise and its consultant, Dana Zentz, would like to have a discussion with BPA and POPUD to confirm the concepts we discussed last week around how net requirements are determined, and whether Allrise/Ponderay's planned NLSL status has any bearing on that. Are you available some time this week for a three-way call? I imagine it would also be good to have Kate or someone else from your team on the line to answer any more nuanced questions that come up.

Thank you,
Tyler

Tyler R. Whitney
General Counsel & Assistant General Manager
Public Utility District No. 1 of Pend Oreille County
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Newport, Washington 99156
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[Pend Oreille County Public Utility District #1](#)

From: Colin Willenbrock

Sent: Tue Jan 25 18:57:21 2022

To: Bolan, Kelly K (CONTR) - TPCR-TPP-4

Subject: [EXTERNAL] Re: L0494 System Impact Study Report Review Meeting & L0511 Kickoff Meeting Minutes FINAL

Importance: Normal

Kelly,

The last draft included our only changes. Sorry for any confusion. No additional time is needed.

Thank you,
Colin

On Jan 21, 2022, at 2:56 PM, Bolan, Kelly K (CONTR) - TPCR-TPP-4 <kkbolan@bpa.gov> wrote:

Good afternoon Colin,

Of course you can propose such changes. If you need more time into next week, that is just fine. I will send all your changes internally to be noted. We can always revise final meeting minutes. It is more important to have the most accurate information documented.

Please let me know how much time is needed, and I will calendar my follow up.

Have a wonderful weekend everyone.

Kelly

Kelly K. Bolan | VanderHouwen Contractor

Customer Service Reliability Program – TPCR

Program Support Specialist

@ Bonneville Power Administration

503.230.4106

kkbolan@bpa.gov

<https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.vanderhouwen.com%2F&data=04%7C01%7Ccwillenbrock%40popud.org%7C839dd4ac1fef428ebca708d9dd315090%7C6a9881bc1e9748068532be90f3b64408%7C0%7C0%7C637784026169109239%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6lk1haWwiLCJXVCi6Mn0%3D%7C3000&sdata=XipX0vpgwLUM1to5jnBMHFE0VTTZsR70a99O8vfk8d0%3D&reserved=0>

<image001.png>

MT

From: Colin Willenbrock <cwillenbrock@popud.org>
Sent: Friday, January 21, 2022 2:43 PM
To: Bolan, Kelly K (CONTR) - TPCR-TPP-4 <kkbolan@bpa.gov>
Cc: Tyler Whitney <TWhitney@popud.org>; David Hodder <DHodder@popud.org>
Subject: [EXTERNAL] RE: L0494 System Impact Study Report Review Meeting & L0511 Kickoff Meeting Minutes FINAL

Kelly,

I do apologize for missing the 1pm deadline. We were awaiting comments from the customer who participated in the meeting. Specifically, there were questions we needed to run-to-ground regarding the reference to "494MW" for long term planning. No one on our end could recall any discussion on that specific number. I've attached the draft minutes document with our proposed edits. If these cannot be incorporated into the finalized minutes, we would respectfully request that this draft be added to the record for reference.

Thank you,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

From: Bolan, Kelly K (CONTR) - TPCR-TPP-4 <kkbolan@bpa.gov>

Sent: Friday, January 21, 2022 2:33 PM

To: Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Idowu, Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Ngoy, Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Rochelle, Patrick R (BPA) - TPPB-OPP-3 <prrochelle@bpa.gov>; Stinnette, William W (CONTR) - EC-4 <wwstinnette@bpa.gov>; Colin Willenbrock <cwillenbrock@popud.org>; David Hodder <DHodder@popud.org>

Subject: L0494 System Impact Study Report Review Meeting & L0511 Kickoff Meeting Minutes FINAL

CAUTION: This email originated from outside of the POPUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Please see the attached finalized meeting minutes for L0494 and L0511.

Thank you.

Kelly K. Bolan | VanderHouwen Contractor

Customer Service Reliability Program – TPCR

Program Support Specialist

@ Bonneville Power Administration

503.230.4106

kkbolan@bpa.gov

<https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.vanderhouwen.com%2F&data=04%7C01%7Ccwillenbrock%40popud.org%7C839dd4ac1fef428ebca708d9dd315090%7C6a9881bc1e9748068532be90f3b64408%7C0%7C0%7C637784026169109239%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6lk1haWwiLCJXVCi6Mn0%3D%7C3000&sdata=XipX0vpgwLUM1to5jnBMHFE0VTTZsR70a99O8vfk8d0%3D&reserved=0>

<image004.png>

MT

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

From: Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>

Sent: Tuesday, December 14, 2021 5:55 PM

To: Galbraith, Brian T (BPA) - TPCC-TPP-4; Harris, Adelle L (TFE)(BPA) - TSES-TPP-2; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB; Wick, Martin A (BPA) - TPCV-TPP-4; Idowu, Ayodele O (BPA) - TPMC-OPP-3; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Ngoy, Prachthearat (BPA) - TPMC-OPP-3; Rochelle, Patrick R (BPA) - TPPB-OPP-3; Stinnette, William W (CONTR) - EC-4; Bolan, Kelly K (CONTR) - TPCR-TPP-4; cwillenbrock@popud.org; dhodder@popud.org

Subject: L0494 System Impact Study Report Review Meeting Minutes FINAL and L0511

When: Friday, January 7, 2022 11:00 AM-12:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: Phone Conference: 509-822-4485 (b)(6) #

**moving date

Good afternoon,

Please see attached agenda for the Line and Load System Impact Study Report Review Meeting regarding L0494 occurring January 7th, 2022 from 11:00am to 12:00pm.

For those of you that are calling in, the phone bridge information is listed in the attached agenda as well as here below:

Telephone Bridge

509-822-4485

Call ID: (b)(6)

Thank you.

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[Pend Oreille County Public Utility District #1](#)

From: Normandeau, Mike (BPA) - PSE-ROANAN

Sent: Wed Feb 09 11:40:20 2022

To: April Owen; Tyler Whitney

Subject: NLSL Determination Letter and Second NLSL Notification

Importance: High

Hello April and Tyler,

I need to check on the NLSL DRAFT determination letter. If you can provide us with the information Kate highlighted in the letter, that would be helpful. It will allow us to move the document into the legal review stage on our end.

The items we are most concerned about:

1. Description of the physical mill site (how many buildings, number of transformers on site, where they think the data miners will be physically located and electrically connected).
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Would also be helpful to know if/when the second potential NLSL is expected to begin. I'd prefer to stay ahead of this project for the purposes of giving us time to figure out the monitoring process.

Let me know if there are any questions.

Mike

From: Tyler Whitney

Sent: Wed Feb 09 15:00:28 2022

To: Normandeau, Mike (BPA) - PSE-RONAN; April Owen

Subject: [EXTERNAL] RE: NLSL Determination Letter and Second NLSL Notification

Importance: Normal

Hi Mike,

Thank you for the reminders. We will get you the comments/info on the NLSL draft determination letter ASAP. We will also plan to send you the letter notifying BPA formally of the second potential NLSL before our meeting next week so we can discuss on Thursday if need be.

Thank you,

Tyler

From: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Sent: Wednesday, February 9, 2022 11:40 AM

To: April Owen <aowen@popud.org>; Tyler Whitney <TWhitney@popud.org>

Subject: NLSL Determination Letter and Second NLSL Notification

Importance: High

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[Pend Oreille County Public Utility District #1](#)

From: Zayac,Joleen M (CONTR) - TEBI-TPP-1

Sent: Thu Feb 10 15:42:49 2022

To: cwillenbrock@popud.org

Cc: Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Lewis,Lance E (BPA) - TPWC-TPP-4; Harris,Adelle L (TFE)(BPA) - TSES-TPP-2; Galbraith,Brian T (BPA) - TPCC-TPP-4; PWA Study; TEBI Reimbursable Team

Subject: Reimbursement Notification from BPA (Agreement 21TP-12420) L0494: Ponderay Renewable Fiber & Blockchain LLIR_Credit Invoice MSC-15661

Importance: Normal

Attachments: 12420_FINAL_MSC-15661.pdf

Hi Colin,

Please find attached a copy of a credit invoice for a refund due for project costs incurred in the agreement listed in the subject line.

The balance of Pend Oreille's deposit in the amount of \$1,985.73 will be deposited into the bank account BPA has on file on or within 2-3 business days of 3/1/2022.

Please forward on to anyone within your organization who may need this information.

Thanks,

Joleen

Joleen Zayac

(ContR) Flux Resources, LLC

Financial Analyst - TEBI-TPP-1

Transmission Engineering Business Intelligence & Integrity

Bonneville Power Administration

jmzayac@bpa.gov | P 360.619.6916

Facebook-Icon_31x31_v3Flickr-Icon_31x31Instagram-Icon_31x31LinkedIn-Icon_31x31[Twitter_31x31](#)YouTube_
31x31

CREDIT INVOICE

Remit Payment To:

Please remit payment to BPA electronically. BPA accepts wire transfers, ACH payments or payment via credit or debit card.

For information and instructions on payment options, refer to

<https://www.bpa.gov/goto/HowToPay>

Invoice: MSC-15661
 Invoice Date: 2/9/2022
 Page: 1 of 2

Customer No: 10306
 Payment Terms: NET 20
 Due Date: 3/1/2022

Pend Oreille County PUD No 1
 ATTN: COLIN WILLENBROCK
 PO Box 190
 Newport WA 99156

Amount Due/ (Refund): (\$1,985.73) USD

For billing questions, please call:
 JOLEEN ZAYAC
 360-619-6916

For payment questions, please call:
 Accounts Receivable 503-230-5788
 Or e-mail: AR@bpa.gov

Original

Description		Net Amount
1	Project Studies	\$28,014.27
2	Customer Advance	(\$30,000.00)
Amount Due/ (Refund):		(\$1,985.73) USD

Billing Notes:

Refund Due to Pend Oreille County PUD No. 1 for project costs associated with agreement:

21TP-12420

L0494: Ponderay Renewable Fiber & Blockchain LLIR

THIS IS FINAL ACCOUNTING

CC'S

J. Lacambra: TPCF

J. Lewis: TPCF

A. Harris: TSE/TPP-2

B. Galbraith: TPCC/TPP-4

Completed WO File: TEBI/TPP-1

PWA Study

PLEASE SEE ENCLOSED NOTICE OF DEBTOR RIGHTS
 PO BOX 3621 Portland OR, 97208-3621



RECEIVABLES DUE FROM THE PUBLIC**NOTICE OF DEBTOR RIGHTS**

This invoice represents a claim and demand for payment of the United States of America, Department of Energy, acting by and through the Bonneville Power Administration (BPA) for collection. Please review the invoice for the basis of the indebtedness.

This debt will be collected in accordance with the Debt Collection Improvement Act and associated regulations posted by the US Department of Treasury (Treasury) in Part 900 of Title 31 in the Code of Federal Regulation (CFR) and the US Department of Energy in Part 1015 of the Title 10 of the CFR. Additional information may be found at: <https://fiscal.treasury.gov/dms/legal-authorities/debt-collection-authorities.html>

1. Please be advised that pursuant to 10 CFR §1015.202 as a debtor to BPA, you have the right to:
 - a. Receive a written notice concerning the basis for the indebtedness;
 - b. The right to inspect and copy BPA records related to the debt;
 - c. Request a reconsideration of the debt including a consideration for waiver or compromise;
 - d. Request to discuss alternative methods of payment;
 - e. BPA will authorize the US Treasury to utilize collection tools such as credit bureau reporting, private collection agencies, administrative wage garnishment, Federal salary offset, tax refund offset, administrative offset, litigation, and other tools, as appropriate, to collect the debt;
 - f. Prior to referring a debt for litigation, BPA will advise each person determined to be liable for the debt that, unless the debt can be collected administratively, litigation may be initiated. This notification will comply with Executive Order 12988 (3 CFR, 1996 Comp, pp. 157-163).
2. A written request to inspect and copy records associated with this debt, or to request a review, or request a repayment agreement must be received by BPA within 15 days from the due date of this invoice and sent to:

U.S Department of Energy, Bonneville Power Administration
 Manager, Financial Operations
 P.O. Box 3621, FTO-2
 Portland, OR 97208-3621
 Email: AR@bpa.gov
3. Failure to pay this debt on time and in full will result in late charges including possible fees and other charges assessed in accordance with the applicable terms and conditions of the contract or 10 CFR §1015.212.
4. BPA reserves the right to pursue internal administrative offset at its sole discretion consistent 10 CFR §1015.203 against any payable due to the debtor should this debt become delinquent.
5. If payment is not received or you have not contacted BPA to make payment arrangements by 60 days from the invoice due date, BPA may refer the debt to the U.S. Department of the Treasury to enforce collection without further notice to you.
6. Pursuant to 31 U.S.C. §3716(c)(6), BPA is required to transfer all debts over 120 days delinquent to the US Treasury Cross Servicing for purposes of debt collection.
7. Except as otherwise contractually provided, payments made by a debtor are applied to the outstanding balance of the debt in the following order: penalties, administrative costs, interest and principal.
8. If you have filed for bankruptcy and the automatic bankruptcy stay is in effect, you are not subject to offset while the stay is in effect. Please notify BPA Manager of Finance Operations noted above of the stay by sending evidence concerning the bankruptcy.
9. Excess collections will be refunded to the debtor, unless prohibited by law following receipt of a written request for a refund by the debtor.
10. If you have any questions regarding your payment, please contact Accounts Receivable, at 503-230-5788 or email the BPA A/R Department at AR@bpa.gov.

PLEASE SEE ENCLOSED NOTICE OF DEBTOR RIGHTS
 PO BOX 3621 Portland OR, 97208-3621



From: Tyler Whitney

Sent: Thu Feb 17 08:37:35 2022

To: Normandeau, Mike (BPA) - PSE-RONAN

Cc: April Owen; Colin Willenbrock

Subject: [EXTERNAL] RE: NLSL Determination Letter and Second NLSL Notification

Importance: Normal

Attachments: FacilitiesDeterminationLtr_Ponderay Data_Draft_PUD redlines.docx

Hi Mike,

Attached are our comments/redlines to the letter. Happy to discuss this afternoon.

Thank you,

Tyler

From: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Sent: Wednesday, February 9, 2022 11:40 AM

To: April Owen <aowen@popud.org>; Tyler Whitney <TWhitney@popud.org>

Subject: NLSL Determination Letter and Second NLSL Notification

Importance: High

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Mike

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[Pend Oreille County Public Utility District #1](#)



Department of Energy

Bonneville Power Administration
PO Box 640
Ronan, MT 59864

POWER SERVICES

February XX, 2022

In reply refer to: P-6

Mr. F. Colin Willenbrock, General Manager
Public Utility District No. 1 of Pend Oreille County
P.O. Box 190
Newport, WA 99156-0190

Dear Mr. Willenbrock:

Pend Oreille County PUD No. 1 (Pend Oreille) and the Bonneville Power Administration (BPA) executed a Regional Dialogue Power Sales Contract, Contract No. 09PB-13090 (Contract), on December 1, 2008. Under section 23.3 of the Contract, BPA is required to make a Facility Determination for any load at a plant site that may become a New Large Single Load (NLSL) under section 3(13) of the Northwest Power Act.

On December 13, 2021, Pend Oreille informed BPA of the development of a new large load (Ponderay Data, LLC (Ponderay Data)) and of the planned service to this load located at the site of Ponderay Industries, LLC (formerly Ponderay Newsprint Company) on Pend Oreille's distribution system. Ponderay Data is co-located on the Ponderay Industries, LLC (Ponderay Industries) site, which is an existing NLSL. Pend Oreille stated in its letter that a substantial increase in the load is expected in the near future. Pend Oreille requested that BPA make a Facility Determination for NLSL purposes for the Ponderay Data load, which will be a data center. This new load is in addition to the existing NLSL newsprint load at the Ponderay Industries site, and is located at the Ponderay Industries site. The Ponderay Industries NLSL newsprint load is not currently operating, but is expected to restart in the future. Based upon its customer's representations, Pend Oreille understands that Ponderay Data and Ponderay Industries are both wholly-owned subsidiaries of Allrise Capital, Inc. (Allrise).

FINDINGS

Pend Oreille and BPA have had extensive discussions regarding the development of this site, with the principals submitting data and plans to BPA for its review in anticipation of a Facility Determination. Due to the COVID-19 pandemic BPA has not been able to conduct a site visit to Ponderay Industries. In addition, BPA understands that Allrise is still working to restart the newsprint portion of the site load. It is not fully clear at this time what the final physical and electrical setup will be for both the newsprint and cryptocurrency mining/data center loads.

Therefore, with this letter, BPA is making this Facility Determination based on information submitted to BPA and consistent with the criteria stated in section 23.3.2 of the Contract for the Ponderay Data load. With the current information, BPA has concluded that the Ponderay Data load development consists of a facility that is separate from the Ponderay Industries existing NLSL under the Contract and BPA's NLSL Policy. The current description of this facility is:

The Ponderay Data, LLC site is a cryptocurrency mining business, which will be co-located at the existing Ponderay Industries site. It is currently being served out of the BPA Usk substation, with three 75 MVA 230kV to 13.2 kV customer owned transformers fed from the 230kV bus. Those three transformers feed roughly 16 buildings onsite. Based upon its customer's representations, Pend Oreille understands that the site's real property is owned by Ponderay Real Estate, LLC, a Washington limited liability company and wholly owned subsidiary of Allrise Capital Inc., a Delaware corporation.

Legal Description

Ponderay Data is located on the Ponderay Industries site, which consists of:

Address: 422767 SR 20, Usk, WA 99180

Tax Parcel Numbers: 443208000005 and 443205500001

Abbreviated legal Description: 3-59 F4 NE1/4; N1/2NW1/4; SE 1/4NW; NW1/4SE1/4; 08-32-44

NLSL Measurement Period

The Measurement Period for the Ponderay Data facility is January 1, 2022 through December 31, 2022. This load excludes any construction load. Any future construction load at this site must be separately metered and excluded from production load measurements.

FACILITY DETERMINATION FACTORS

Consistent with section 23.3 and its NLSL policy, BPA has based this Facility Determination for the Ponderay Data load on the following factors:

Single End-Use Consumer: The high density computing load is operated by a single end-use customer, Ponderay Data, LLC. However, Ponderay Data and Ponderay Industries, the existing NLSL co-located at the site, are owned by the same entity, Allrise.

Geographical Separation: This load is co-located with the existing Ponderay Industries NLSL facility. However, at the time of this Facility Determination, only the Ponderay Data load is operating.

Electrical Separation: At the time of this Facility Determination, only the Ponderay Data load is operating. Currently, there are three 75 MVA 230kV-to-13.2 kV customer-owned transformers fed from the 230kV bus in the substation. These transformers feed switchgear inside the building that then feed to the rest of the site. The protection scheme for the three transformers ties into the BPA and Pend Oreille protection relaying. A one line distribution system diagram illustrates the current service arrangement for the site.

There is up to 4.521 MWs of grandfathered PF eligible load associated with the maintenance of the Ponderay Industries newsprint site and machinery, which shall be subtracted from the load at the Ponderay Data site for the purposes of monitoring the Ponderay Data load. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Ponderay Data and Ponderay Industries will be electrically separated.

Separate Metering: At the time of this Facility Determination, only the Ponderay Data load is operating. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Ponderay Data and Ponderay Industries will be electrically separated and metered separately for the purposes of monitoring the newsprint and the data center loads independently.

Separate Billing: Pend Oreille has indicated that, at the time of this Facility Determination, the power sales contract between Pend Oreille and Ponderay Real Estate, LLC, is solely for the purpose providing an interim amount of power to the site until a longer-term contract can be negotiated between the parties. However, Pend Oreille presumes that the Ponderay Data load and the Ponderay Industries load (when restarted), will be billed under the same contract.

Separate Product Lines: Ponderay Data proposes to serve both cryptocurrency and high density computing services at the Ponderay Industries site. This load is distinct from the

newsprint production load that historically operated at the site and that was determined to be an NLSL as of January 13, 1990.

Because there will be no means to identify or segregate products and services created by the data center load, BPA will consider any load growth in any part of the physical site related to the data center load to be added load growth to the Ponderay Data facility for load measurement and metering purposes.

As mentioned above, the Ponderay Industries newsprint load is not currently operating beyond basic maintenance load. Should the Ponderay Industries newsprint load resume production, BPA will need to complete a site visit to determine how the newsprint load is being electrically separated and metered separately from the data center load. Once a site visit has been completed, BPA will update this Facility Determination based on the findings of that site visit and what is described in this letter. The updated Facility Determination will be the final and permanent Facility Determination

Per Pend Oreille's request, Ponderay Data will begin being served with non-federal resources as a Planned NLSL. Pend Oreille expects the Ponderay Data load to increase by 10 average megawatts or more during the first 12-month Measurement Period, and when it does, BPA will declare such load growth an NLSL. After a load becomes an NLSL, all subsequent load growth at the facility will also be an NLSL under BPA's NLSL Policy. In such event that the Ponderay Data load does not become an NLSL in the first 12-month Measurement Period, a subsequent 12-month Measurement Period will commence and the load at the facility would then consist of two parts: a base amount (grandfathered amount) eligible for BPA service with federal power at the applicable PF rate, and a Planned NLSL amount, served with non-federal power.

Thank you for your understanding and cooperation. Please don't hesitate to call your Power Account Executive, Mike Normandeau, at (406) 676-2669 should you have any questions or concerns regarding this letter.

Sincerely,

Suzanne Cooper
Senior Vice President for Power Services

cc:

bcc:

From: Tyler Whitney

Sent: Thu Feb 17 08:37:35 2022

To: Normandeau, Mike (BPA) - PSE-ROANAN

Cc: April Owen; Colin Willenbrock

Subject: [EXTERNAL] RE: NLSL Determination Letter and Second NLSL Notification

Importance: Normal

Attachments: FacilitiesDeterminationLtr_Ponderay Data_Draft_PUD redlines.docx

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[Pend Oreille County Public Utility District #1](#)

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2

Sent: Wed Feb 23 15:48:12 2022

To: Tyler Whitney

Cc: April Owen; Colin Willenbrock

Subject: RE: L0511 Study Contract

Importance: Normal

Good news! I just finished my review of the agreement so it will be coming your way later today or tomorrow at the latest!

Please let me know if any questions come up.

Adelle

From: Tyler Whitney <TWhitney@popud.org>

Sent: Friday, February 11, 2022 8:39 AM

To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>

Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>

Subject: [EXTERNAL] RE: L0511 Study Contract

Thanks, Adelle

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Sent: Friday, February 11, 2022 7:38 AM
To: Tyler Whitney <TWhitney@popud.org>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: RE: L0511 Study Contract

The agreement is still in draft, but Brian, our contract administrator anticipates he'll be able to finish it today, send it through reviews next week and tender it the following week. He says they've been quite swamped with a high number of contracts/requests in the queue.

I'll touch base again at the end of next week to make sure we're on track.

Have a good weekend,

Adelle

From: Tyler Whitney <TWhitney@popud.org>
Sent: Thursday, February 10, 2022 11:10 AM
To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>

Subject: [EXTERNAL] RE: L0511 Study Contract

Excellent, thank you!

From: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Sent: Thursday, February 10, 2022 10:58 AM
To: Tyler Whitney <TWhitney@popud.org>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: RE: L0511 Study Contract

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Hi Tyler,

Good timing! I just asked for a status update yesterday afternoon and I am awaiting a response. Stay tuned.

Adelle

From: Tyler Whitney <TWhitney@popud.org>
Sent: Thursday, February 10, 2022 10:52 AM
To: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: [EXTERNAL] L0511 Study Contract

Good Morning Adelle,

Can you please give us an update on when we should expect to see the contract for the next Ponderay study (L0511)? Our customer is eager to get that process going.

Thank you,

Tyler

Tyler R. Whitney

General Counsel & Assistant General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156
509.447.9331 | twhitney@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

From: Tyler Whitney

Sent: Wed Feb 23 16:04:15 2022

To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2

Cc: April Owen; Colin Willenbrock

Subject: [EXTERNAL] RE: L0511 Study Contract

Importance: Normal

Excellent, thank you Adelle

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>

Sent: Wednesday, February 23, 2022 3:48 PM

To: Tyler Whitney <TWhitney@popud.org>

Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>

Subject: RE: L0511 Study Contract

Good news! I just finished my review of the agreement so it will be coming your way later today or tomorrow at the latest!

Please let me know if any questions come up.

Adelle

From: Tyler Whitney <TWhitney@popud.org>
Sent: Friday, February 11, 2022 8:39 AM
To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: [EXTERNAL] RE: L0511 Study Contract

Thanks, Adelle

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Sent: Friday, February 11, 2022 7:38 AM
To: Tyler Whitney <TWhitney@popud.org>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: RE: L0511 Study Contract

The agreement is still in draft, but Brian, our contract administrator anticipates he'll be able to finish it today, send it through reviews next week and tender it the following week. He says they've been quite swamped with a high number of contracts/requests in the queue.

I'll touch base again at the end of next week to make sure we're on track.

Have a good weekend,

Adelle

From: Tyler Whitney <TWhitney@popud.org>
Sent: Thursday, February 10, 2022 11:10 AM
To: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: [EXTERNAL] RE: L0511 Study Contract

Excellent, thank you!

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Sent: Thursday, February 10, 2022 10:58 AM
To: Tyler Whitney <TWhitney@popud.org>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: RE: L0511 Study Contract

CAUTION: This email originated from outside of the POPUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Tyler,

Good timing! I just asked for a status update yesterday afternoon and I am awaiting a response. Stay tuned.

Adelle

From: Tyler Whitney <TWhitney@popud.org>
Sent: Thursday, February 10, 2022 10:52 AM
To: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>
Cc: April Owen <aowen@popud.org>; Colin Willenbrock <cwillenbrock@popud.org>
Subject: [EXTERNAL] L0511 Study Contract

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Thank you,

Tyler

Tyler R. Whitney

General Counsel & Assistant General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.9331 | twhitney@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

From: TPCC_Contracts

Sent: Thu Feb 24 10:58:26 2022

To: cwillenbrock@popud.org

Cc: Galbraith, Brian T (BPA) - TPCC-TPP-4

Subject: IMPORTANT: FOR SIGNATURE: L0511_22TP-12550_Pend Oreille_LLI

Importance: Normal

Attachments: L0511_22TP-12550 Letter Final.pdf; L0511_22TP-12550 Agreement Final.pdf; BPA Payment Instructions NC.pdf

The attached contract document requires Pend Oreille County PUD No. 1 signature (E-signature) by Close of Business on **March 18, 2022**.

Please E-sign, type your title in the space provided and return to BPA by replying to this email and attaching the E-signed contract document.

Instructions:

- ü Click the flagged signature field throughout the contract document, insert your E-signature and type in your title.
- ü Save the PDF file for your records (saving is required prior to returning by email to capture your E-signature).

ü Reply to this email (tpcc_contracts@bpa.gov) by the date stated above and attach your E-signed contract document.

The enclosed cover letter provides further instructions and alternatives. If you have any questions, please contact Adelle Harris (360 619-6090).

Note: BPA Portland and Vancouver offices are closed for an undetermined time due to the COVID-19 virus. In order to avoid delay of payments made to BPA, please submit via electronic payment methods described in the attached Payment Instructions. Thank you for your understanding.

Thank you.

Thanks, Brian



Department of Energy

Bonneville Power Administration
P.O. Box 61409
Vancouver, WA 98666-1409

TRANSMISSION SERVICES

February 24, 2022

In reply refer to: TSE/TPP-2

Mr. F. Colin Willenbrock, General Manager
Pend Oreille County PUD No. 1
130 N Washington AVE
Newport, WA 99156

Dear Mr. Willenbrock:

Pend Oreille County PUD No. 1 (Pend Oreille) submitted a Line and Load Interconnection Request to the Bonneville Power Administration (BPA), dated January 4, 2022, proposing to interconnect 600 MW of total load at the Ponderay Newsprint site that connects to BPA's Usk 230 kV Substation. Of the 600 MW total load requested, 100 MW was already determined to be available via L0494. BPA entered the request into its Interconnection Queue as Request No. L0511 (Request). A Line and Load Interconnection Feasibility Study (LLFES) is required to identify any system constraints, additional network facilities, and direct assignment facilities required to serve the proposed 600 MW load.

Enclosed is a signed original of Agreement No. 22TP-12550 between Pend Oreille and BPA, which provides for the LLFES. Please have Pend Oreille's authorizing official electronically sign the flagged signature field in the Agreement and return by email to tpcc_contracts@bpa.gov by Close of Business (COB) on March 18, 2022. Alternatively, Pend Oreille may print, sign, date, and scan the Agreement into a PDF file and return to BPA by email, or send a signed paper copy to one of the following addresses:

First Class Mail

U. S. Department of Energy
Bonneville Power Administration
ATTN: Brian Galbraith - TPCC/TPP-4
P.O. Box 61409
Vancouver, WA 98666

Overnight Delivery Service

U. S. Department of Energy
Bonneville Power Administration
ATTN: Brian Galbraith - TPCC/TPP-4
905 NE 11th Avenue
Portland, OR 97232
Phone: (503) 230-5912

The required advance payment of \$20,000 can be made by wire transfer or ACH credit (payment instructions enclosed). Please reference Agreement No. 22TP-12550 when remitting payment. The executed Agreement and payment must be received by COB on March 18, 2022, or this offer will be withdrawn.

If you have any questions concerning this matter, please contact me at (360) 619-6090, or Brian Galbraith, Line and Load Interconnection Administrator at (503) 230-5912.

Sincerely,

(b)(6)

Adelle L. Harris
2022.02.24 09:54:47
-08'00'

Transmission Account Executive
Transmission Sales

2 Enclosures

**U.S. DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
AGREEMENT**

1. AGREEMENT NUMBER 22TP-12550	2. AGREEMENT EFFECTIVE FROM DATE IN BLOCK 4 UNTIL See Block #11	3. AMENDMENT NO. -0-	4. EFFECTIVE DATE Same as Block #17
5. ORGANIZATION AND ADDRESS Pend Oreille County PUD No. 1 ATTN: Mr. F. Colin Willenbrock General Manager 130 N Washington AVE Newport, WA 99156		6. ORGANIZATION AND ADDRESS U.S. Department of Energy Bonneville Power Administration ATTN: Brian Galbraith – TPCC/TPP-4 P.O. Box 61409 Vancouver, WA 98666	
7. TECHNICAL CONTACT F. Colin Willenbrock	PHONE NUMBER (509) 671-2172	8. TECHNICAL CONTACT Jacob Lewis	PHONE NUMBER (458) 218-5805
9. ADMINISTRATIVE CONTACT F. Colin Willenbrock	PHONE NUMBER (509) 671-2172	10. ADMINISTRATIVE CONTACT Martin Wick	PHONE NUMBER (360) 619-6818

11. TITLE/BRIEF DESCRIPTION OF WORK TO BE PERFORMED UNDER THIS AGREEMENT

LINE AND LOAD INTERCONNECTION FEASIBILITY STUDY – L0511

Pend Oreille County PUD No. 1 (Pend Oreille) submitted a Line and Load Interconnection Request to the Bonneville Power Administration (BPA), dated January 4, 2022, requesting to interconnect 600 MW of total load at the Ponderay Newsprint site that connects to BPA’s Usk 230 kV Substation. Of the 600 MW total load requested, 100 MW was already determined to be available via L0494. The request has been entered into BPA’s Interconnection Queue as Request No. L0511 (Request).

In order to assess the feasibility of this Request, BPA will, at Pend Oreille’s expense, perform a Line and Load Interconnection Feasibility Study (LLFES) to assess the capability of BPA’s transmission system to serve the proposed Request.

The good faith estimated completion date of the LLFES and associated tasks is 45 days following BPA’s receipt of this executed Agreement and associated study deposit from Pend Oreille.

Termination: This Agreement shall become effective upon execution by both parties and shall terminate upon full performance by both parties of their respective obligations set forth herein, but in no event shall the term of this Agreement exceed five years from its effective date.

The following document is attached to and becomes a part of this Agreement:

- Financial Terms and Conditions Statement

12. AMOUNT TO BE PAID BY BPA \$0	13. AMOUNT TO BE PAID TO BPA \$20,000 (estimated)
14. SUBMIT SIGNED AGREEMENT TO U.S. Department of Energy Bonneville Power Administration ATTN: Brian Galbraith – TPCC/TPP-4 P.O. Box 61409 Vancouver, WA 98666	15. ACCOUNTING INFORMATION <i>(For BPA Use Only)</i>
	16. SUBMIT INVOICE TO <i>(Name and Address)</i> Same as Block #5 above
PARTICIPANT	BPA
17. APPROVED BY <i>(Signature)</i> DATE <i>(MM/DD/YY)</i>	18. APPROVED BY <i>(Signature)</i> DATE <i>(MM/DD/YY)</i>
	(b)(6) Adelle L. Harris 2022.02.24 09:55:30 -08'00'
NAME AND TITLE	NAME AND TITLE Transmission Account Executive Transmission Sales

FINANCIAL TERMS AND CONDITIONS STATEMENT

BPA's cost of performing the study at Pend Oreille's expense shall be the actual cost of doing the work specified in this Agreement, plus an overhead rate of 37%, representing the indirect costs of performing the work plus the contractual support costs of contract negotiation, billing and accounting functions, and contract management.

Pend Oreille hereby agrees to advance \$20,000, the estimated study cost, to BPA upon execution of this Agreement. Payments made to BPA shall be held in an account established for this Agreement.

If BPA needs additional funds to complete the work at any time during performance of the study, BPA may request, in writing, for Pend Oreille to advance such additional funds to BPA for deposit in the account. Pend Oreille shall advance such additional funds within 30 days of BPA's written request, and BPA may temporarily stop work until Pend Oreille supplies the requested funds. If Pend Oreille does not advance such additional funds by the due date or, if at any time before completion of the study Pend Oreille elects to stop work under this Agreement, BPA has the right to cease all work and restore, as a cost to the study at Pend Oreille's expense, government facilities and/or records to their condition prior to the beginning of work under this Agreement.

Within a reasonable time after completion of the study, BPA shall make a full accounting to Pend Oreille showing the actual costs charged against the account. BPA shall either remit any unexpended balance in the account to Pend Oreille or bill for any costs in excess of the deposits in the account. Pend Oreille shall pay any excess costs within 30 days of the invoice date (due date).

Payments not received by the due date will accrue interest on the amount due beginning the first calendar day after the due date to the date paid, at an annual interest rate equal to the higher of i) the prime rate (as reported in the Wall Street Journal in the first issue published during the month in which payment by Pend Oreille is due) plus 4 percent; or ii) such prime rate multiplied by 1.5.

BPA Payment Instructions

1. Wire Transfer (FEDWIRE) Payment Instructions

Check with your bank for wire transfer deadlines and associated wire fees. You may contact us after your first wire payment, and we will verify that it transferred accurately.

Necessary Information to Complete Process:

- 1) **ABA Number:** 021030004
- 2) **Receiving Bank:** "TREAS NYC"
- 3) **Product Code:** "TREAS NYC / CTR"
- 4) **Account:** 89001401
- 5) **Third Party Information After "OBI="** Provide pertinent information to insure correct application of payment. (i.e.: the BPA invoice number you are paying, the contract number, or other information specific to your payment)

2. Automated Clearing House (ACH) Credit Instructions

Payments must be submitted no later than the day before payment is due since ACH is processed overnight. You may contact us at (503) 230-5788, after your first ACH payment, and we will verify that it transferred accurately.

Necessary Information to Complete Process:

- 1) **ABA Number:** 051036706
- 2) **Account Number:** 312013
- 3) **Receiving Bank:** Federal Reserve Bank
- 4) **Bank Address:** 701 E. Byrd Street, Richmond, VA 23219
- 5) **Bank Phone Number:** 804-697-8000
- 6) **Receiver Name:** BPA
- 7) **Identification Number:** This field may be used instead of the addenda record to identify the payment.

3. Direct Debit Payment

This option authorizes the Bonneville Power Administration (BPA) to automatically withdraw payments from a bank account. It is free and only requires registration. Submit the direct debit form.

4. Payment by Credit Card or Checking Account (Pay.gov)

BPA accepts VISA, MasterCard, American Express, Discover, and Diners for invoices under \$25,000 (limited to one credit card transaction per invoice) or electronic payments from a checking account for any dollar amount. Go to [Pay.gov](https://www.pay.gov).

For more information: visit [HowtoPay](https://www.bpa.gov/HowtoPay), email ar@bpa.gov or call 503-230-5788.

This information is being provided to you upon your request. It contains sensitive account and banking information. It should be used for its intended purpose only.

From: Colin Willenbrock

Sent: Mon Feb 28 17:46:14 2022

To: TPCC_Contracts

Cc: Galbraith,Brian T (BPA) - TPCC-TPP-4; Harris,Adelle L (TFE)(BPA) - TSES-TPP-2; April Owen; Tyler Whitney; Sarah Holderman

Subject: [EXTERNAL] RE: IMPORTANT: FOR SIGNATURE: L0511_22TP-12550_Pend Oreille_LLI

Importance: Normal

Attachments: L0511_22TP-12550_Agreement_F.pdf

All:

Please find attached a copy of the fully executed L0511 contract. Payment per the included wiring instructions should be forthcoming.

It is worth noting that Section 11 "Title/Brief description of work to be performed" does not specifically reference the agreement between the parties to include at least one break-point for incremental load that could be added to the 100MW currently approved without significant facilities upgrades. The agreement on that point can be found in BPA's minutes of the initial kick-off meeting. Please let me know as soon as possible if that will not be part of the feasibility study.

Thank you,

Colin

From: TPCC_Contracts <tpcc_contracts@bpa.gov>
Sent: Thursday, February 24, 2022 10:58 AM
To: Colin Willenbrock <cwillenbrock@popud.org>
Cc: Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>
Subject: IMPORTANT: FOR SIGNATURE: L0511_22TP-12550_Pend Oreille_LLI

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Thank you.

Thanks, Brian

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[Pend Oreille County Public Utility District #1](#)

**U.S. DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
AGREEMENT**

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	16. SUBMIT INVOICE TO <i>(Name and Address)</i> Same as Block #5 above

PARTICIPANT		BPA	
APPROVED BY <i>(Signature)</i> (b)(6)	DATE <i>(MM/DD/YY)</i>	APPROVED BY <i>(Signature)</i> (b)(6)	DATE <i>(MM/DD/YY)</i> Adelle L. Harris 2022.02.24 09:55:30 -08'00'
NAME AND TITLE F. Colin Willenbrock General Manager		NAME AND TITLE Transmission Account Executive Transmission Sales	

44C5F3A11446419...

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Department of Energy

Bonneville Power Administration
PO Box 640
Ronan, MT 59864

POWER SERVICES

February XX, 2022

In reply refer to: P-6

Mr. F. Colin Willenbrock, General Manager
Public Utility District No. 1 of Pend Oreille County
P.O. Box 190
Newport, WA 99156-0190

Dear Mr. Willenbrock:

Pend Oreille County PUD No. 1 (Pend Oreille) and the Bonneville Power Administration (BPA) executed a Regional Dialogue Power Sales Contract, Contract No. 09PB-13090 (Contract), on December 1, 2008. Under section 23.3 of the Contract, BPA is required to make a Facility Determination for any load at a plant site that may become a New Large Single Load (NLSL) as defined in section 3(13) of the Northwest Power Act.

On December 13, 2021, Pend Oreille informed BPA of the development of a new large load (Ponderay Data, LLC (Ponderay Data)) and of the planned service to this load located at the site of Ponderay Industries, LLC (formerly Ponderay Newsprint Company) on Pend Oreille's distribution system. Ponderay Data is co-located on the Ponderay Industries, LLC (Ponderay Industries) site, which is an existing NLSL. Pend Oreille stated in its letter that a substantial increase in the load is expected in the near future. Pend Oreille requested that BPA make a Facility Determination for NLSL purposes for the Ponderay Data load, which will be a data center. This new load is in addition to the existing NLSL newsprint load at the Ponderay Industries site, and is located at the Ponderay Industries site. The Ponderay Industries NLSL newsprint load is not currently operating, but is being maintained for a possible restart in the future. Based upon the end-user's representations, Pend Oreille understands that Ponderay Data and Ponderay Industries are both wholly-owned subsidiaries of Allrise Capital, Inc. (Allrise).

FINDINGS

Pend Oreille and BPA have had extensive discussions regarding the development of this site, with the principals submitting data and plans to BPA for its review in anticipation of a Facility Determination. Due to the COVID-19 pandemic BPA has not been able to conduct a site visit to Ponderay Industries. In addition, BPA understands that Allrise is still working to restart the newsprint portion of the site load. It is not clear at this time what the final physical and electrical setup will be for both the newsprint and data center loads.

Therefore, with this letter, BPA is making this Facility Determination based on the information submitted to BPA and consistent with the criteria stated in section 23.3.2 of the Contract for the Ponderay Data load, with the caveat that BPA may update its decision when a site visit is conducted. With the current information, BPA has concluded that the Ponderay Data load development consists of a facility that is separate from the Ponderay Industries existing NLSL under the Contract and BPA's NLSL Policy. :

Based upon the information supplied, the current description of this facility is: **The Ponderay Data, LLC site** is a computer services installation, which will be co-located at the existing Ponderay Industries site. It is currently being served out of the BPA Usk substation, with three 75 MVA 230kV to 13.2 kV customer owned transformers fed from the 230kV bus. Those three transformers feed roughly 16 buildings onsite. Based upon its end user's representations, Pend Oreille understands that the site's real property is owned by Ponderay Real Estate, LLC, a Washington limited liability company and wholly owned subsidiary of Allrise Capital Inc., a Delaware corporation.

Legal Description

Ponderay Data is located on the Ponderay Industries site, which consists of:

Address: 422767 SR 20, Usk, WA 99180

Tax Parcel Numbers: 443208000005 and 443205500001

Abbreviated legal Description: 3-59 F4 NE1/4; N1/2NW1/4; SE 1/4NW; NW1/4SE1/4; 08-32-44

NLSL Measurement Period

The Measurement Period for the Ponderay Data facility is January 1, 2022 through December 31, 2022. This load excludes any construction load. Any future construction load at this site must be separately metered and excluded from production load measurements.

FACILITY DETERMINATION FACTORS

Consistent with section 23.3 and its NLSL policy, BPA has based this Facility Determination for the Ponderay Data load on the following factors:

Single End-Use Consumer: The high density computing load is **operated by a single end-use customer, Ponderay Data, LLC**. However, Ponderay Data and Ponderay Industries, the existing NLSL co-located at the site, are owned by the same entity, Allrise.

Geographical Separation: This load is co-located with the existing Ponderay Industries NLSL facility. However, at the time of this Facility Determination, only the Ponderay Data load is operating.

Electrical Separation: At the time of this Facility Determination, only the Ponderay Data load is operating. Currently, there are three 75 MVA 230kV-to-13.2 kV customer-owned transformers fed from the 230kV bus in the substation. These transformers feed switchgear inside the building that then feed to the rest of the site. The protection scheme for the three transformers ties into the BPA and Pend Oreille protection relaying. A one line distribution system diagram illustrates the current service arrangement for the site.

There is up to 4.521 MWs of grandfathered PF eligible load associated with the maintenance of the Ponderay Industries newsprint site and machinery, which shall be subtracted from the load at the Ponderay Data site for the purposes of monitoring the Ponderay Data load. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Ponderay Data and Ponderay Industries will be electrically separated.

Separate Metering: At the time of this Facility Determination, only the Ponderay Data load is operating. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Ponderay Data and Ponderay Industries will be electrically separated and metered separately for the purposes of monitoring the newsprint and the data center loads independently.

Separate Billing: Pend Oreille has indicated that, at the time of this Facility Determination, the power sales contract between Pend Oreille and Ponderay Real Estate, LLC, is solely for the purpose of providing an interim amount of power to the site until a longer-term contract can be negotiated between the parties. However, Pend Oreille presumes that the Ponderay Data load and the Ponderay Industries load (when restarted), will be billed under the same contract.

Separate Product Lines: Ponderay Data proposes to serve both cryptocurrency and high density computing services at the Ponderay Industries site. This load is distinct from the newsprint production load that historically operated at the site and that was determined to be an NLSL as of January 13, 1990.

Because there will be no means to identify or segregate products and services created by the data center load, BPA will consider any load growth in any part of the physical site related to the data center load to be added load growth to the Ponderay Data facility for load measurement and metering purposes.

As mentioned above, the Ponderay Industries newsprint load is not currently operating beyond basic maintenance load. Should the Ponderay Industries newsprint load resume production, BPA will need to complete a site visit to determine how the newsprint load is being electrically separated and metered separately from the data center load. Once a site visit has been completed, BPA will update this Facility Determination based on the findings of that site visit and what is described in this letter. The updated Facility Determination will be the final and permanent Facility Determination

Per Pend Oreille's request, Ponderay Data will begin being served with non-federal resources as a Planned NLSL. Pend Oreille expects the Ponderay Data load to increase by 10 average megawatts or more during the first 12-month Measurement Period, and when it does, BPA will declare such load growth an NLSL. After a load becomes an NLSL, all subsequent load growth at the facility will also be an NLSL under BPA's NLSL Policy. In such event that the Ponderay Data load does not become an NLSL in the first 12-month Measurement Period, a subsequent 12-month Measurement Period will commence and the load at the facility would then consist of two parts: a base amount (grandfathered amount) eligible for BPA service with federal power at the applicable PF rate, and a Planned NLSL amount, which must be served with non-federal power because Pend Oreille purchases BPA's block product.

Thank you for your understanding and cooperation. Please don't hesitate to call your Power Account Executive, Mike Normandeau, at (406) 676-2669 should you have any questions or concerns regarding this letter.

Sincerely,

Suzanne Cooper
Senior Vice President for Power Services

cc:

bcc:

From: Geyer,Sheryl A (CONTR) - TPP-OPP-3

Sent: Thu Mar 10 11:23:35 2022

To: Tyler Whitney

Cc: Colin Willenbrock; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3; Philip Roice

Subject: RE: Fulfillment of L0494 ISIS Report

Importance: Normal

Good Morning Tyler,

Line and Load studies are not something that BPA would share beyond the developer. Since, POPUD is the developer on this project, POPUD, has agreed to protect this information as it would protect its own information. POPUD needs to ensure that they have done everything necessary to uphold that agreement with an NDA, or something (between POPUD and its consultant), since POPUD has the need to share with its consultant.

Thank you for reaching out!!

Have a great afternoon.

Sheryl Geyer

Contractor at Bonneville Power Administration

|ASA3| Transmission Planning (TPP)

When you feel that you want to give up – Remember what you have worked so hard for, and press on!!

bpa.gov | P 360-619-6775 | F 360-619-6589

From: Tyler Whitney <TWhitney@popud.org>

Sent: Thursday, March 10, 2022 10:43 AM

To: Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>

Cc: Colin Willenbrock <cwillenbrock@popud.org>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Philip Roice <PRoice@popud.org>

Subject: [EXTERNAL] RE: Fulfillment of L0494 ISIS Report

Good Morning Sheryl,

We have retained an engineering consultant to assist us with our customer's project. As part of their work, they are asking for access to the full version of this report (marked as CEII). Can you please confirm we can share the

full version of this report with our consultant?

Thank you,

Tyler

From: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>

Sent: Wednesday, December 15, 2021 4:33 PM

To: Tyler Whitney <TWhitney@popud.org>

Cc: Colin Willenbrock <cwillenbrock@popud.org>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Subject: RE: Fulfillment of L0494 ISIS Report

Sorry about that – here you go!!d

Have a great night

Sheryl

From: Tyler Whitney <TWhitney@popud.org>

Sent: Wednesday, December 15, 2021 3:58 PM

To: Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>
Cc: Colin Willenbrock <cwillenbrock@popud.org>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>
Subject: [EXTERNAL] RE: Fulfillment of L0494 ISIS Report

Thanks, Sheryl. I notice the report still is marked CEII – should that label be removed now?

Thank you,

Tyler

From: Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>
Sent: Wednesday, December 15, 2021 3:11 PM
To: Tyler Whitney <TWhitney@popud.org>
Cc: Colin Willenbrock <cwillenbrock@popud.org>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>
Subject: RE: Fulfillment of L0494 ISIS Report

Hi Tyler,

Attached a copy of your Study L0494 that you can use with your customers.

Please let us know if there is anything else that you might need.

Regards,

Sheryl Geyer

Contractor at Bonneville Power Administration

|ASA3| Transmission Planning (TPP)

When you feel that you want to give up – Remember what you have worked so hard for, and press on!!
bpa.gov | P 360-619-6775 | F 360-619-6589

From: Tyler Whitney <TWhitney@popud.org>

Sent: Tuesday, December 14, 2021 4:34 PM

To: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Cc: Colin Willenbrock <cwillenbrock@popud.org>

Subject: [EXTERNAL] RE: Fulfillment of L0494 ISIS Report

Thank you, Sheryl

From: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>
Sent: Tuesday, December 14, 2021 3:23 PM
To: Tyler Whitney <TWhitney@popud.org>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>
Cc: Colin Willenbrock <cwillenbrock@popud.org>
Subject: RE: Fulfillment of L0494 ISIS Report

Hi Tyler,

Let me send this request over to my managers in Transmission Planning and see what we can do in providing you a copy that would be suitable to release.

I will have someone in our Management team contact you.

Regards,

Sheryl Geyer

Contractor at Bonneville Power Administration

[ASA3] Transmission Planning (TPP)

When you feel that you want to give up – Remember what you have worked so hard for, and press on!!

bpa.gov | P 360-619-6775 | F 360-619-6589

From: Tyler Whitney <TWhitney@popud.org>

Sent: Tuesday, December 14, 2021 8:22 AM

To: Geyer,Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>

Cc: Colin Willenbrock <cwillenbrock@popud.org>

Subject: [EXTERNAL] RE: Fulfillment of L0494 ISIS Report

Good Morning Sheryl and Akira,

Can you please advise if we are able to share this document with our customer who requested and funded this study? Also, if we receive a request for public records down the road, would BPA have any objection to Pend Oreille PUD providing this report in response? I know in the past we have asked the same question regarding other LLIR reports that were marked CEII, and BPA ended up clearing the document for disclosure.

Thank you,

Tyler R. Whitney

General Counsel & Assistant General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.9331 | twhitney@popud.org | www.popud.org

From: Geyer, Sheryl A (CONTR) - TPP-OPP-3 <sageyer@bpa.gov>

Sent: Friday, December 10, 2021 5:13 PM

To: Colin Willenbrock <cwillenbrock@popud.org>

Cc: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Huntington, Joseph J (TFE)(BPA) - TSES-TPP-2 <jjhuntington@bpa.gov>; Cosola, Anna M (BPA) - TPCC-TPP-4 <amcosola@bpa.gov>; Galbraith, Brian T (BPA) - TPCC-TPP-4 <btgalbraith@bpa.gov>; Wick, Martin A (BPA) - TPCV-TPP-4 <mawickjr@bpa.gov>; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Hammack, Debby (BPA) - TPPC-OPP-3 <dlhammack@bpa.gov>; Lee, Christina A (BPA) - TPP-OPP-3 <calee@bpa.gov>; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Ngoy, Prachthearat (BPA) - TPMC-OPP-3 <pxngoy@bpa.gov>; Belanger, Beth A (CONTR) - ECT-4 <babelanger@bpa.gov>

Subject: Fulfillment of L0494 ISIS Report

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Good Evening Mr. Willenbrock,

As an interim measure to accommodate telework limitations, interconnection reports will be provided electronically. Some of the documents you are receiving contain **Critical Information (CI)**, these documents will be password protected, please do not distribute.

As a recipient of this information you are required to control, protect, and safeguard this information at all times.

If you have any questions regarding these documents please contact: Akira Mendez-Sierra either by email at ammendezsierra@bpa.gov or by phone at 360-418-2729.

Thanks,

Sheryl Geyer

Contractor at Bonneville Power Administration

Assistant to: ricky bustamante - Manager

cid:image001.gif@01D5FC6F.3782B520cid:B2168DBE79FF7943B5380CE8710CA795

@namprd09.prod.outlook.com|ASA3| Transmission Planning (TPP)

When you feel that you want to give up – Remember what you have worked so hard for, and press on!!

bpa.gov | P 360-619-6775 | F 360-619-6589

[cid:image002.jpg@01D5FC6F.3782B520cid:C204B5B5E3704645ABE1343BAE30E453](#)
[@namprd09.prod.outlook.comcid:image003.jpg@](#)
[01D5FC6F.3782B520cid:100366B12CA1034283D2BFD753ECFB11](#)
[@namprd09.prod.outlook.comcid:image004.jpg@](#)
[01D5FC6F.3782B520cid:E4F431B4DB1BBD42A397EA619AB93FE1](#)
[@namprd09.prod.outlook.comcid:image005.jpg@](#)
[01D5FC6F.3782B520cid:72E367821CAD2345A1A688FB3B4BCF80](#)
[@namprd09.prod.outlook.comcid:image006.jpg@](#)
[01D5FC6F.3782B520cid:544244A37F8CF545ADA32631115ACBA1](#)
[@namprd09.prod.outlook.comcid:image007.jpg@](#)
[01D5FC6F.3782B520cid:CB503B16B938034BB98403785F7A2F0A@namprd09.prod.outlook.com](#)

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Pend Oreille County Public Utility District #1

From: Chris Chaney

Sent: Wed Mar 16 09:02:59 2022

To: bpaoutage@bpa.gov

Cc: System Operators

Bcc: bpaoutage2@bpa.gov

Subject: [EXTERNAL] POPD outage request

Importance: Normal

Attachments: 20220316 BPA outage request form.docx

Chris Chaney

System Operator

Public Utility District No. 1 of Pend Oreille County

logo_pendP.O. Box 190 | 130 N. Washington | Newport, Washington 99156

509.447-9348 | cchaney@popud.org | www.popud.org

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[Pend Oreille County Public Utility District #1](#)

1. Requested by (Name of contact)	a. Contact Business Phone Number	b. Date
Chris Chaney	509-447-9348	3/16/2022

2. Utility / Customer (Name)
Pend Oreille P.U.D.

3. Circuit / Equipment / Generation Unit:
Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

4. Unit Status:

a. List ALL Unavailable Units	b. Facility Derated to	MW
-------------------------------	------------------------	----

5. Start Date	a. Switch Time	b. Work Time	c. Work Duration	d. Stop Date	e. I / S Time	f. Duration Type
3/23/2022	10:00	10:05	1 hr	3/23/2022	11:05	<input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Daily

6. Reason for Request:

a. <input type="checkbox"/> Emergency	b. <input type="checkbox"/> Urgent	c. <input checked="" type="checkbox"/> Routine Maintenance
---------------------------------------	------------------------------------	--

7. Clearance Required: Yes No Information Only

8. REQUIRED NOTIFICATIONS

a. BPA Outage

(Type below email address into Outlook)(Attach saved form 'as an attachment').

c. Munro Control Center: Outage Coordination:	d. (509) 466.2409	e. e-mail: bpaoutage@bpa.gov
f. Dittmer Control Center: Outage Coordination:	g. (360) 418.2274	h. e-mail: bpaoutage@bpa.gov

From: jsbellefeuille@bpa.gov

Sent: Wed Mar 16 10:43:53 2022

To: DISPATCH@POPUD.ORG

Subject: 22-05696; 03/23/2022 1700; USK: PCB A-953

Importance: Normal

Status Change from CREATED to SUBMITTED

ORCA Request #: 22-05696

Work Order:

Start: 03/23/2022 1700

End: 03/23/2022 1800

Switching Start: 03/23/2022 1705

Station(s): USK

Line/Equipment: USK: PCB A-953, USK: PCB A-958

Voltage: 230

ORCA Status: SUBMITTED

eDart #:

Work to be performed and why: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

From: jsbellefeuille@bpa.gov

Sent: Wed Mar 16 10:44:04 2022

To: DISPATCH@POPUD.ORG

Subject: 22-05696; 03/23/2022 1700; USK: PCB A-953

Importance: Normal

Status Change from SUBMITTED to APPROVED

ORCA Request #: 22-05696

Work Order:

Start: 03/23/2022 1700

End: 03/23/2022 1800

Switching Start: 03/23/2022 1705

Station(s): USK

Line/Equipment: USK: PCB A-953, USK: PCB A-958

Voltage: 230

ORCA Status: APPROVED

eDart #:

Work to be performed and why: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.



Status: 22-05696

Bellefeuille, Jay Request: APPROVED

Description

USK: PCB A-953, USK: PCB A-958

Request Type: Planned

Responsible System: PA, BPA

Nature of Work: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Work Start: Wed 23-Mar-2022 1005 (PDT)

Duration Type:

Start Time: Wed 23-Mar-2022 1000 (PDT)

Outage Duration:

Work End: Wed 23-Mar-2022 1100 (PDT)

Authorization Type	Authorization Holder	Work Description/Location
INF	MCC DISPATCHER	Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Clearance Limits

Primary Control Center: MUNRO

Remarks

Remark Type	Remark
-------------	--------

Requested by: Bellefeuille, Jay

Requested on: Wed 16-Mar-2022 1035 (PDT)

Submitted by: JayBellefeuille

Submitted on: Wed 16-Mar-2022 1043 (PDT)

Last Updated by: Bellefeuille, Jay

Updated on: Wed 16-Mar-2022 1044 (PDT)

From: Bellefeuille, Jay S (TFE)(BPA) - TORO-MEAD

Sent: Wed Mar 16 15:25:39 2022

To: Bryant Kramer

Subject: RE: Planned Request #22-05696

Importance: Normal

GOOD TO KNOW BRYANT, YOU DECIDED TO GO TO THE HYDRO SIDE, GOOD FOR YOU. MAYBE I WILL STOP IN SOME TIME. IT WILL TAKE A WHILE TO GET YOU REMOVED SEEING THAT WE HAVE GONE TO A NEW REPORTING SYSTEM.

From: Bryant Kramer <bkramer@popud.org>

Sent: Wednesday, March 16, 2022 12:07 PM

To: Bellefeuille, Jay S (TFE)(BPA) - TORO-MEAD <jsbellefeuille@bpa.gov>

Subject: [EXTERNAL] RE: Planned Request #22-05696

Hi Jay,

I see you copied the PUD system operators on this, so they know, and that is good. Incidentally, I don't work in system operations anymore - I am now the manager at Box Canyon Dam. If you are ever in the neighborhood, stop in and say "hi."

Thanks,

Bryant Kramer

Power Production Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 547 | 7492 Highway 31 | Lone, WA 99139

Tel: 509.447.6756 | Cell: (b)(6)

bkramer@popud.org | www.popud.org

From: jsbellefeuille@bpa.gov <jsbellefeuille@bpa.gov>

Sent: Wednesday, March 16, 2022 10:45 AM

To: Bryant Kramer <bkramer@popud.org>; Chris Jones <cjones@popud.org>; Newport System Operators <NewportSystemOperators@popud.org>; Newport System Operators <NewportSystemOperators@popud.org>

Subject: Planned Request #22-05696

Some people who received this message don't often get email from jsbellefeuille@bpa.gov. [Learn why this is important](#)

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Time Zone: PDT/PST

Outage Request #22-05696

Region(s):

East

Request #:

[22-05696](#)

System Type:

Transmission

Work Type:

Info

Request Type:

Planned

Station:

USK

Line/Equipment:

USK: PCB A-953, USK: PCB A-958

Clearance points:

USK PCB A-953, USK PCB A-958

ERT:

Duration

Submitter:

Bellefeuille, Jay

Start:

03/23/2022 10:00

End:

03/23/2022 11:00

Schedule Profile:

Daily

Sw Start:

03/23/2022 10:05

Sw End:

03/23/2022 11:00

Work to be Performed:

Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

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[Pend Oreille County Public Utility District #1](#)

From: Tyler Whitney

Sent: Thu Mar 17 12:45:18 2022

To: Normandeau, Mike (BPA) - PSE-RONAN; Colin Willenbrock; April Owen

Cc: Patton, Kathryn B (BPA) - PSW-SEATTLE; Moore, Lisa A (BPA) - PSSE-MEAD-GOB

Bcc: kbpatt@bpa.gov; lamoore@bpa.gov

Subject: [EXTERNAL] RE: BPA Facilities Determination Letter (DRAFT - final review)

Importance: Normal

Attachments: FacilitiesDeterminationLtr_Ponderay Data_final draft_PUD Redlines.docx

Mike,

Attached are our edits/comments to the final draft. We can discuss here at 1:00 as well.

Thank you,

Tyler

From: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Sent: Friday, March 4, 2022 2:15 PM

To: Colin Willenbrock <cwillenbrock@popud.org>; Tyler Whitney <TWhitney@popud.org>; April Owen <aowen@popud.org>
Cc: Patton, Kathryn B (BPA) - PSW-SEATTLE <kbatton@bpa.gov>; Moore, Lisa A (BPA) - PSSE-MEAD-GOB <lamoore@bpa.gov>
Subject: BPA Facilities Determination Letter (DRAFT - final review)
Importance: High

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Good Afternoon,

The attached letter is the “final” draft of the facilities determination letter. Kate has asked for one final review of the highlighted sections to verify that we have the correct entities listed. Just in case something has changed since our last discussion. Once complete, we will work on getting this signed and returned to the PUD.

Thank you. Have a good weekend.

Mike

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[Pend Oreille County Public Utility District #1](#)



Department of Energy

Bonneville Power Administration
PO Box 640
Ronan, MT 59864

POWER SERVICES

February XX, 2022

In reply refer to: P-6

Mr. F. Colin Willenbrock, General Manager
Public Utility District No. 1 of Pend Oreille County
P.O. Box 190
Newport, WA 99156-0190

Dear Mr. Willenbrock:

Pend Oreille County PUD No. 1 (Pend Oreille) and the Bonneville Power Administration (BPA) executed a Regional Dialogue Power Sales Contract, Contract No. 09PB-13090 (Contract), on December 1, 2008. Under section 23.3 of the Contract, BPA is required to make a Facility Determination for any load at a plant site that may become a New Large Single Load (NLSL) as defined in section 3(13) of the Northwest Power Act.

On December 13, 2021, Pend Oreille informed BPA of the development of a new large load (Ponderay Data, LLC (Ponderay Data)) and of the planned service to this load located at the site of Ponderay Industries, LLC (formerly Ponderay Newsprint Company) on Pend Oreille's distribution system. The end-user for this new large load has since been identified as Cascade Digital Mining, LLC, a Delaware limited liability company ("Cascade Digital"). Based upon representations made by Pend Oreille's customer, Pend Oreille understands Cascade Digital to be a joint venture between Merkle Standard LLC, a Washington limited liability company ("Merkle Standard"), and Bitmain Delaware Holding Company, Inc., a Delaware corporation ("Bitmain Holding"). Based upon representations made by Pend Oreille's customer, Pend Oreille further understands Merkle Standard to be a wholly owned subsidiary of Allrise Capital Inc., a Delaware corporation ("Allrise"), and Bitmain Holding to be a wholly owned subsidiary of Bitmain Technologies Delaware Limited, a Delaware corporation. Cascade Digital is co-located on the Ponderay Industries, LLC (Ponderay Industries) site, which is an existing NLSL. Pend Oreille stated in its letter that a substantial increase in the load is expected in the near future. Pend Oreille requested that BPA make a Facility Determination for NLSL purposes for the Cascade Digital load, which will be a data center. This new load is in addition to the existing NLSL newsprint load at the Ponderay Industries site, and is located at the Ponderay Industries site. The Ponderay Industries NLSL newsprint load is not currently operating, but is being maintained for a possible restart in the future. Based upon the end-user's representations, Pend Oreille understands that Ponderay Industries is a wholly-owned subsidiaries of Allrise.

FINDINGS

Pend Oreille and BPA have had extensive discussions regarding the development of this site, with the principals submitting data and plans to BPA for its review in anticipation of a Facility Determination. Due to the COVID-19 pandemic BPA has not been able to conduct a site visit to Ponderay Industries. In addition, BPA understands that Allrise is still working to restart the newsprint portion of the site load. It is not clear at this time what the final physical and electrical setup will be for both the newsprint and data center loads.

Therefore, with this letter, BPA is making this Facility Determination based on the information submitted to BPA and consistent with the criteria stated in section 23.3.2 of the Contract for the Cascade Digital load, with the caveat that BPA may update its decision when a site visit is conducted. With the current information, BPA has concluded that the Cascade Digital load development consists of a facility that is separate from the Ponderay Industries existing NLSL under the Contract and BPA's NLSL Policy.

Based upon the information supplied, the current description of this facility is: **The Cascade Digital Mining, LLC site** is a computer services installation, which will be co-located at the existing Ponderay Industries site. It is currently being served out of the BPA Usk substation, with three 75 MVA 230kV to 13.2 kV customer owned transformers fed from the 230kV bus. Those three transformers feed roughly 16 buildings onsite. **Based upon its end user's representations, Pend Oreille understands that the site's real property is owned by Ponderay Real Estate, LLC, a Washington limited liability company and wholly owned subsidiary of Allrise.**

Legal Description

Cascade Digital is located on the Ponderay Industries site, which consists of:

Address: 422767 SR 20, Usk, WA 99180

Tax Parcel Numbers: 443208000005 and 443205500001

Abbreviated legal Description: 3-59 F4 NE1/4; N1/2NW1/4; SE 1/4NW; NW1/4SE1/4; 08-32-44

NLSL Measurement Period

The Measurement Period for the Cascade Digital facility is January 1, 2022 through December 31, 2022. This load excludes any construction load. Any future construction load at this site must be separately metered and excluded from production load measurements.

FACILITY DETERMINATION FACTORS

Consistent with section 23.3 and its NLSL policy, BPA has based this Facility Determination for the Cascade Digital load on the following factors:

Single End-Use Consumer: The high-density computing load is **operated by a single end-use customer, Cascade Digital.**

Geographical Separation: This load is co-located with the existing Ponderay Industries NLSL facility. However, at the time of this Facility Determination, only the Cascade Digital load is operating.

Electrical Separation: At the time of this Facility Determination, only the Cascade Digital load is operating. Currently, there are three 75 MVA 230kV-to-13.2 kV customer-owned transformers fed from the 230kV bus in the substation. These transformers feed switchgear inside the building that then feed to the rest of the site. The protection scheme for the three transformers ties into the BPA and Pend Oreille protection relaying. A one-line distribution system diagram illustrates the current service arrangement for the site.

There is up to 4.521 MWs of grandfathered PF eligible load associated with the maintenance of the Ponderay Industries newsprint site and machinery, which shall be subtracted from the load at the Cascade Digital site for the purposes of monitoring the Cascade Digital load. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Cascade Digital and Ponderay Industries will be electrically separated.

Separate Metering: At the time of this Facility Determination, only the Cascade Digital load is operating. Should the Ponderay Industries newsprint load restart, BPA will require a plan of service that illustrates how Cascade Digital and Ponderay Industries will be electrically separated and metered separately for the purposes of monitoring the newsprint and the data center loads independently.

Separate Billing: Pend Oreille has indicated that, at the time of this Facility Determination, the power sales contract between Pend Oreille and Ponderay Real Estate, LLC, is solely for the purpose of providing an interim amount of power to the site until a longer-term contract can be negotiated between the parties. However, Pend Oreille presumes that the Cascade Digital load and the Ponderay Industries load (when restarted), will be billed under the same contract.

Separate Product Lines: Cascade Digital proposes to serve both cryptocurrency and high-density computing services at the Ponderay Industries site. This load is distinct from the newsprint production load that historically operated at the site and that was determined to be an NLSL as of January 13, 1990.

Because there will be no means to identify or segregate products and services created by the data center load, BPA will consider any load growth in any part of the physical site related to the data center load to be added load growth to the Cascade Digital facility for load measurement and metering purposes.

As mentioned above, the Ponderay Industries newsprint load is not currently operating beyond basic maintenance load. Should the Ponderay Industries newsprint load resume production, BPA will need to complete a site visit to determine how the newsprint load is being electrically separated and metered separately from the data center load. Once a site visit has been completed, BPA will update this Facility Determination based on the findings of that site visit and what is described in this letter. The updated Facility Determination will be the final and permanent Facility Determination

Per Pend Oreille's request, Cascade Digital will begin being served with non-federal resources as a Planned NLSL. Pend Oreille expects the Cascade Digital load to increase by 10 average megawatts or more during the first 12-month Measurement Period, and when it does, BPA will declare such load growth an NLSL. After a load becomes an NLSL, all subsequent load growth at the facility will also be an NLSL under BPA's NLSL Policy. In such event that the Cascade Digital load does not become an NLSL in the first 12-month Measurement Period, a subsequent 12-month Measurement Period will commence and the load at the facility would then consist of two parts: a base amount (grandfathered amount) eligible for BPA service with federal power at the applicable PF rate, and a Planned NLSL amount, which must be served with non-federal power because Pend Oreille purchases BPA's block product.

Thank you for your understanding and cooperation. Please don't hesitate to call your Power Account Executive, Mike Normandeau, at (406) 676-2669 should you have any questions or concerns regarding this letter.

Sincerely,

Suzanne Cooper
Senior Vice President for Power Services

cc:

bcc:

From: Tyler Whitney

Sent: Thu Mar 17 12:45:18 2022

To: Normandeau, Mike (BPA) - PSE-RONAN; Colin Willenbrock; April Owen

Cc: Patton, Kathryn B (BPA) - PSW-SEATTLE; Moore, Lisa A (BPA) - PSSE-MEAD-GOB

Subject: [EXTERNAL] RE: BPA Facilities Determination Letter (DRAFT - final review)

Importance: Normal

Attachments: FacilitiesDeterminationLtr_Ponderay Data_final draft_PUD Redlines.docx

Mike,

Attached are our edits/comments to the final draft. We can discuss here at 1:00 as well.

Thank you,

Tyler

From: Normandeau, Mike (BPA) - PSE-RONAN <mrnormandeau@bpa.gov>

Sent: Friday, March 4, 2022 2:15 PM

To: Colin Willenbrock <cwillenbrock@popud.org>; Tyler Whitney <TWhitney@popud.org>; April Owen <aowen@popud.org>

Cc: Patton, Kathryn B (BPA) - PSW-SEATTLE <kbpatton@bpa.gov>; Moore, Lisa A (BPA) - PSSE-MEAD-GOB <lamoore@bpa.gov>

Subject: BPA Facilities Determination Letter (DRAFT - final review)

Importance: High

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Good Afternoon,

The attached letter is the “final” draft of the facilities determination letter. Kate has asked for one final review of the highlighted sections to verify that we have the correct entities listed. Just in case something has changed since our last discussion. Once complete, we will work on getting this signed and returned to the PUD.

Thank you. Have a good weekend.

Mike

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and delete the copy you received.

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From: Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3

Sent: Fri Mar 18 10:59:57 2022

To: PRoice@popud.org; joshua.doering@eciusa.com

Subject: L0511 Equipment Rating

Importance: Normal

Hello Philip and Josh,

I was wondering if you could help me determine the rating limit between Usk 230 kV (BPA) and Ponderay Newsprint Facilities.

Thank you,

Akira Mendez

Electrical Engineer | Transmission Planning

Bonneville Power Administration

(360) 418-2729

From: jpatterson@bpa.gov

Sent: Tue Mar 22 18:29:45 2022

To: DISPATCH@POPUD.ORG

Subject: 22-05696; 03/23/2022 1700; USK: PCB A-953

Importance: Normal

Status Change from APPROVED to READY

ORCA Request #: 22-05696

Work Order: 1Z

Start: 03/23/2022 1700

End: 03/23/2022 1800

Switching Start: 03/23/2022 1705

Station(s): USK

Line/Equipment: USK: PCB A-953, USK: PCB A-958

Voltage: 230

ORCA Status: READY

eDart #:

Work to be performed and why: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

From: Ray Chantry

Sent: Wed Mar 23 07:53:55 2022

To: bbmonger@bpa.gov

Cc: System Operators

Subject: [EXTERNAL] Start time change

Importance: Normal

Attachments: Request_7490.pdf; Request_7490.pdf

Per our conversation this morning, attached are the original approvals that we received back on the 16th with the 1000 start time. Below is the most recent Status Change we received which shows a start time of 1700.

Status Change from APPROVED to READY

ORCA Request #:

22-05696

Work Order:

1Z

Start:

03/23/2022 1700

End:

03/23/2022 1800

Switching Start:

03/23/2022 1705

Station(s):

USK

Line/Equipment:

USK: PCB A-953, USK: PCB A-958

Voltage:

230

ORCA Status:

READY

eDart #:

Work to be performed and why:

Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening

A-953 and A-958.

Thank you,

Ray Chantry

System Operator

Public Utility District No. 1 of Pend Oreille County

logo_pend P.O. Box 190 | 130 N. Washington | Newport, Washington 99156

509.447-9348 | rchantry@popud.org | www.popud.org

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Outage Request Form
22-05696

Time Zone: PDT
APPROVED

System Type: **Transmission**

Work Type: **Info**

Request Type: **Planned**

Start: **03/23/2022 10:05**

SW Start: **03/23/2022 10:00**

Schedule Profile: **Daily**

End: **03/23/2022 11:00**

ERT: **Duration**

CAISO#: **11498665**

SUBMITTED

Primary Control Center: **MUNRO**

Personnel Info

	Name	Phone	Cell	Email
Requested by	Bellefeuille, Jay			jsbellefeuille@bpa.gov
Authorization Holder	PEND OREILLE CO PUD DISP			
Submitted by				
External	POPUD Dispatch			DISPATCH@POPUD.ORG
INF Holder	MCC DISPATCHER			

Equipment Involved

Station	kV	Type	Name	Comments
USK	230	POWER CIRCUIT BREAKER	USK: PCB A-953	### SWITCHING NOTE ### NOTIFY POPUD PRIOR TO SWITCHING AT USK
USK	230	POWER CIRCUIT BREAKER	USK: PCB A-958	### SWITCHING NOTE ### NOTIFY POPUD PRIOR TO SWITCHING AT USK

Authorization

Type	Authorization Holder	Work Description/Location
INF	MCC DISPATCHER	Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Work to be performed

Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Work Location

Work References

Department:

Work Order#:

External#:

Remarks

Person Name	Time	Type	Remark
Bellefeuille, Jay	03/16/2022 10:44		Comments from Action Approve:
Bellefeuille, Jay	03/16/2022 10:43		Comments from Action Submit:

Request Checklist

Peer review performed by the No Review comments
Field?

03/16/2022 10:23 Bellefeuille, Jay



Outage Request Form
22-05696

Time Zone: PDT
APPROVED

Notification

Status	Sender/Recipient	Dept/Co	Header Message/Comments	Type
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Switching

District	Station	kV	Type	Device	State	Comments
SPOKANE	USK	230	POWER CIRCUIT BREAKER	PCB A-953	Open	
SPOKANE	USK	230	POWER CIRCUIT BREAKER	PCB A-958	Open	

Additional Notes



Status: 22-05696

Bellefeuille, Jay Request: APPROVED

Description

USK: PCB A-953, USK: PCB A-958

Request Type: Planned

Responsible System: PA, BPA

Nature of Work: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Work Start: Wed 23-Mar-2022 1005 (PDT)

Duration Type:

Start Time: Wed 23-Mar-2022 1000 (PDT)

Outage Duration:

Work End: Wed 23-Mar-2022 1100 (PDT)

Authorization Type	Authorization Holder	Work Description/Location
INF	MCC DISPATCHER	Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Clearance Limits

Primary Control Center: MUNRO

Remarks

Remark Type	Remark
-------------	--------

Requested by: Bellefeuille, Jay

Requested on: Wed 16-Mar-2022 1035 (PDT)

Submitted by: JayBellefeuille

Submitted on: Wed 16-Mar-2022 1043 (PDT)

Last Updated by: Bellefeuille, Jay

Updated on: Wed 16-Mar-2022 1044 (PDT)



Status: 22-05696

Bellefeuille, Jay Request: APPROVED

Description

USK: PCB A-953, USK: PCB A-958

Request Type: Planned

Responsible System: PA, BPA

Nature of Work: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Work Start: Wed 23-Mar-2022 1005 (PDT)

Duration Type:

Start Time: Wed 23-Mar-2022 1000 (PDT)

Outage Duration:

Work End: Wed 23-Mar-2022 1100 (PDT)

Authorization Type	Authorization Holder	Work Description/Location
INF	MCC DISPATCHER	Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

Clearance Limits

Primary Control Center: MUNRO

Remarks

Remark Type	Remark
-------------	--------

Requested by: Bellefeuille, Jay

Requested on: Wed 16-Mar-2022 1035 (PDT)

Submitted by: JayBellefeuille

Submitted on: Wed 16-Mar-2022 1043 (PDT)

Last Updated by: Bellefeuille, Jay

Updated on: Wed 16-Mar-2022 1044 (PDT)

From: bpaoutage@bpa.gov

Sent: Wed Mar 23 10:11:29 2022

To: DISPATCH@POPUD.ORG

Subject: 22-05696; 03/23/2022 1700; USK: PCB A-953

Importance: Normal

Status Change from READY to ACTIVE

Request #: 22-05696

Start: 03/23/2022 1700

End: 03/23/2022 1800

Switching Start: 03/23/2022 1705

Station(s): USK

Line/Equipment: USK: PCB A-953, USK: PCB A-958

Voltage: 230

Outage Status: ACTIVE

Work to be performed: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

From: bpaoutage@bpa.gov

Sent: Wed Mar 23 10:41:52 2022

To: DISPATCH@POPUD.ORG

Subject: 22-05696; 03/23/2022 1700; USK: PCB A-953

Importance: Normal

Status Change from ACTIVE to COMPLETED

Request #: 22-05696

Start: 03/23/2022 1700

End: 03/23/2022 1800

Switching Start: 03/23/2022 1705

Station(s): USK

Line/Equipment: USK: PCB A-953, USK: PCB A-958

Voltage: 230

Outage Status: COMPLETED

Work to be performed: Usk 230 kV feed to Ponderay Industries (old PNC site). BPA device A-953, A-958 and POPD device PU82052. Ponderay Industries needs a quick outage to close two air switches in order to energize two 13.8kV 45 MVA transformers. The POPD Dispatcher will open PU82052 in coordination with the BPA System Dispatcher opening A-953 and A-958.

From: McKay,Barbara A (CONTR) - TS-DITT-2

Sent: Wed Mar 23 12:14:36 2022

To: Colin Willenbrock

Subject: Meeting request RE: Allrise/Ponderay Project

Importance: Normal

Hello Colin;

Here are a few dates/times that Jeff is available for a call. Let me know if any of these work for you then I can send out an invite.

- Mar 29th from 9:30-9:55am
- Mar 31st from 4:15-4:45pm

Thank you,

Barbara McKay

(360) 418-8634

From: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Sent: Wednesday, March 23, 2022 10:57 AM
To: Colin Willenbrock <cwillenbrock@popud.org>; McKay, Barbara A (CONTR) - TS-DITT-2 <bamckay@bpa.gov>
Subject: RE: Allrise/Ponderay Project

Colin

All is well just busy as I am sure you are. Absolutely we can get a call. Most likely next week since I am heading out of town tomorrow. I have included Barb in the email to help find us some time. Guessing 30 minutes is good?

Jeff

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Colin Willenbrock <cwillenbrock@popud.org>
Sent: Wednesday, March 23, 2022 10:39 AM

To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Subject: [EXTERNAL] Allrise/Ponderay Project

Jeff,

I hope this email finds you well. Any chance we could link up for quick call this week or early next? Please let me know your availability and I'll make it work on my end.

Thanks,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

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From: McKay,Barbara A (CONTR) - TS-DITT-2

Sent: Wed Mar 23 12:16:09 2022

To: Colin Willenbrock; Cook,Jeffrey W (BPA) - TP-DITT-2

Subject: RE: Allrise/Ponderay Project

Importance: Normal

Looks like my email crossed with yours J

He can make the Mar 30th at 3pm work. I will send the invite.

Thank you,

Barbara McKay

(360) 418-8634

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Wednesday, March 23, 2022 12:09 PM

To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; McKay, Barbara A (CONTR) - TS-DITT-2 <bamckay@bpa.gov>
Subject: [EXTERNAL] RE: Allrise/Ponderay Project

Sounds good. Barb, I can be available at the following times next week.

3/28 – 10am, 11am, 2pm

3/29 – 1pm

3/30 – 8am, 10am, 3pm

Thank you,

Colin

From: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Sent: Wednesday, March 23, 2022 10:57 AM
To: Colin Willenbrock <cwillenbrock@popud.org>; McKay, Barbara A (CONTR) - TS-DITT-2 <bamckay@bpa.gov>
Subject: RE: Allrise/Ponderay Project

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Colin

All is well just busy as I am sure you are. Absolutely we can get a call. Most likely next week since I am heading out of town tomorrow. I have included Barb in the email to help find us some time. Guessing 30 minutes is good?

Jeff

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Wednesday, March 23, 2022 10:39 AM

To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Subject: [EXTERNAL] Allrise/Ponderay Project

Jeff,

I hope this email finds you well. Any chance we could link up for quick call this week or early next? Please let me know your availability and I'll make it work on my end.

Thanks,

Colin

F. Colin Willenbrock

General Manager

Public Utility District No. 1 of Pend Oreille County

P.O. Box 190 | 130 N. Washington

Newport, Washington 99156

509.447.3137 | cwillenbrock@popud.org | www.popud.org

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Pend Oreille County Public Utility District #1

From: Cook,Jeffrey W (BPA) - TP-DITT-2

Sent: Wed Mar 23 12:44:27 2022

To: cwillenbrock@popud.org

Subject: Allrise/Ponderay Project

Importance: Normal

From: McKay, Barbara A (CONTR) - TS-DITT-2

Sent: Wed Mar 23 12:44:27 2022

To: cwillenbrock@popud.org

Subject: Allrise/Ponderay Project

Importance: Normal

From: Cook,Jeffrey W (BPA) - TP-DITT-2

Sent: Wed Mar 23 12:44:27 2022

To: cwillenbrock@popud.org

Subject: Allrise/Ponderay Project

Importance: Normal

From: Interconnection

Sent: Thu Mar 31 14:12:04 2022

To: cwillenbrock@popud.org

Cc: Harris, Adelle L (TFE)(BPA) - TSES-TPP-2; Galbraith, Brian T (BPA) - TPCC-TPP-4; Lacambra, Jared M (BPA) - TPCF-MEAD-GOB; Lewis, Jacob A (BPA) - TPCF-REDMOND; Mendez-Sierra, Akira M (BPA) - TPPC-OPP-3; Rochelle, Patrick R (BPA) - TPPB-OPP-3; Stinnette, William W (CONTR) - EC-4; Wick, Martin A (BPA) - TPCV-TPP-4; Witthaus, Christopher C (BPA) - TPMC-OPP-3; PWA Study; Lee, Christina A (BPA) - TPP-OPP-3; Geyer, Sheryl A (CONTR) - TPP-OPP-3; Hammack, Debby (BPA) - TPPC-OPP-3; Idowu, Ayodele O (BPA) - TPMC-OPP-3; Moyer, Robert B (CONTR) - TPCC-TPP-4; Smith III, James B (CONTR) - TPCC-TPP-4

Subject: L0511 Ponderay Renewable Fiber and Blockchain Center Expansion: IMPORTANT STUDY DELAY TO CUSTOMER

Importance: High

To: F. Colin Willenbrock

This e-mail serves as BPA's notification to Pend Oreille County PUD No. 1 that we will not be able to complete the Feasibility Study for the Line and Load Interconnection request number L0511 by April 14, 2022.

The reason for the delay is that additional time is needed to determine the plan of service for this interconnection request.

BPA will proceed to complete the Study with a targeted completion date of May 27, 2022.

If you have any questions please contact your assigned Transmission Account Executive or Customer Service Engineer.

Thank you

From: Colin Willenbrock

Sent: Fri Apr 01 15:14:31 2022

To: Cook,Jeffrey W (BPA) - TP-DITT-2

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2; Green,Laura E (TFE)(BPA) - TSE-TPP-2; Johnson,G Douglas (BPA) - DK-7; Johnson,Kelly G (BPA) - TPC-TPP-4; Hitchens,Victor P (BPA) - TPCF-MEAD-GOB; Lewis,Jacob A (BPA) - TPCF-REDMOND; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Bustamante,Richard (BPA) - PTK-5; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3; Tyler Whitney

Bcc: rxbustamante@bpa.gov; alharris@bpa.gov; kgjohnson@bpa.gov; jmlacambra@bpa.gov; ammendezsierra@bpa.gov; gdjohnson@bpa.gov; vphitchens@bpa.gov; legreen@bpa.gov; jalewis@bpa.gov

Subject: [EXTERNAL] RE: Additional info on Mill Load

Importance: Normal

Thank you for that confirmation, Jeff. Have a great weekend.

Colin

From: Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Sent: Friday, April 1, 2022 3:00 PM

To: Colin Willenbrock <cwillenbrock@popud.org>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Green,Laura E (TFE)(BPA) - TSE-TPP-2 <legreen@bpa.gov>; Johnson,G Douglas (BPA) - DK-7 <gdjohnson@bpa.gov>; Johnson,Kelly G (BPA) - TPC-TPP-4 <kgjohnson@bpa.gov>; Hitchens,Victor P (BPA) - TPCF-MEAD-GOB <vphitchens@bpa.gov>; Lewis,Jacob

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Subject: RE: Additional info on Mill Load

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Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Friday, April 1, 2022 1:44 PM

To: Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>
Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Green,Laura E (TFE)(BPA) - TSE-TPP-2 <legreen@bpa.gov>; Johnson,G Douglas (BPA) - DK-7 <gdjohnson@bpa.gov>; Johnson,Kelly G (BPA) - TPC-TPP-4 <kgjohnson@bpa.gov>; Hitchens,Victor P (BPA) - TPCF-MEAD-GOB <vphitchens@bpa.gov>; Lewis,Jacob A (BPA) - TPCF-REDMOND <jalewis@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Bustamante,Richard (BPA) - PTK-5 <rxbustamante@bpa.gov>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Tyler Whitney <TWhitney@popud.org>
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Subject: Additional info on Mill Load

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Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

(b)(6) (cell)

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[Pend Oreille County Public Utility District #1](#)

From: Colin Willenbrock

Sent: Fri Apr 01 15:14:31 2022

To: Cook,Jeffrey W (BPA) - TP-DITT-2

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2; Green,Laura E (TFE)(BPA) - TSE-TPP-2; Johnson,G Douglas (BPA) - DK-7; Johnson,Kelly G (BPA) - TPC-TPP-4; Hitchens,Victor P (BPA) - TPCF-MEAD-GOB; Lewis,Jacob A (BPA) - TPCF-REDMOND; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB; Bustamante,Richard (BPA) - PTK-5; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3; Tyler Whitney

Subject: [EXTERNAL] RE: Additional info on Mill Load

Importance: Normal

Thank you for that confirmation, Jeff. Have a great weekend.

Colin

From: Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Sent: Friday, April 1, 2022 3:00 PM

To: Colin Willenbrock <cwillenbrock@popud.org>

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Bonneville Power Administration

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(b)(6) (cell)

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Friday, April 1, 2022 1:44 PM

To: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

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Subject: Additional info on Mill Load

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[Pend Oreille County Public Utility District #1](#)

From: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2

Sent: Fri Apr 01 15:22:01 2022

To: Colin Willenbrock

Subject: RE: Additional info on Mill Load

Importance: Normal

Good to go!

Have a great weekend!

Adelle

From: Colin Willenbrock <cwillenbrock@popud.org>

Sent: Friday, April 1, 2022 3:15 PM

To: Cook,Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Cc: Harris,Adelle L (TFE)(BPA) - TSES-TPP-2 <alharris@bpa.gov>; Green,Laura E (TFE)(BPA) - TSE-TPP-2 <legreen@bpa.gov>; Johnson,G Douglas (BPA) - DK-7 <gdjohnson@bpa.gov>; Johnson,Kelly G (BPA) - TPC-TPP-4 <kgjohnson@bpa.gov>; Hitchens,Victor P (BPA) - TPCF-MEAD-GOB <vphitchens@bpa.gov>; Lewis,Jacob A (BPA) - TPCF-REDMOND <jalewis@bpa.gov>; Lacambra,Jared M (BPA) - TPCF-MEAD-GOB <jmlacambra@bpa.gov>; Bustamante,Richard (BPA) - PTK-5 <rxbustamante@bpa.gov>; Mendez-Sierra,Akira M (BPA) - TPPC-OPP-3 <ammendezsierra@bpa.gov>; Tyler Whitney <TWhitney@popud.org>

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