



## Department of Energy

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

FREEDOM OF INFORMATION ACT PROGRAM

October 31, 2024

In reply refer to: FOIA #BPA-2024-01695-F

**SENT VIA EMAIL ONLY TO:** Possible PII

Paul Majkut  
Coalition to Protect Forest Park

Possible PII

Dear Mr. Majkut,

This communication is the Bonneville Power Administration's (BPA) final response to your request for agency records made under the Freedom of Information Act, 5 U.S.C. § 552 (FOIA). BPA received your records request on April 12, 2024, and formally acknowledged your request on May 9, 2024.

### Request

- "Coalition to Protect Forest Park seeks any analysis BPA has done and any communications BPA has had with Portland General Electric (PGE) regarding PGE's proposed line, including PGE's use of BPA's transmission corridor through Forest Park in Portland, Oregon; AND
- The Coalition seeks any analysis and any communications [related to the preceding request item] dated between January 1, 2021, and April 11, 2024; AND
- The Coalition also seeks any potentially applicable BPA policies regarding the sharing of BPA corridors with public or private utilities, including PGE."

### Response

BPA has searched for and gathered records from the agency's Real Property Field Services, Planning and Asset Management, Transmission Sales, and Regional Relations Offices. Personnel in those offices have provided 178 pages of agency records. The records accompany this communication, with the following redactions applied:

- 59 redactions applied under 5 U.S.C. § 552(b)(6) (Exemption 6).

In addition, BPA has applied 20 redactions to records about topics or projects unrelated and not responsive to your FOIA request.

You'll find a detailed explanation of the applied exemptions below.

### **Explanation of Exemptions**

The FOIA generally requires the release of all agency records upon request. However, the FOIA permits or requires withholding certain limited information that falls under one or more of nine statutory exemptions (5 U.S.C. §§ 552(b)(1-9)). Further, section (b) of the FOIA, which contains FOIA's nine statutory exemptions, also directs agencies to publicly release any reasonably segregable, non-exempt information that is contained in those records.

#### **Exemption 6**

Exemption 6 protects Personally Identifiable Information (PII) contained in agency records when no overriding public interest in the information exists. BPA does not find an overriding public interest in a release of the information redacted under Exemption 6 — specifically, personal signatures and cell numbers. BPA cannot waive these PII redactions, as the protections afforded by Exemption 6 belong to individuals and not to the agency.

Lastly, as required by 5 U.S.C. § 552(a)(8)(A), information has been withheld only in instances where (1) disclosure is prohibited by statute, or (2) BPA foresees that disclosure would harm an interest protected by the exemption cited for the record. When full disclosure of a record is not possible, the FOIA statute further requires that BPA take reasonable steps to segregate and release nonexempt information. The agency has determined that in certain instances partial disclosure is possible and has accordingly segregated the records into exempt and non-exempt portions.

### **Certification**

Pursuant to 10 C.F.R. § 1004.7(b)(2), I am the individual responsible for the records search, the redactions applied thereto, and the records release described above.

### **Appeal**

The records release certified above is final. Pursuant to 10 C.F.R. § 1004.8, you may appeal the adequacy of the records search, and the completeness of this final release, within 90 calendar days from the date of this communication. Appeals should be addressed to:

Director, Office of Hearings and Appeals  
HG-1, L'Enfant Plaza  
U.S. Department of Energy  
1000 Independence Avenue, S.W.  
Washington, D.C. 20585-1615

The written appeal, including the envelope, must clearly indicate that a FOIA appeal is being made. You may also submit your appeal by e-mail to [OHA.filings@hq.doe.gov](mailto:OHA.filings@hq.doe.gov), including the phrase "Freedom of Information Appeal" in the subject line. (The Office of Hearings and



Appeals prefers to receive appeals by email.) The appeal must contain all the elements required by 10 C.F.R. § 1004.8, including a copy of the determination letter. Thereafter, judicial review will be available to you in the Federal District Court either (1) in the district where you reside, (2) where you have your principal place of business, (3) where DOE's records are situated, or (4) in the District of Columbia.

Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows:

Office of Government Information Services  
National Archives and Records Administration  
8601 Adelphi Road-OGIS  
College Park, Maryland 20740-6001  
E-mail: [ogis@nara.gov](mailto:ogis@nara.gov)  
Phone: 202-741-5770  
Toll-free: 1-877-684-6448  
Fax: 202-741-5769

Questions about this communication or the status of your FOIA request may be directed to James King, FOIA Public Liaison, at [jjking@bpa.gov](mailto:jjking@bpa.gov) or 503-230-7621. Questions may also be directed to E. Thanh Knudson, Case Coordinator (ACS Staffing Group), at 503-230-5221 or [etknudson@bpa.gov](mailto:etknudson@bpa.gov).

Sincerely,

Candice D. Palen  
Freedom of Information/Privacy Act Officer

[Attachments / Enclosures: Agency records responsive to FOIA request BPA-2024-01695-F accompany this communication.](#)

Contract No. 14-03-29788  
St. Johns-Longview and  
Vancouver-Eugene lines

ROAD USE AGREEMENT

This AGREEMENT, made as of the 2nd day of May, 1972, by and between the UNITED STATES OF AMERICA, Department of the Interior, acting through the Bonneville Power Administrator (hereinafter called BPA), and PORTLAND GENERAL ELECTRIC COMPANY (hereinafter called PGE);

W I T N E S S E T H:

WHEREAS, the parties hereto have need for and do use, under various rights, easements and permits, existing roads located in Multnomah and Columbia Counties, in the State of Oregon, in the tracts and locations set out in Exhibit A, attached hereto and by this reference made a part hereof, said roads being colored in green on BPA maps numbered 110603, 110604, 110605, 110606, 110633, 110634, 110635, on file with the parties hereto;

WHEREAS, it is the desire of these parties to share equally the expense of repair and maintenance of said roads;

NOW, THEREFORE, it is hereby agreed:

1. That any rights granted hereunder by BPA are subject to the existing rights of other parties, if any.
2. PGE shall be liable for any damage to BPA's transmission facilities caused by PGE's use of said roads.
3. Except for loss, damage or claims caused by or resulting from the negligence of the parties hereto or their employees, said parties hereto assume all risk of loss or damage to their facilities resulting from the presence of the facilities of any one of said parties on said road rights-of-way and further, each party using said rights-of-way will immediately repair any and all damage resulting from the use of said road rights-of-way by said party.
4. Each party will share said road rights-of-way with the other and pay its proportionate share of the routine maintenance costs of said roads and will pay its proportionate share of emergency maintenance costs of said roads, all of which maintenance costs are not within the provisions of Paragraph 3 above.

5. It is understood and agreed that either of the parties hereto may place gates on these access roads provided that each party is permitted to place its own locks thereon. Each party agrees to make all reasonable effort to keep all gates locked and to keep keys from coming into the possession of unauthorized persons.

6. Any expenditures to be made hereunder shall be subject to the availability of funds which may be lawfully expended therefor.

7. By entering into this agreement, neither of the parties hereto make any warranty or covenant as to the rights it may have in the road or roads herein described, it being understood that each party hereto has made its own arrangements with the owners of the underlying fee.

8. If either party hereto abandons said road or roads by removing its locks and facilities, or if either party hereto shall give six (6) months notice to the other of its intention to abandon said road or roads, then this agreement shall be deemed terminated.

9. No Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit that may arise therefrom. Nothing, however, in this restriction, herein contained, shall be construed to extend to such agreement if made with a corporation for its general benefit.

This agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed as of the day and year first above written.

PORTLAND GENERAL ELECTRIC COMPANY

By (b)(6) (Title) *U/S*  
SENIOR VICE PRESIDENT

UNITED STATES OF AMERICA  
Department of the Interior  
Bonneville Power Administration

By (b)(6)  
Head, Title Section  
Branch of Land

K# 29788

EXHIBIT A

Tracts of Land - St. Johns-Longview

VE-42	Part of Jacob L. Sanders DLC No. 53, sec. 34, T2N., R1W., W.M.
VE-43	Part of Government Lot 9, sec. 34, T2N., R1W., W.M.
SJ-S-6	Part of Jacob L. Sanders DLC No. 53, sec. 34, T2N., R.1W., W.M.
SJ-S-7	Part of Jacob L. Sanders DLC No. 53, sec. 34, T2N., R1W., W.M.
SJ-FG-66 SJ-FG-66A	Part of Government Lot 8, sec. 34, T2N., R1W., W.M.
SJ-FG-67	Part of Government Lot 9, sec. 34, T2N., R1W., W.M.
SJ-B-3 SJ-B-3A	Part of Government Lot 8, sec. 34, T2N., R1W., W.M.
SJ-B-4	Part of Government Lot 9, sec. 34, T2N., R1W., W.M.
SJ-A-2	Part of Government Lot 8, sec. 34, T2N., R1W., W.M.
SJ-A-1	Part of sec. 34, T2N., R1W., W.M.
SJ-A-AR-3-1	Part of Government Lots 8 and 9, sec. 34, T2N., R1W., W.M.
SJ-A-AR-3-2	Part of NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T2N., R1W., W.M.
SJ-A-AR-3-3	Part of SE $\frac{1}{4}$ NE $\frac{1}{4}$ and E $\frac{1}{2}$ SE $\frac{1}{4}$ , sec. 33, T2N., R1W., W.M.
SJ-A-AR-4-1	Part of Block 1, Armona, sec. 28, T2N., R1W., W.M.
SJ-A-17	Part of Blocks 5 and 6, Armona, sec. 28, T2N., R1W., W.M.
SJ-A-18 SJ-A-19	Part of View Heights, sec. 28, T2N., R1W., W.M.
SJ-A-21	Part of Block 3, Lucerne, sec. 28, T2N., R1W., W.M.
SJ-A-23 SJ-A-24	Part of Block 1 Lucerne, sec. 28, T2N., R1W., W.M.
SJ-A-25	Part of Government Lot 2, sec. 28, T2N., R1W., W.M.
SJ-A-AR-4-2	Part of Government Lot 2, sec. 28, T2N., R1W., W.M.
SJ-A-AR-5-1	Part of Government Lot 2, sec. 28, and NE $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 29, T2N., R1W., W.M.
SJ-A-AR-5-5	Part NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T2N., R1W., W.M.
SJ-A-26	Part SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T2N., R1W., W.M.

K#29788

SJ-A-27 Part NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, part SW $\frac{1}{4}$ SE $\frac{1}{4}$ , sec. 20, and part of Blocks 22 and 23, Burlington Subdivision in John J. Tomlinson DLC No. 52, T2N., R1W., W.M.

SJ-A-Ah-5-2 Part NE $\frac{1}{4}$ NE $\frac{1}{4}$  and part NW $\frac{1}{4}$ NE $\frac{1}{4}$ , sec. 28, T2N., R1W., W.M.

SJ-A-AR-5-3 Part NW $\frac{1}{4}$ NE $\frac{1}{4}$ , sec. 29, T2N., R1W., W.M.

SJ-A-AR-5-4 Part SW $\frac{1}{4}$ SE $\frac{1}{4}$ , part Government Lot 4, part Government Lot 5, and part John J. Tomlinson DLC No. 52, T2N., R1W., W.M.

SJ-A-AR-33-1 Part NE $\frac{1}{4}$ NE $\frac{1}{4}$ , sec. 23, T6N., R2W., W.M.

SJ-A-321 Part NE $\frac{1}{4}$ NE $\frac{1}{4}$ , sec. 23, T6N., R2W., W.M.

SJ-A-322 Part SE $\frac{1}{4}$ SE $\frac{1}{4}$ , sec. 14, T6N., R2W., W.M.

SJ-A-323 Part SW $\frac{1}{4}$ SE $\frac{1}{4}$ , sec. 14, T6N., R2W., W.M.

SJ-A-326 Part NW $\frac{1}{4}$ SE $\frac{1}{4}$  and part SW $\frac{1}{4}$ NE $\frac{1}{4}$ , sec. 14, T6N., R2W., W.M.

SJ-A-AR-34-1 Part NW $\frac{1}{4}$ SE $\frac{1}{4}$ , and NE $\frac{1}{4}$ SW $\frac{1}{4}$ , sec. 14, T6N., R2W., W.M.

SJ-A-327 Part NE $\frac{1}{4}$ NW $\frac{1}{4}$ , sec. 14, T6N., R2W., W.M.

SJ-A-328 Part SW $\frac{1}{4}$ SW $\frac{1}{4}$  and part SE $\frac{1}{4}$ SW $\frac{1}{4}$ , sec. 11, T6N., R2W., W.M.

SJ-A-329 Part NW $\frac{1}{4}$ SW $\frac{1}{4}$ , sec. 11, T6N., R2W., W.M.



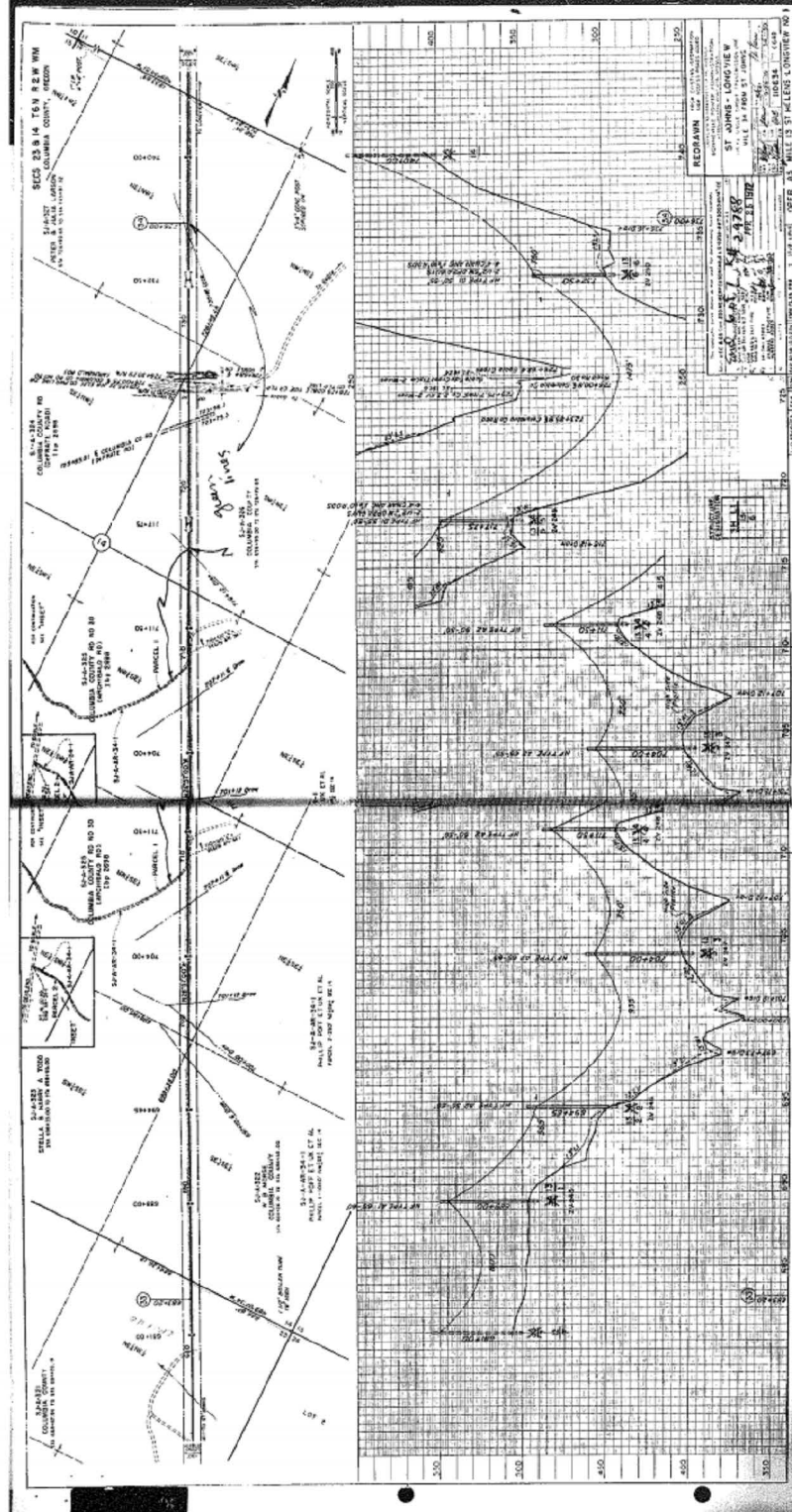
















## Memorandum



DATE : December 21, 1971

In reply  
refer to :

TO : Tom Kornelius, Asst. Chief, Branch of Land, EL

FROM : Wm. G. Neuschwanger, Supt., Transmission  
Maintenance, OPTSUBJECT: St. Johns-St. Helens  
St. Helens-Longview  
Access Road Damage

A recent working patrol of the subject lines revealed that in the sections paralleled by the PGE Trojan Tap line our access roads are being severely damaged by the PGE Co. Contractor. We have no objections to their use of these roads but want assurance from PGE that upon completion of construction our roads will be restored to normal condition. Some of these roads are rocked and will require resurfacing.

cc:  
D. Ellsworth, OPTR/Ross

WGN/afw 12-21-71

Official File OPT

(b)(6)

PGE

Chet Trojan

228-7151

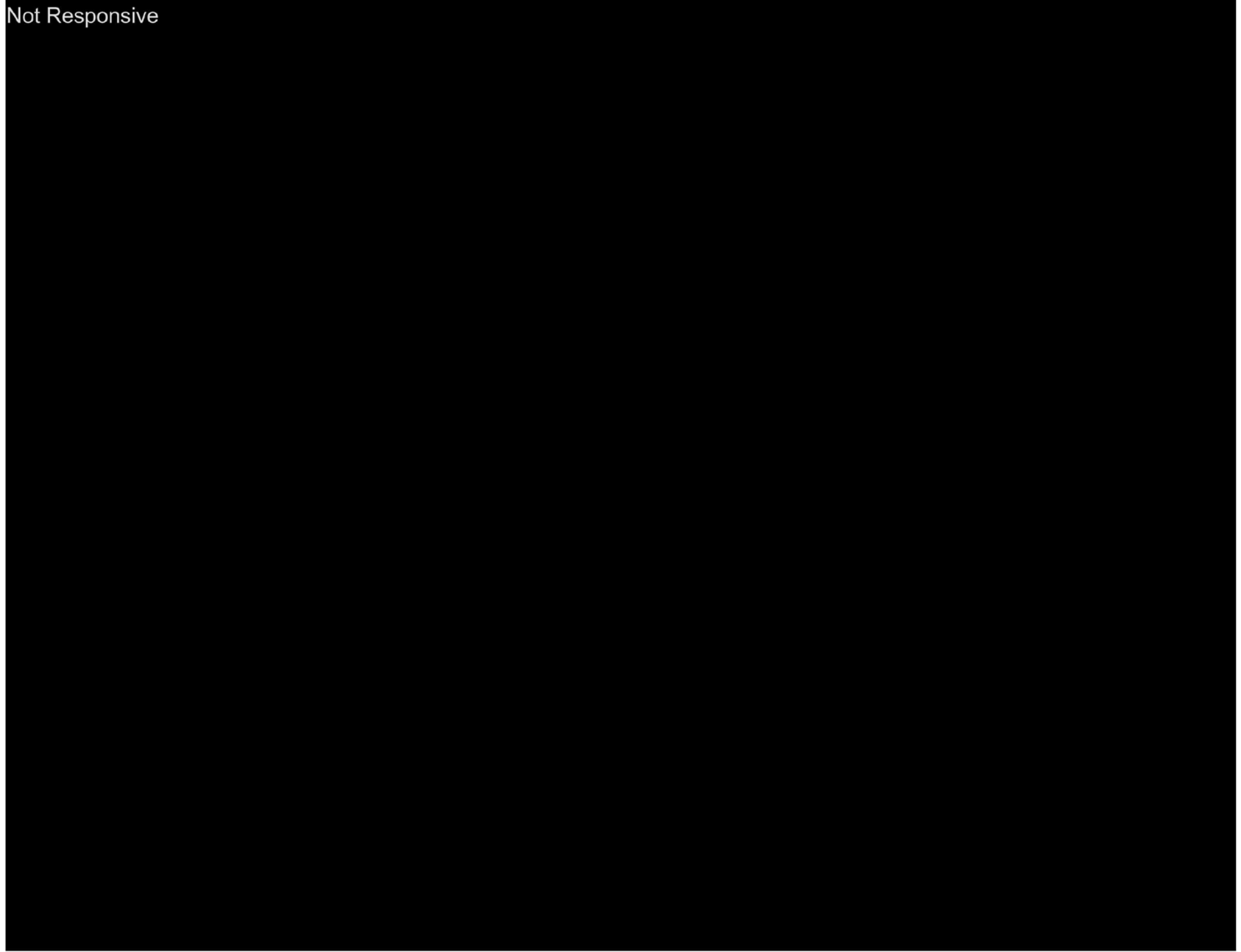
Chet Trojan will give us a letter of  
assurance on restoration of roads.  
C. No 12-23-71

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

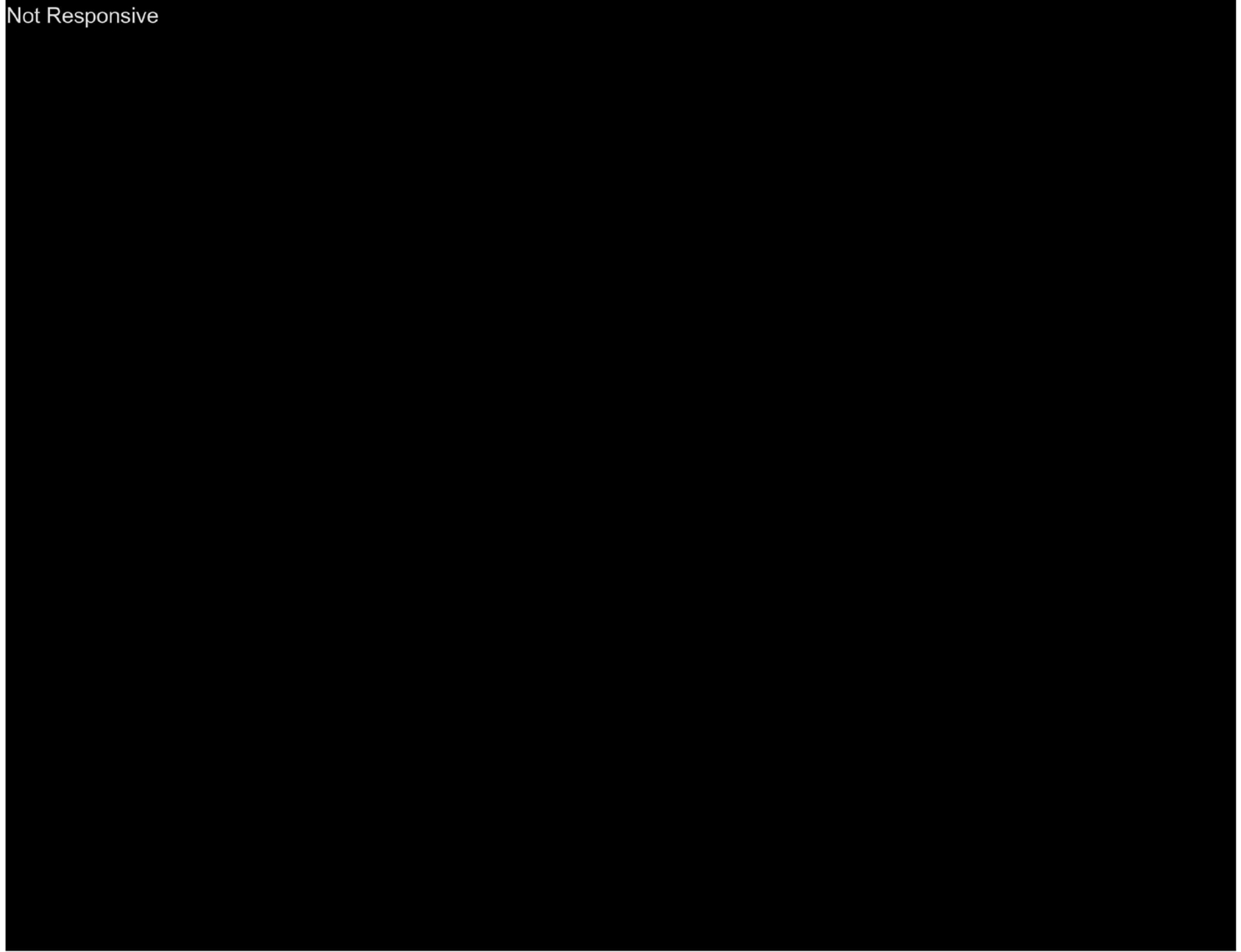
INTERIOR - BONNEVILLE POWER ADMINISTRATION, PORTLAND, OREGON

BPA 1100 Mar. 1971

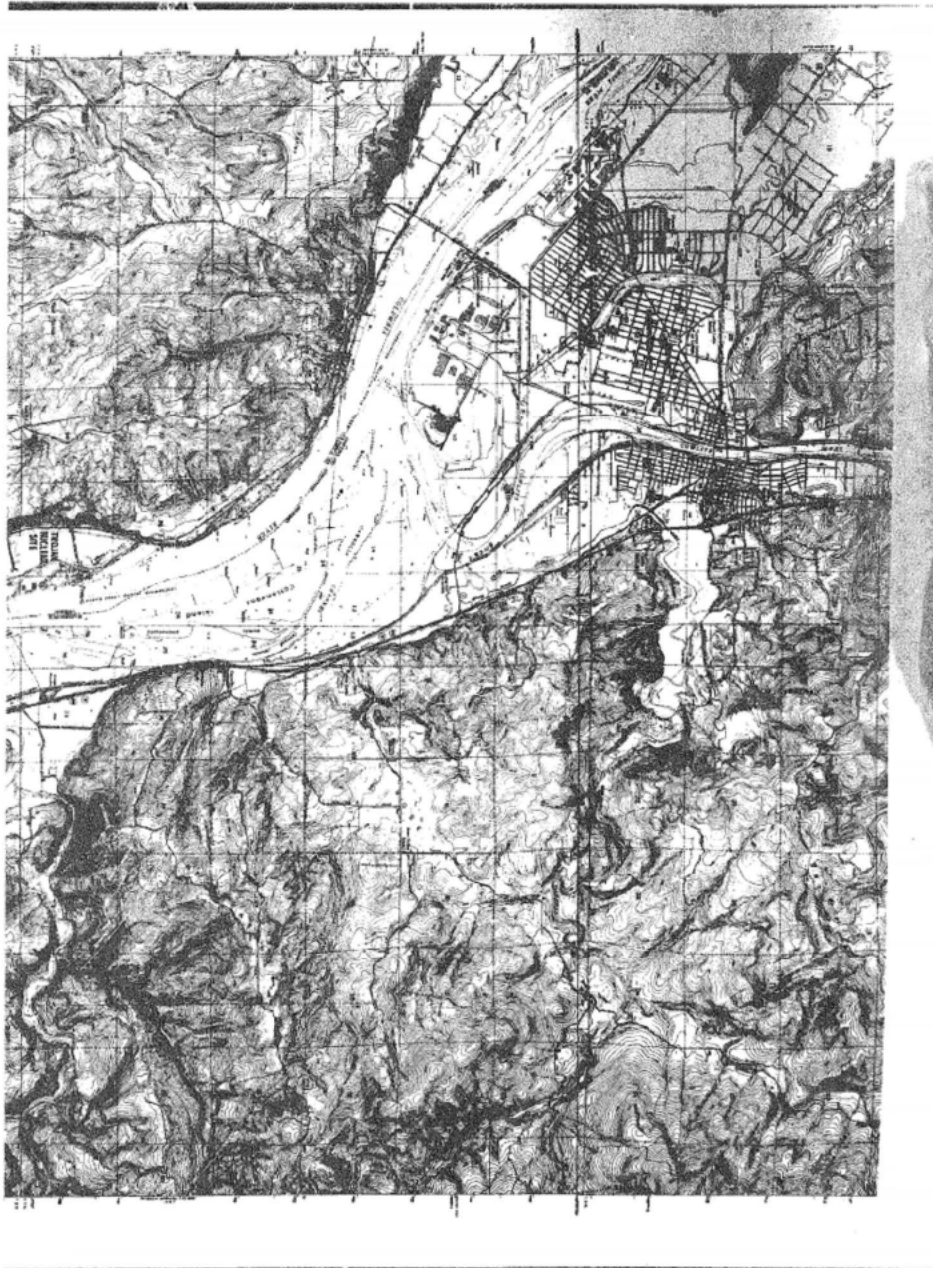
Not Responsive



Not Responsive









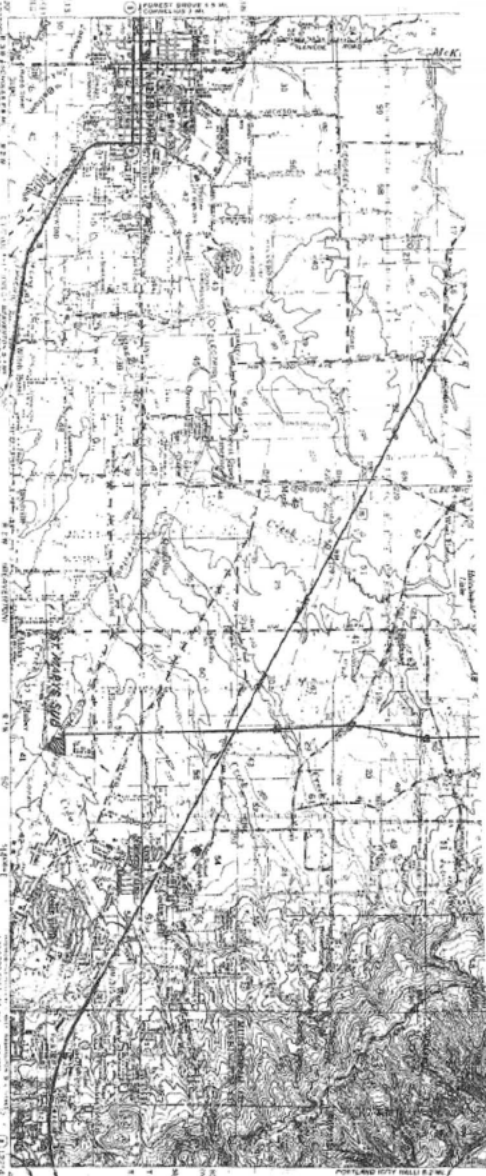








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 prepared by the U.S. Army Corps of Engineers  
 in 1961, and is not a survey map.  
 It is not to be used for legal purposes.  
 The U.S. Army Corps of Engineers  
 is not responsible for any errors or  
 omissions in this map.



PORTLAND GENERAL ELECTRIC COMPANY  
 PORTLAND, OREGON  
 ST. MARYS - HARBORION - TROJAN  
 230 W. TRANSMISSION  
 LOCATION MAP

From Post Office Division 12-23-71

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**From:** Tina Tippin <Tina.Tippin@pgn.com>  
**Sent:** Tuesday, January 30, 2024 10:57 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PReceived From Subject Message ROJECT - updated plan  
**Attachments:** 17925\_Harborton\_20231130.pdf; Harborton\_90pct.kmz; Harborton\_TransportationPlan\_20231201.pdf

Ok, let me download them and send them over.

I'm in meetings for the rest of the day so I'll get the complete files. In the meantime, here's what I have.

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Sent:** Tuesday, January 30, 2024 10:55 AM  
**To:** Tina Tippin <Tina.Tippin@pgn.com>  
**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PReceived From Subject Message ROJECT - updated plan

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Hey Tina,

No problem, I tried and cannot access.

thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)  
[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Tuesday, January 30, 2024 10:47 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PReceived From Subject Message ROJECT - updated plan

Hi Billie,

Sorry about that.

Here you go. See if you can open the documents attached in the email.

If not, please let me know.

Thanks, Tina

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Tuesday, January 30, 2024 10:43 AM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PReceived From Subject Message ROJECT - updated plan

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Good Morning Tina,

I don't see anything attached to this email.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)  
[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Monday, January 29, 2024 11:39 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PReceived From Subject Message ROJECT - updated plan

Hi Billie,

I hope all is well with you. 😊

I finally have the access road details for you to review. Please see if you are able access the attached folder. If not, I'll download and send them over.

Please let us know when BPA may be able to talk with us about this project.

Thanks,



**Tina Tippin**

Senior Property Specialist, Property Rights Organization  
503-464-7672 | 503-708-4386  
[portlandgeneral.com](http://portlandgeneral.com) | Follow us on social @PortlandGeneral  
**An Oregon kind of energy.**



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**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Tuesday, January 16, 2024 9:33 AM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT - updated plan

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Good Morning Tina,

I am just checking to see if PGE has identified the roads they will be improving within the Forest Park area?

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Wednesday, April 26, 2023 2:38 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmmaster@bpa.gov](mailto:lmmaster@bpa.gov)>; Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT - updated plan

Hi Billie,

Here's a map we've been recently using. We have just submitted the land use for our geotech work for the "big" project we talked about earlier. The geotech work is needed prior to us submitting the Land Use for the new line.

Please let me know if you would like to talk about.

Thanks,

**Tina Tippin** Senior Property Specialist | 503-464-7672

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Wednesday, April 26, 2023 10:26 AM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmmaster@bpa.gov](mailto:lmmaster@bpa.gov)>

**Subject:** RE: [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT - updated plan

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Good Morning Tina,

The conversation regarding access road improvements on the St Johns-St Helens line was discussed at our last meeting. I am currently working through identifying which roads specifically will be getting improved/reconstructed. We have a meeting to go over that 30% plan on May 11<sup>th</sup>. My plan is to discuss with the project team a meeting between BPA and PGE. I will know more shortly.

Do you by any chance have any plans, drawings etc. identifying which roads PGE plans to improve in the area?

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Sent:** Wednesday, April 26, 2023 9:18 AM

**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>

**Subject:** [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT - updated plan

**Importance:** High

Hi Billie,

I just realized I hadn't send I the application for this. I'll prepare and send it over. My apologies.

Whatever came out of the March 20<sup>th</sup> meeting? Can we talk with your Team?

Thanks,

**Tina Tippin** Senior Property Specialist | 503-464-7672

---

**From:** Tina Tippin

**Sent:** Wednesday, February 22, 2023 9:12 AM

**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>

**Subject:** RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT - updated plan

Hi Billie and Laura,

Thank you for the additional information. This is helpful.

Here is a preliminary plan of our project. When it was created it was high level with no detailed engineering.

We did have a pre-app with the City of Portland in June 2022 and continue to have conversations with them regarding the project as well as having various consultants doing analysis and studies. This is also where it would be helpful to have our Project Managers and us have a meeting. Which of course we'd love to do sooner than later.

Thank you for your time. I look forward to work with both of you.



**Tina Tippin**

Property Services | 503-464-7672 | 503-708-4386  
portlandgeneral.com | Follow us on social @PortlandGeneral  
An Oregon kind of energy.

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**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Tuesday, February 21, 2023 10:31 AM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmmaster@bpa.gov](mailto:lmmaster@bpa.gov)>  
**Subject:** RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Good Morning Tina,

Per our conversation this morning, please see the attached Application for Proposed Use. Plan being to submit one application for the existing use and one for the proposed upcoming use. Once filled out you can send these back to myself and Laura Master and we will get the review started.

I attached the road use agreement we talked about for upcoming road improvements. I will inform BPA's project team of coordinating the work with PGE at our next meeting (March 20<sup>th</sup>) and inquire as to a meeting between PGE and BPA.

The Plan and Profiles for the transmission line and access roads for the requested area are also attached.

If you could send me any plans, surveys, information you have for your upcoming road work so I can pass that along to the BPA team that would be great as well.

Look forward to working with you.

Thanks,



Billie Woodman

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Sent:** Tuesday, February 21, 2023 9:12 AM

**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Subject:** [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT

Hi Billy,

Can I call you at 9:30?

Tina

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Sent:** Tuesday, February 21, 2023 8:27 AM

**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>; Belt,Charlene R (BPA) - TERR-TPP-2 <[crbelt@bpa.gov](mailto:crbelt@bpa.gov)>

**Subject:** RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Good Morning Tina,

I can call you sometime today to discuss if you are free.

Thanks,

Billie Woodman

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Sent:** Tuesday, February 21, 2023 7:35 AM

**To:** Belt,Charlene R (BPA) - TERR-TPP-2 <[crbelt@bpa.gov](mailto:crbelt@bpa.gov)>; Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>

**Subject:** [EXTERNAL] RE: Follow up to our conversation - FOREST PARK ROAD IMPROVEMENT PROJECT  
**Importance:** High

Hi everyone,

I haven't heard back from anyone at BPA regarding this project. PGE would like to partner with BPA to build better access in Forest Park.

Can someone please contact me at 503.464.7672 to discuss the BPA and the PGE upcoming projects?

Thank you,



**Tina Tippin**

Property Services | 503-464-7672 | 503-708-4386  
portlandgeneral.com | Follow us on social @PortlandGeneral  
An Oregon kind of energy.

---

**From:** Tina Tippin  
**Sent:** Tuesday, January 31, 2023 12:11 PM  
**To:** 'Belt,Charlene R (BPA) - TERR-TPP-2' <[crbelt@bpa.gov](mailto:crbelt@bpa.gov)>; Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmmaster@bpa.gov](mailto:lmmaster@bpa.gov)>  
**Subject:** RE: Follow up to our conversation

Hi Charlene, Billie and Laura,

Thank you for this information. I look forward to seeing what else you find. I also have our survey group verifying legals and deeds.

@Woodman,Billie J (BPA) - TERR-ROSS MHQA would it be possible to schedule a meeting with you and your project manager to talk about your upcoming project and ours?

My contact information is:



**Tina Tippin**

Property Services | 503-464-7672 | 503-708-4386  
portlandgeneral.com | Follow us on social @PortlandGeneral  
An Oregon kind of energy.

Thank you everyone.

---

**From:** Belt,Charlene R (BPA) - TERR-TPP-2 <[crbelt@bpa.gov](mailto:crbelt@bpa.gov)>  
**Sent:** Tuesday, January 31, 2023 11:47 AM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Cc:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>; Master,Laura M (CONTR) - TERR-3 <[lmmaster@bpa.gov](mailto:lmmaster@bpa.gov)>  
**Subject:** Follow up to our conversation



Please take care when opening links, attachments or responding to this email.

Below is the screen shot of the area we discussed. The purple lines are PGE and the pink lines are BPA. Yellow is BPA easement, purple is BPA fee property. I show one Service Line Agreement – Case #19730236 Contract #14-03-39662 associated with the PGE lines (same as you). I do not show the agreement associated with Parcel ID: 2N1W34CB -00800 (Tract ID: SJ-5-2-A-9). Our system is coding the area as fee-owned but it is also coming up as City of Portland.

[illegible]

BPA-2024-01695-F 0029

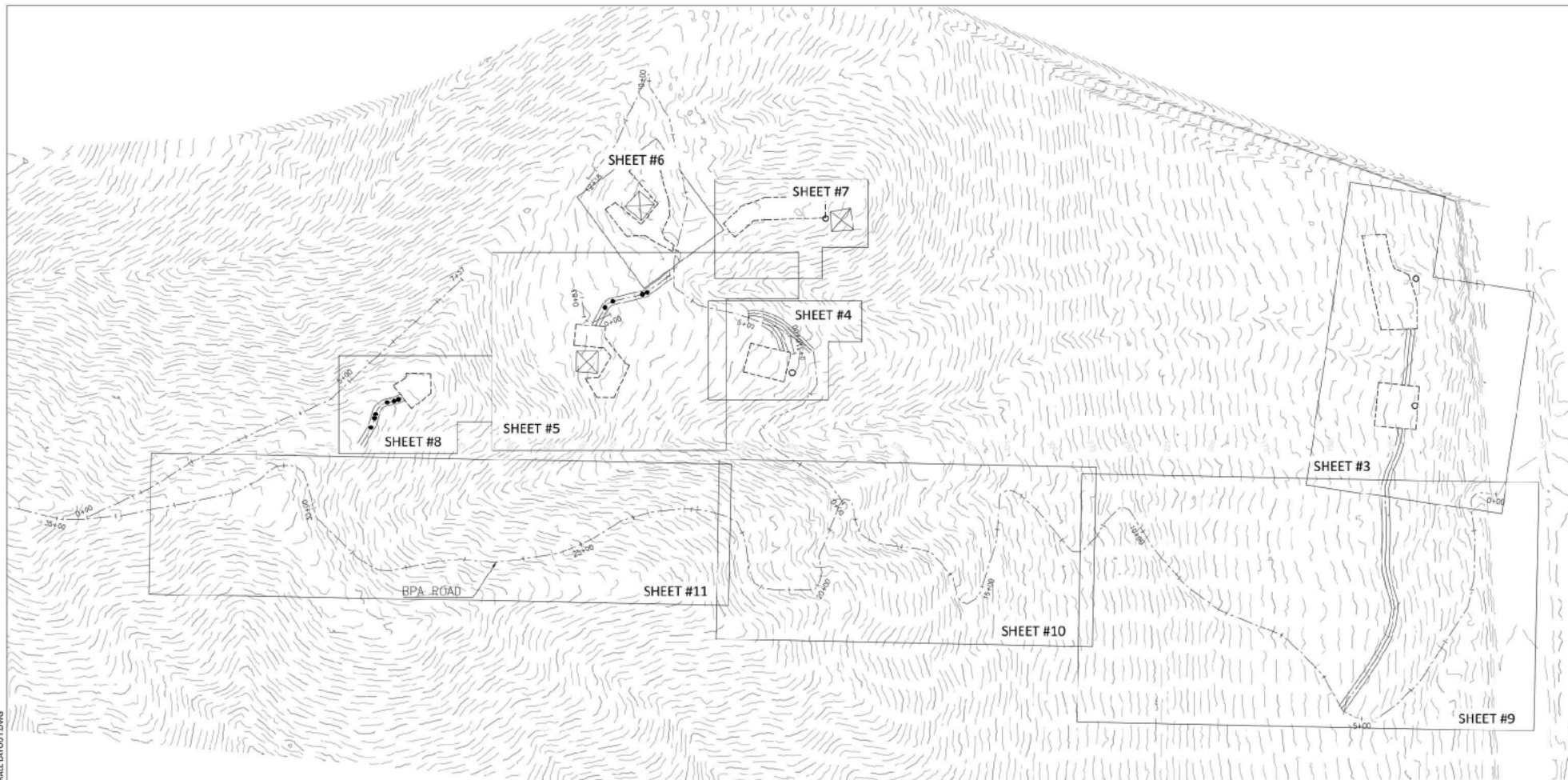


FILE: W:\17925\500 DESIGNS\502 DRAWINGS\502\LEGEND\_PGE.TBWWG

LINETYPES			SYMBOLS		
EXISTING	PROPOSED	DESCRIPTION	EXIST	PROP	DESCRIPTION
REFERENCE LINETYPES			WATER		
		BOUNDARY			FIRE HYDRANT
		PROPERTY LINES			RESIDENTIAL WATER METER
		RIGHT OF WAY			COMMERCIAL WATER METER
		CENTER LINE			BACKFLOW PREVENTION DEVICE
		CENTER LINE STATION TEXT			BLOW-OFF
		TEMPORARY CONSTRUCTION EASEMENT			WATER VALVE
		PUBLIC SLOPE AND UTILITY EASEMENT			THRUST BLOCK
		EASEMENT			CROSS
		SLOPE EASEMENT			TEE
FEATURE LINETYPES					REDUCER
		CURB			WATER STUB
		CURB & GUTTER			WELL
		SIDEWALK			FIRE DEPT. CONNECTION
		PAVED ROAD			HOSE BIB
		EDGE OF GRAVEL	STORM SEWER		
		GARBAGE FENCE			STORM MANHOLE
		WOOD FENCE			STORM DRYWELL
		CHAINLINK FENCE			STORM CLEANOUT
		MISC FENCE			CATCH BASIN
		TRELLIS			CURB INLET
		RAILROAD			COMBINATION CURB INLET
		RETAINING WALL			SLANTED STORM DITCH INLET
		CLEARING AND GRUBBING			AREA DRAIN
		SAWCUT LINE			STORM CULVERT (OUTLET)
		FLOWLINE			ROOF DRAIN
		SETBACK LINE			STORM STUB
		DELINEATED WETLAND BOUNDARY			INFILTRATION TRENCH
		ORDINARY HIGH WATER LINE	SANITARY SEWER		
UTILITIES					SANITARY MANHOLE
		FIRE SUPPRESSION LINE			SANITARY CLEANOUT
		WATER LINE			SANITARY STUB
		WATER SERVICE LINE	IRRIGATION		
		SANITARY SEWER MAIN			IRRIGATION CONTROL VALVE
		SANITARY SEWER LATERAL			SPRINKLER HEAD
		PRESSURE SEWER			SPRINKLER VALVE
		STORM SEWER MAIN			SPRINKLER CONTROL VALVE
		STORM SEWER LATERAL			SPRINKLER MANIFOLD
		IRRIGATION LINE			FOUNTAIN
		ELECTRIC (OH)	ABBREVIATIONS		
		ELECTRIC (UG)	A	AND	
		TELEPHONE	CL	CENTERLINE	
		CABLE TV	PL	PROPERTY LINE	
		COMMUNICATIONS	%	PERCENT	
		FIBER OPTIC CONDUIT	#	NUMBER	
		TRAFFIC SIGNAL CONDUIT	AC	ASPHALTIC	
		STREET LIGHT CIRCUIT/CONDUIT	AD	AREA DRAIN	
			ALT	ALTERNATE	
			APFX	APPROXIMATELY	
			ARY	AIR RELEASE VALVE	
			ASBY	ASSEMBLY	
			BOC	BACK OF CURB	
			BUD	BUILDING	
			BO	BLOW OFF	
			BVC	BEGIN VERTICAL CURVE	
			BW	FINISH GRADE AT BOTTOM OF WALL	
			CB	CATCH BASIN	
			CF	CUBIC FEET	
			CI	CURB INLET	
			OMP	CONCRETE	
			CMU	CONCRETE	
			CO	CONCRETE	
			CONC	CONCRETE	
			CONIT	CONSTRUCTION	
			CONF	CONFINED	
			CR	CURB RETURN	
			CROWN	CRUSHED	
			OSTC	CRUSHED	
			CSBC	CRUSHED	
			CY	CUBIC YARDS	
			DCVA	DOUBLE CHECK VALVE ASSEMBLY	
			DDCA	DOUBLE CHECK DETECTOR	
			DET	DET	
			DI	DITCH INLET	
			DIA	DIMENSION	
			DIP	DUCTILE IRON PIPE	
			DW	DRY WELL	
			D/W	DRIVEWAY	
			E	EAST	
			EA	EACH	
			EG	EXISTING GRADE	
			EL	ELEV ELEVATION	
			EP	EDGE OF	
			EQ	EQUAL	
			ER	END OF RETURN	
			ESMT	EASEMENT	
			EV	EVALUATION	
			GV	GATE VALVE	
			GA	GAUGE	
			GALV	GALVANIZED	
			NO	NOT TO SCALE	
			NTS	NOT TO SCALE	
			HB	HOSE BIB	
			HORIZ	HORIZONTAL	
			END	END	
			EXIST	EXISTING	
			FF	FIRE DEPARTMENT CONNECTION	
			FG	FINISH GRADE	
			FL	FINISH FLOOR	
			FLG	FLANGE	
			FO	FACE OF CURB	
			FOC	FACE OF CURB	
			FM	FORCE MAIN	
			FT	FOOT OR FEET	
			GA	GAUGE	
			GALV	GALVANIZED	
			GV	GATE VALVE	
			HB	HOSE BIB	
			HORIZ	HORIZONTAL	
			END	END	
			EXIST	EXISTING	
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			END	END	
			EXIST	EXISTING	
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			EXIST	EXISTING	
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			HB	HOSE BIB	
			HORIZ	HORIZONTAL	
			END	END	
			EXIST	EXISTING	
			FF	FIRE DEPARTMENT CONNECTION	
			FG	FINISH GRADE	
			FL	FINISH FLOOR	
			FLG	FLANGE	
			FO	FACE OF CURB	
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			GA	GAUGE	
			GALV	GALVANIZED	
			GV	GATE VALVE	
			HB	HOSE BIB	
			HORIZ	HORIZONTAL	
			END	END	
			EXIST	EXISTING	
			FF	FIRE DEPARTMENT CONNECTION	
			FG	FINISH GRADE	
			FL	FINISH FLOOR	
			FLG	FLANGE	
			FO	FACE OF CURB	
			FOC	FACE OF CURB	
			FM	FORCE MAIN	
			FT	FOOT OR FEET	
			GA	GAUGE	
			GALV	GALVANIZED	
			GV	GATE VALVE	
			HB	HOSE BIB	
			HORIZ	HORIZONTAL	
			END	END	
			EXIST	EXISTING	



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0 50 100  
SCALE: 1" = 80'

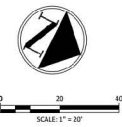
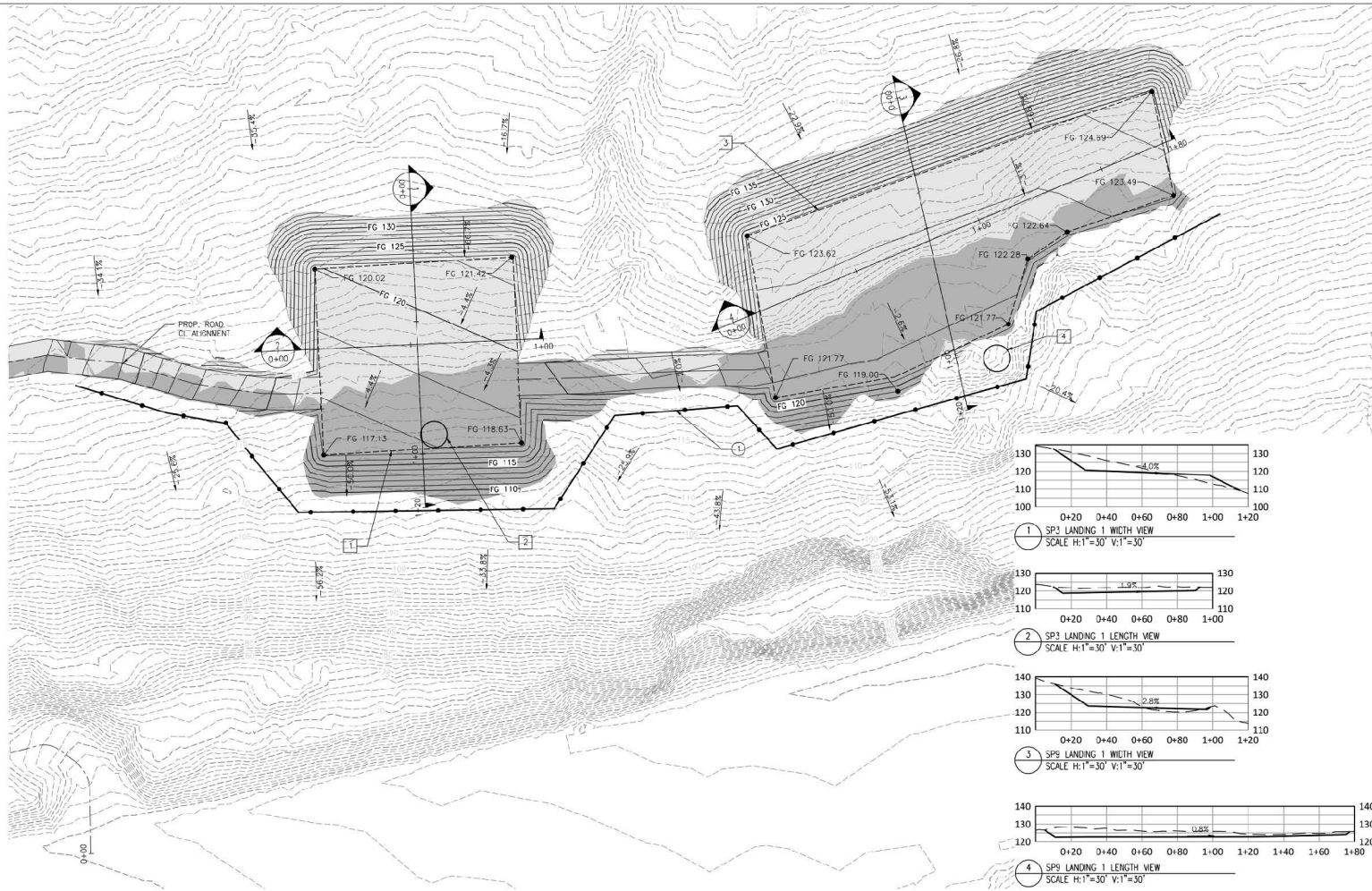
MacKay Sposito  
ENERGY PUBLIC WORKS LAND DEVELOPMENT  
www.mackaysposito.com



REVISIONS	DATE	BY	DESCRIPTION
1	2023.11.30	JMKF	AS SHOWN
2			
3			
4			
5			
6			
7			
8			
9			
10			

PGE CONSTRUCTION DRAWING			
90% CONCEPT DESIGN			
General Foreman:		Date:	
(Signature only required for field construction changes)			
CONST. PROJECT MGR:		PHONE:	
2023.11.30		17925	
TITLE: HARBORTON ACCESS ROADS			
SUBJECT: HARBORTON 230 KV TIE-IN			
LOCATION: PORTLAND			
DESCRIPTION: OVERALL LAYOUT			
SHEET: 2 of 12		WORK WITH: SEC 14434, T2N, R1W	
JMKF		JMKF	
© PORTLAND GENERAL ELECTRIC CO. ALL RIGHTS RESERVED			

FILE: W:\17925\500 DESIGN\1502 DRAWINGS\1502 SHEETS\SP3 SITE PLAN.DWG

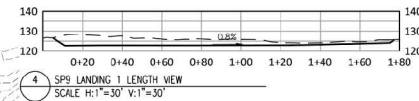
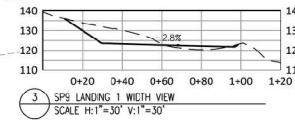
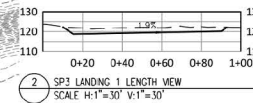
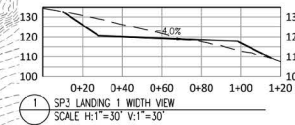


#### EROSION CONTROL KEYNOTES

1. INSTALL TEMPORARY SEDIMENT FENCE PER DETAIL 4.3-A ON SHEET 12
2. INSTALL TREE PROTECTION FENCE. SEE DETAIL ON SHEET 12

#### CONSTRUCTION KEYNOTES

1. CONSTRUCT SP3 LANDING
2. SP3 NEW POLE LOCATION
3. CONSTRUCT SP9 LANDING
4. SP9 NEW POLE LOCATION



#### GENERAL NOTES

1. ELEVATIONS, LANDING DESIGN AND CUT/FILL QUANTITIES ARE BASED ON PGE LIDAR, NAD83 DATUM.
2. EXISTING UTILITIES AND SITE FEATURES SHOWN ON THESE PLANS ARE BASED ON GIS DATA.
3. THE CONTRACTOR SHALL REESTABLISH ANY SURVEY MONUMENTS DAMAGED OR DESTROYED DURING CONSTRUCTION. SURVEY MONUMENTS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
4. HYDROSEED ALL DISTURBED SOILS.
5. REFER TO ACCESS ROAD PHOTOMAPS FOR ACCESS ROAD IMPROVEMENT/CONSTRUCTION INFORMATION.
6. STRUCTURAL ENGINEERING FOR STRUCTURE IN FILL WORK AREA TO BE PERFORMED BY OTHERS.

DIRT BALANCE (IN CUBIC YARDS)		
ITEM	CUT	FILL
LOWER GRADING	2473	591
SHRINK / SWELL (20%)	+95	118
TOTAL	2368	709
NFT	2258	

CUT/FILL LEGEND:	
	CUT
	FILL

#### GRADING NOTES:

1. ALL STRIPPING, GRUBBING, GRADING, AND COMPACTION ARE TO BE DONE IN ACCORDANCE WITH THE SOIL ENGINEER'S REQUIREMENTS. THE CONTRACTOR IS ADVISED TO DIG TEST HOLES OR USE WHATEVER METHOD HE DEEMS NECESSARY TO DETERMINE EARTHWORK QUANTITIES.
2. THE CONTRACTOR SHALL VERIFY THE EXACT STRIPPING DEPTHS AND LOCATIONS WITH THE SOIL ENGINEER, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE THIS WITH THE SOIL ENGINEER. MACKAY SPOSITO, INC., DOES NOT HAVE THE RESPONSIBILITY FOR DETERMINING THE ADEQUACY OF THE STRIPPING OPERATION.
3. THE EARTHWORK QUANTITY SHOWN ON THE GRADING PLAN IS AN ESTIMATED QUANTITY AND IS USED AS A BASIS OF BIDS. THE CUT AND FILL QUANTITY SHOWN IS CALCULATED BASED ON THE EXISTING CONDITIONS CONTOURS AND THE PROPOSED FINISH GRADE CONTOURS. THE DIRT MOVED IN THE FIELD MAY OR MAY NOT CORRESPOND TO THIS CALCULATED AMOUNT DEPENDING ON SUCH VARIABLES AS COMPACTION, SHRINKAGE, CONTRACTOR'S METHOD OF OPERATION, AND ACCURACY OF THE EARTHWORK TAKEOFF. THE CONTRACTOR IS ADVISED TO MAKE HIS OWN TAKEOFF OF EARTHWORK QUANTITIES AND DETERMINE HIS OWN QUANTITIES FOR BIDDING. WITH THE SIGNED OF THE CONTRACT FOR THE CONSTRUCTION OF THESE IMPROVEMENTS, THE CONTRACTOR AGREES THAT THE EARTHWORK QUANTITY IS SATISFACTORY AND THAT THERE WILL BE NO ADDITIONAL CHARGE FOR THIS ITEM.
4. IF ANY ARCHAEOLOGICAL DEPOSITS ARE FOUND DURING CONSTRUCTION, WORK SHALL STOP THE OREGON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION SHALL BE NOTIFIED.

**Mackay Sposito**

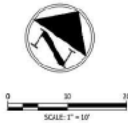
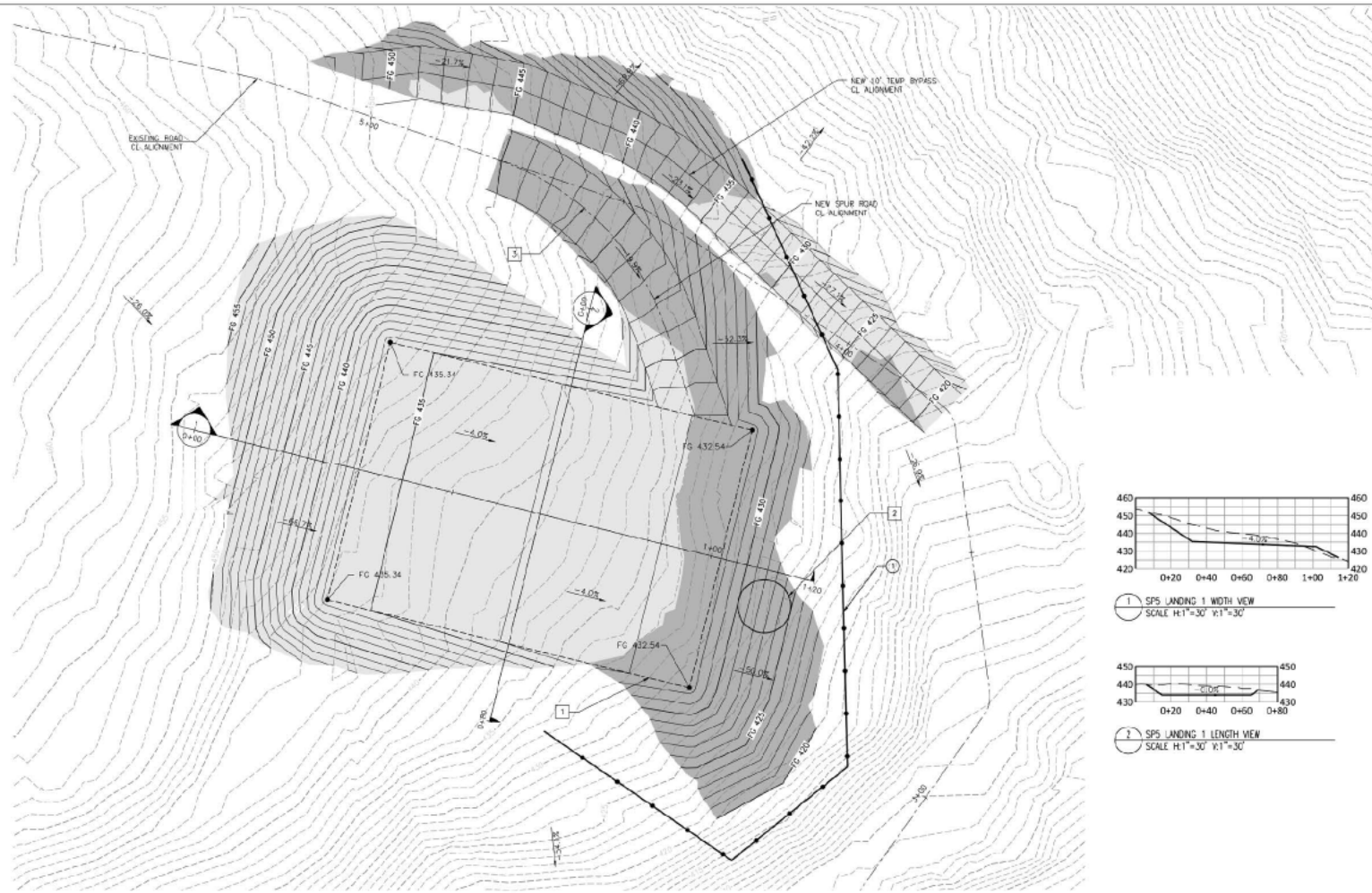
ENERGY PUBLIC WORKS LAND DEVELOPMENT  
www.mackaysposito.com



REVISIONS:	
1	ISSUED FOR BIDDING
2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR AS-BUILT
4	ISSUED FOR FINAL

PGE CONSTRUCTION DRAWING			
90% CONCEPT DESIGN			
General Foreman:		Date:	
CONST. PROJECT MGR		(Signature only required for field construction changes.)	
DATE: 2023.11.30	TIME: 10:00 AM	PHONE: 503.255.1795	WORK WITH: 11X17
PROJECT: HARBORTON ACCESS ROADS			
LOCATION: HARBORTON 230 KV TIE-IN			
DESCRIPTION: PORTLAND			
LOWER ROAD SITE PLAN			
COUNTY: MULTNOMAH	SECTION: SEC 14434, T2N, R1W	WORK WITH: 11X17	SHEET: 3 of 12
DESIGNED BY: JMKF	DRAWN BY: JMKF	© PORTLAND GENERAL ELECTRIC CO. - ALL RIGHTS RESERVED	



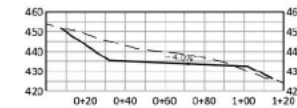


#### EROSION CONTROL KEYNOTES

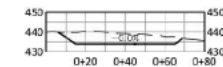
1. INSTALL TEMPORARY SEDIMENT FENCE PER DETAIL 4.3-A ON SHEET 12
2. INSTALL TREE PROTECTION FENCE, SEE DETAIL ON SHEET 12

#### CONSTRUCTION KEYNOTES

1. CONSTRUCT SPS LANDING
2. SPS NEW POLE LOCATION
3. TEMP. ABANDON MAIN ROAD DURING CONSTRUCTION TO BUILD LANDING ENTRANCE



1. SPS LANDING 1 WIDTH VIEW  
SCALE: H1"=30' V1"=30'



2. SPS LANDING 1 LENGTH VIEW  
SCALE: H1"=30' V1"=30'

#### GENERAL NOTES

1. LOCATION, LANDING DESIGN AND CUT/FILL QUANTITIES ARE BASED ON PG&E LIBRARY, NAD83 DATUM.
2. EXISTING UTILITIES AND SITE FEATURES SHOWN ON THESE PLANS ARE BASED ON GIS DATA.
3. THE CONTRACTOR SHALL REESTABLISH ANY SURVEY MONUMENTS DAMAGED OR DESTROYED DURING CONSTRUCTION. SURVEY MONUMENTS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
4. HYDROSEED ALL DISTURBED SOILS.
5. REFER TO ACCESS ROAD PHOTOGRAPHS FOR ACCESS ROAD IMPROVEMENT/CONSTRUCTION INFORMATION.

DIRT BALANCE (IN CUBIC YARDS)		
ITEM	CUT	FILL
LANDING 1	1146	141
BYPASS	16	31
SHRINK / SWELL (20%)	229	28
TOTAL	1393	200
NET	1193	

CUT/FILL LEGEND	
CUT	
FILL	

#### GRADING NOTES:

1. ALL STRIPPING, GRUBBING, GRADING, AND COMPACTION ARE TO BE DONE IN ACCORDANCE WITH THE SOIL ENGINEER'S REQUIREMENTS. THE CONTRACTOR IS ADVISED TO DIG TEST HOLES OR USE WHATEVER METHOD HE DEEMS NECESSARY TO DETERMINE EARTHWORK QUANTITIES.
2. THE CONTRACTOR SHALL VERIFY THE EXACT STRIPPING DEPTHS AND LOCATIONS WITH THE SOIL ENGINEER, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE THIS WITH THE SOIL ENGINEER, MACKEY SPOSITO, INC., DOES NOT HAVE THE RESPONSIBILITY FOR DETERMINING THE ADEQUACY OF THE STRIPPING OPERATION.
3. THE EARTHWORK QUANTITY SHOWN ON THE GRADING PLAN AND THE PROPOSAL IS AN ESTIMATED QUANTITY AND IS USED AS A BASIS OF BIDS. THE CUT AND FILL QUANTITY SHOWN IS CALCULATED BASED ON THE EXISTING CONDITIONS CONTOURS AND THE PROPOSED FINISH GRADE CONTOURS. THE DIRT MOVED IN THE FIELD MAY OR MAY NOT CORRESPOND TO THIS CALCULATED AMOUNT DEPENDING ON SUCH VARIABLES AS COMPACTION, SHRINKAGE, CONTRACTOR'S METHOD OF OPERATION, AND ACCURACY OF THE EARTHWORK TAKEOFF. THE CONTRACTOR IS ADVISED TO MAKE HIS OWN TAKEOFF OF EARTHWORK QUANTITIES AND DETERMINE HIS OWN QUANTITIES FOR BIDDING. WITH THE SIGNED OF THE CONTRACT FOR THE CONSTRUCTION OF THESE IMPROVEMENTS, THE CONTRACTOR AGREES THAT THE EARTHWORK QUANTITY IS SATISFACTORY AND THAT THERE WILL BE NO ADDITIONAL CHARGE FOR THIS ITEM.
4. IF ANY ARCHAEOLOGICAL DEPOSITS ARE FOUND DURING CONSTRUCTION, WORK SHALL STOP THE OREGON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION SHALL BE NOTIFIED.

**MacKay Sposito**

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PG&E CONSTRUCTION DRAWING	
90% CONCEPT DESIGN	
General Foreman: _____ Date: _____	
CONST. PROJECT MGR: _____ (Signature only required for field construction changes.)	
DATE: 2023.11.30 TIME: 10:00 AM PROJECT: HARBORTON 230 KV TIE IN SHEET: 11X17	
TITLE: HARBORTON ACCESS ROADS	
LOCATION: HARBORTON 230 KV TIE IN	
PORTLAND	
DESCRIPTION: SPS SITE PLAN	
DRAWN BY: JMKF CHECKED BY: JMKF	
SEC 14434, T2N, R1W	
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DATE	TIME	PROJECT	SHEET
2023.11.30	10:00 AM	HARBORTON 230 KV TIE IN	4 of 12

DIRT BALANCE (IN CUBIC YARDS)		
ITEM	CUT	FILL
LANDING 1	310	865
SHRINK / SWELL (20%)	52	173
TOTAL	372	1038
NET		666

## CUT/FILL LEGEND:



## GRADING NOTES:

1. ALL STRIPPING, GRUBBING, GRADING, AND COMPACTION ARE TO BE DONE IN ACCORDANCE WITH THE SOIL ENGINEER'S REQUIREMENTS. THE CONTRACTOR IS ADVISED TO DIG TEST HOLES OR USE WHATEVER METHOD HE DEEMS NECESSARY TO DETERMINE EARTHWORK QUANTITIES.
2. THE CONTRACTOR SHALL VERIFY THE EXACT STRIPPING DEPTHS AND LOCATIONS WITH THE SOIL ENGINEER, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE THIS WITH THE SOIL ENGINEER. MACKEY SPOSITO, INC., DOES NOT HAVE THE RESPONSIBILITY FOR DETERMINING THE ADEQUACY OF THE STRIPPING OPERATION.
3. THE EARTHWORK QUANTITY SHOWN ON THE GRADING PLAN IS AN ESTIMATED QUANTITY AND IS USED AS A BASIS OF BIDS. THE CUT AND FILL QUANTITY SHOWN IS CALCULATED BASED ON THE EXISTING CONDITIONS CONTOURS AND THE PROPOSED FINISH GRADE CONTOURS. THE DIRT MOVED IN THIS FIELD MAY OR MAY NOT CORRESPOND TO THIS CALCULATED AMOUNT DEPENDING ON SUCH VARIABLES AS COMPACTION, SHRINKAGE, CONTRACTOR'S METHOD OF OPERATION, AND ACCURACY OF THE EARTHWORK TAKEOFF. THE CONTRACTOR IS ADVISED TO MAKE HIS OWN TAKEOFF OF EARTHWORK QUANTITIES AND DETERMINE HIS OWN QUANTITIES FOR BIDDING. WITH THE SIGNED OF THE CONTRACT FOR THE CONSTRUCTION OF THESE IMPROVEMENTS, THE CONTRACTOR AGREES THAT THE EARTHWORK QUANTITY IS SATISFACTORY AND THAT THERE WILL BE NO ADDITIONAL CHARGE FOR THIS ITEM.
4. IF ANY ARCHAEOLOGICAL DEPOSITS ARE FOUND DURING CONSTRUCTION, WORK SHALL STOP THE OREGON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION SHALL BE NOTIFIED.



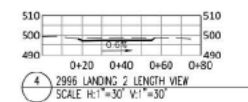
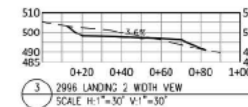
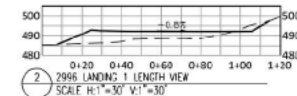
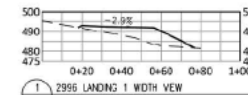
0 30 60  
SCALE: 1" = 30'

## EROSION CONTROL KEYNOTES:

1. INSTALL TEMPORARY SEDIMENT FENCE PER DETAIL 4.3-A ON SHEET 12
2. INSTALL TREE PROTECTION FENCE. SEE DETAIL ON SHEET 12

## CONSTRUCTION KEYNOTES:

1. CONSTRUCT 2006 LANDING
2. 2006 EXIST. LATTICE LOCATION (TO REMAIN EXIST.)



## GENERAL NOTES:

1. ELEVATIONS, LANDING DESIGN AND CUT/FILL QUANTITIES ARE BASED ON PGE LIDAR, NAD83 DATUM.
2. EXISTING UTILITIES AND SITE FEATURES SHOWN ON THESE PLANS ARE BASED ON GIS DATA.
3. THE CONTRACTOR SHALL REESTABLISH ANY SURVEY MONUMENTS DAMAGED OR DESTROYED DURING CONSTRUCTION. SURVEY MONUMENTS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
4. HYDROSEED ALL DISTURBED SOILS.
5. REFER TO ACCESS ROAD PHOTOGRAPHS FOR ACCESS ROAD IMPROVEMENT/CONSTRUCTION INFORMATION.

**Mackay Sposito**

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REVISIONS	
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PGE CONSTRUCTION DRAWING	
90% CONCEPT DESIGN	
General Foreman: _____ Date: _____	
(Signature only required for field construction changes.)	
CONST. PROJECT MGR: _____	PHONE: _____
DATE: 2023.11.30	TIME: 17:05
SITE: HARBORTON ACCESS ROADS	
PROJECT: HARBORTON 230 KV TIE IN	
PORTLAND	
DESCRIPTION: 2006 SITE PLAN	
COUNTY: MULTNOMAH	SECTION: SEC 14E34, T2N, R1W
DRAWN BY: JMKF	CHECKED BY: JMKF
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DATE: 11/17

SHEET 5 of 12



**CUT/FILL LEGEND**

 CUT

 FILL

GRADING NOTES:

- READING NOTE:**
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND DEPTH OF ANY EARTHWORK QUANTITIES. THE CONTRACTOR IS ADVISED TO DIG TEST HOLES OR USE WHATEVER METHOD HE DEEMS NECESSARY TO DETERMINE EARTHWORK QUANTITIES.
- THE CONTRACTOR SHALL VERIFY THE EXISTING STRIPPING DEPTHS AND LOCATIONS WITH THE SOIL ENGINEER, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE THIS WITH THE SOIL ENGINEER, MADISON SPOSKY, INC., DOES NOT HAVE THE RESPONSIBILITY FOR DETERMINING QUANTITIES OR THE STRIPPING OPERATIONS.
- THE EARTHWORK QUANTITY SHOWN ON THE EXISTING LAYOUT IS THE ESTIMATED QUANTITY AND IS USED AS A BASIS OF BIDS. THE CUT AND FILL QUANTITY SHOWN IS CALCULATED BASED ON THE EXISTING CONDITIONS CONTOURS AND THE PROPOSED FINAL EARTHWORK CONTOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE QUANTITIES AND ADJUSTING THE QUANTITIES TO THE VARIABLES AS COMPACTION, SHRINKAGE, CONTRACTOR'S METHOD OF OPERATION, AND ACCURACY OF THE EARTHWORK TAKEOFF. THE CONTRACTOR IS ADVISED TO MAKE HIS OWN TAKEOFF OF EARTHWORK QUANTITIES AND DETERMINE HIS OWN QUANTITIES FOR BIDDING.
- THE SOIL ENGINEER'S REPORT IS FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITY IS SATISFACTORY AND THAT THERE WILL BE NO ADDITIONAL CHARGE FOR THIS ITEM.
- A ONLY AESTHETIC CONSTRUCTION WORK SHALL STOP THE CREIGN STATE DEPARTMENT OF THE ARCHEOLOGY AND HISTORIC PRESERVATION SHALL BE NOTIFIED.

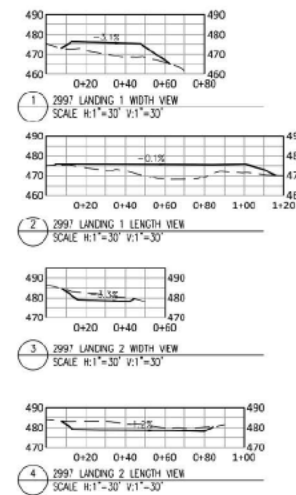


## EROSION CONTROL KEYNOTES

- ① INSTALL TEMPORARY SEDIMENT FENCE PER DETAIL 4.3-A ON SHEET 12  
② INSTALL TREE PROTECTION FENCE. SEE DETAIL ON SHEET 12

## CONSTRUCTION KEYNOTES

- 1 CONSTRUCT 2997 LANDING
- 2 2997 EXIST. LATTICE STRUCTURE (TO REMAIN EXIST.)



## GENERAL NOTES

1. ELEVATIONS, LAYING DESIGN AND CUT/FILL QUANTITIES ARE BASED ON PCE LIDAR, INAD83 DATUM.
2. EXISTING UTILITIES AND SITE FEATURES SHOWN ON THESE PLANS ARE BASED ON GIS DATA.
3. THE CONTRACTOR SHALL REESTABLISH ANY SURVEY MONUMENTS DAMAGED OR DESTROYED DURING CONSTRUCTION. SURVEY MONUMENTS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR AT THE CONTRACTORS EXPENSE.
4. HYDROSEED ALL DISTURBED SOLS.
5. REFER TO ACCESS ROAD PHOTOGRAPHS FOR ACCESS ROAD IMPROVEMENT/CONSTRUCTION INFORMATION.

## PQE CONSTRUCTION DRAWING

90% CONCEPT DESIGN

MacKay &amp; Sposito

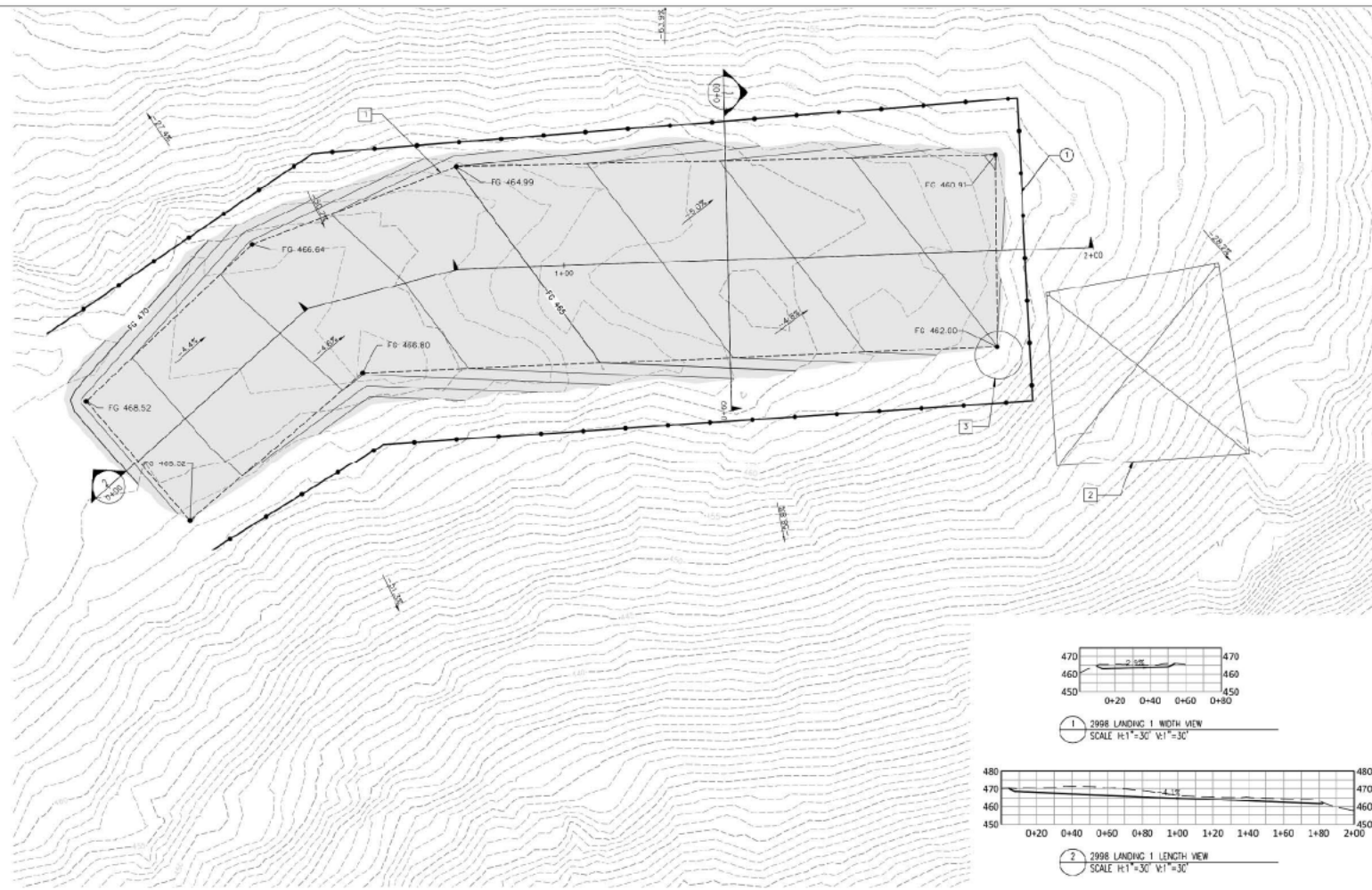
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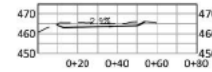
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HARBORTON ACCESS ROADS		HARBORTON		11/1/17	
LOCATION		DESCRIPTION		SHEET	
HARBORTON 230 KV TIE-IN		2907 SITE PLAN		6 of 12	
COUNTY:	SECTION(S)	WORK WITH:	SHEET		
MULTNOMAH	SEC 14E34, T2N, R1W		6 of 12		
DRAWN BY:	DATE:	CHECKED BY:			
JMKF		JMKF			
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**EROSION CONTROL KEYNOTES**

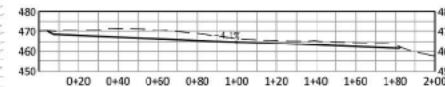
- ① INSTALL TEMPORARY SEDIMENT FENCE PER DETAIL 4.3-A ON SHEET 12
- ② INSTALL TREE PROTECTION FENCE, SEE DETAIL ON SHEET 12

**CONSTRUCTION KEYNOTES**

- ① CONSTRUCT 2998 LANDING
- ② PREFERRED OPTION: 2998 RE-USE EXIST. LATTICE STRUCTURE
- ③ ALTERNATIVE OPTION: 2998 NEW POLE LOCATION



① 2998 LANDING 1 WIDTH VIEW  
SCALE H1"=30' V1"=30'



② 2998 LANDING 1 LENGTH VIEW  
SCALE H1"=30' V1"=30'

**GENERAL NOTES**

1. ELEVATIONS, LANDING DESIGN AND CUT/FILL QUANTITIES ARE BASED ON PGE LIDAR, NAD83 DATUM.
2. EXISTING UTILITIES AND SITE FEATURES SHOWN ON THESE PLANS ARE BASED ON GIS DATA.
3. THE CONTRACTOR SHALL REESTABLISH ANY SURVEY MONUMENTS DAMAGED OR DESTROYED DURING CONSTRUCTION. SURVEY MONUMENTS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
4. HYDROSEED ALL DISTURBED SOILS.
5. REFER TO ACCESS ROAD PHOTOGRAPHS FOR ACCESS ROAD IMPROVEMENT/CONSTRUCTION INFORMATION.

DIRT BALANCE (IN CUBIC YARDS)		
ITEM	CUT	FILL
LANDING 1	694	0
SHRINK / SWELL (20%)	139	0
TOTAL	833	0
NET	833	

**CUT/FILL LEGEND:****GRADING NOTES:**

1. ALL STRIPPING, GRUBBING, GRADING, AND COMPACTION ARE TO BE DONE IN ACCORDANCE WITH THE SOIL ENGINEER'S REQUIREMENTS. THE CONTRACTOR IS ADVISED TO DIG TEST HOLES OR USE WHATEVER METHOD HE DEEMS NECESSARY TO DETERMINE EARTHWORK QUANTITIES.
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3. THE EARTHWORK QUANTITY SHOWN ON THE GRADING PLAN AND THE PROPOSAL IS AN ESTIMATED QUANTITY AND IS USED AS A BASIS OF BID. THE CUT AND FILL QUANTITY SHOWN IS CALCULATED BASED ON THE EXISTING CONDITIONS CONTOURS AND THE PROPOSED FINISH GRADE CONTOURS. THE DIRT MOVED IN THE FIELD MAY OR MAY NOT CORRESPOND TO THIS CALCULATED AMOUNT DEPENDING ON SUCH VARIABLES AS COMPACTION, SHRINKAGE, CONTRACTOR'S METHOD OF OPERATION, AND ACCURACY OF THE EARTHWORK TAKEOFF. THE CONTRACTOR IS ADVISED TO MAKE HIS OWN TAKEOFF OF EARTHWORK QUANTITIES AND DETERMINE HIS OWN QUANTITIES FOR BIDDING. WITH THE SIGNED CONTRACT FOR THE CONSTRUCTION OF THESE IMPROVEMENTS, THE CONTRACTOR AGREES THAT THE EARTHWORK QUANTITY IS SATISFACTORY AND THAT THERE WILL BE NO ADDITIONAL CHARGE FOR THIS ITEM.
4. IF ANY ARCHAEOLOGICAL DEPOSITS ARE FOUND DURING CONSTRUCTION, WORK SHALL STOP. THE OREGON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION SHALL BE NOTIFIED.

**Mackay Sposito**

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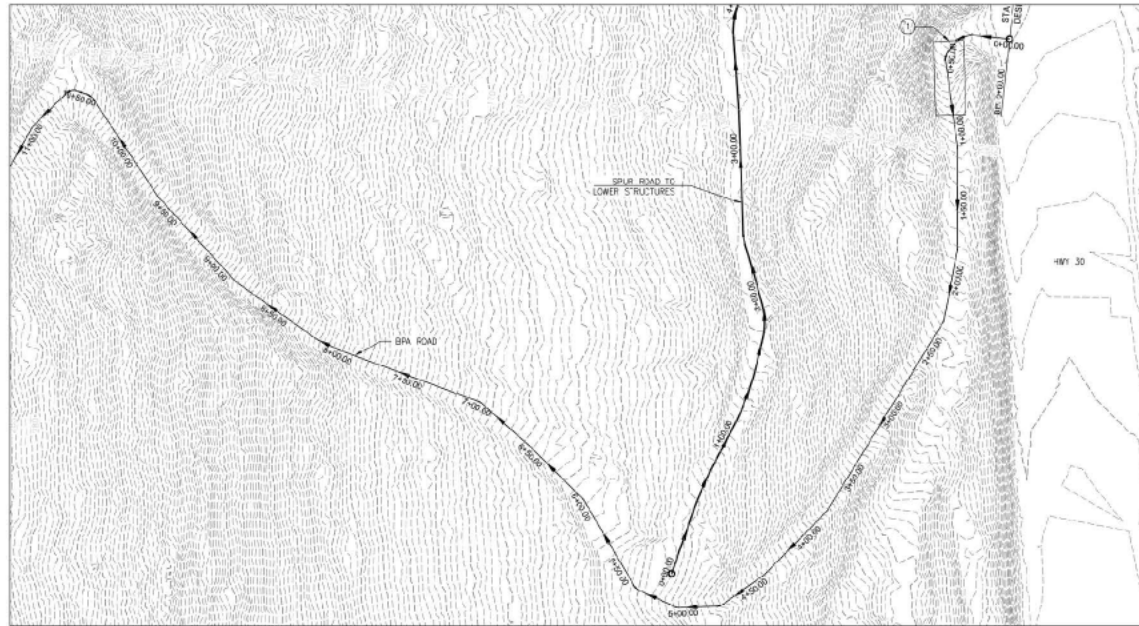
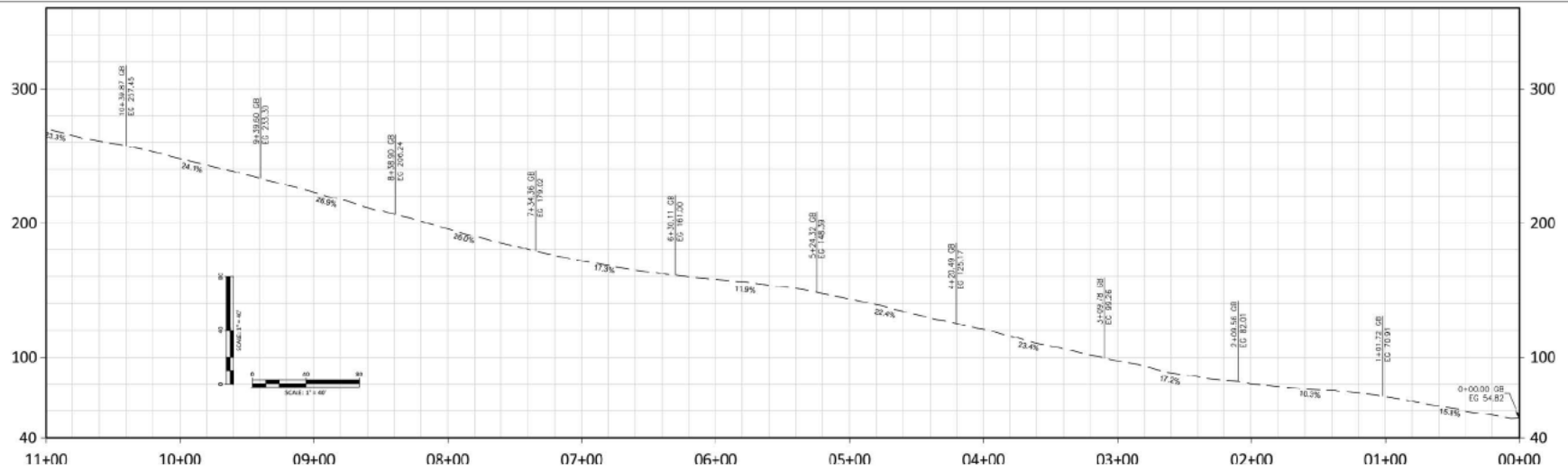
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90% CONCEPT DESIGN			
General Foreman:		Date:	
CONST. PROJECT MGR:		PHONE:	
DATE: 2023.11.30	TIME: 10:00 AM	DATE: 11/30/23	TIME: 11:17 AM
SHEET: 7 OF 12		SHEET: 7 OF 12	
PROJECT: HARBORTON ACCESS ROADS		PROJECT: HARBORTON 230 KV TIE IN	
LOCATION: PORTLAND		LOCATION: PORTLAND	
DESCRIPTION: 2998 SITE PLAN		DESCRIPTION: 2998 SITE PLAN	
CLIENT: MULTNOMAH	SECTION: SEC 14E34, T2N, R1W	WORK WITH: JMKF	SHEET: 7 OF 12
DESIGNED BY: JMKF	CHECKED BY: JMKF	DATE: 11/30/23	DATE: 11/30/23
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FILE: W:\17251500 DESIGN\502 DRAWINGS\502 SHEETS\13 BPA ROAD\_PROFILE\_1.DWG



PRECISION CONTROL KEYNOTES

1. CONSTRUCT 50' X 20' GRAVEL CONSTRUCTION ENTRANCE PER DETAIL 4.2-A SHEET 15

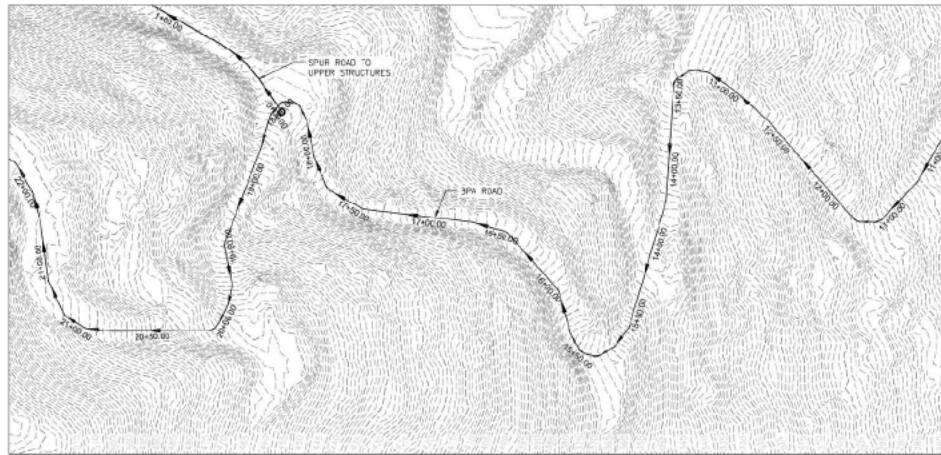
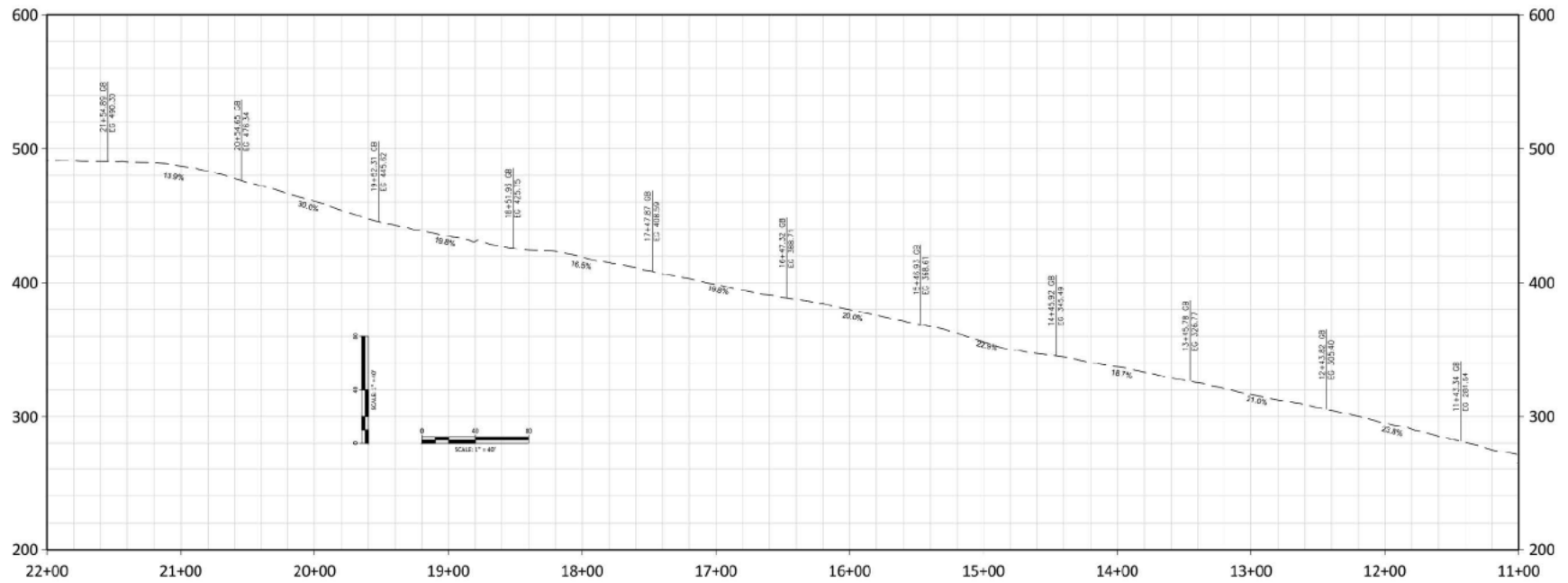
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REVISIONS	DATE	BY	DESCRIPTION
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PGE CONSTRUCTION DRAWING			
90% CONCEPT DESIGN			
General Foreman:		Date:	
(Signature only required for field construction changes)			
CONST. PROJECT MGR:		PHONE:	
2023.11.30		17905	
TITLE:		DATE:	
HARBORTON ACCESS ROADS		11/17	
LOCATION:			
HARBORTON 230 KV TIE IN			
PORTLAND			
DESCRIPTION:			
BPA ROAD PROFILE 1			
COUNTY:		WORK WITH:	
MULTNOMAH		SHEET:	
SEC 14634, T2N, R1W		9 of 12	
DESIGNED BY:		CHECKED BY:	
JMKF		JMKF	
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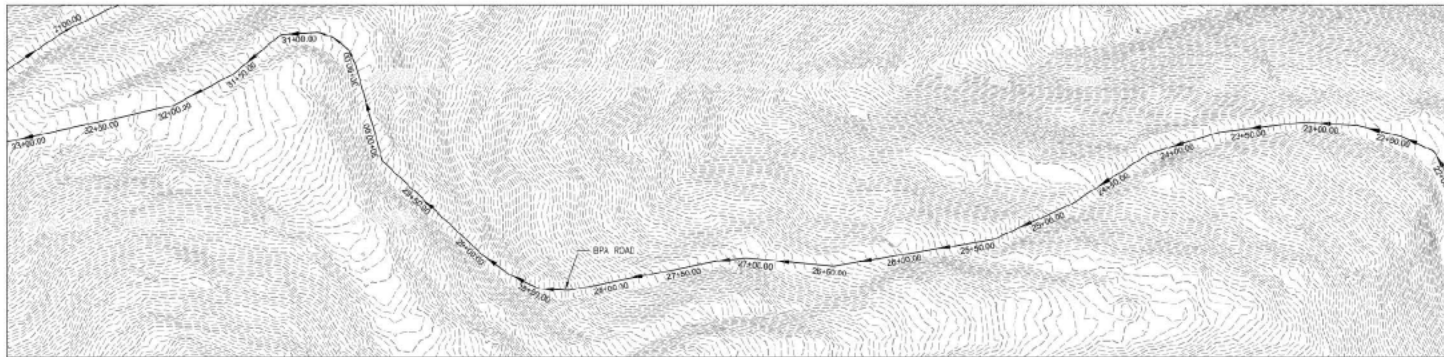
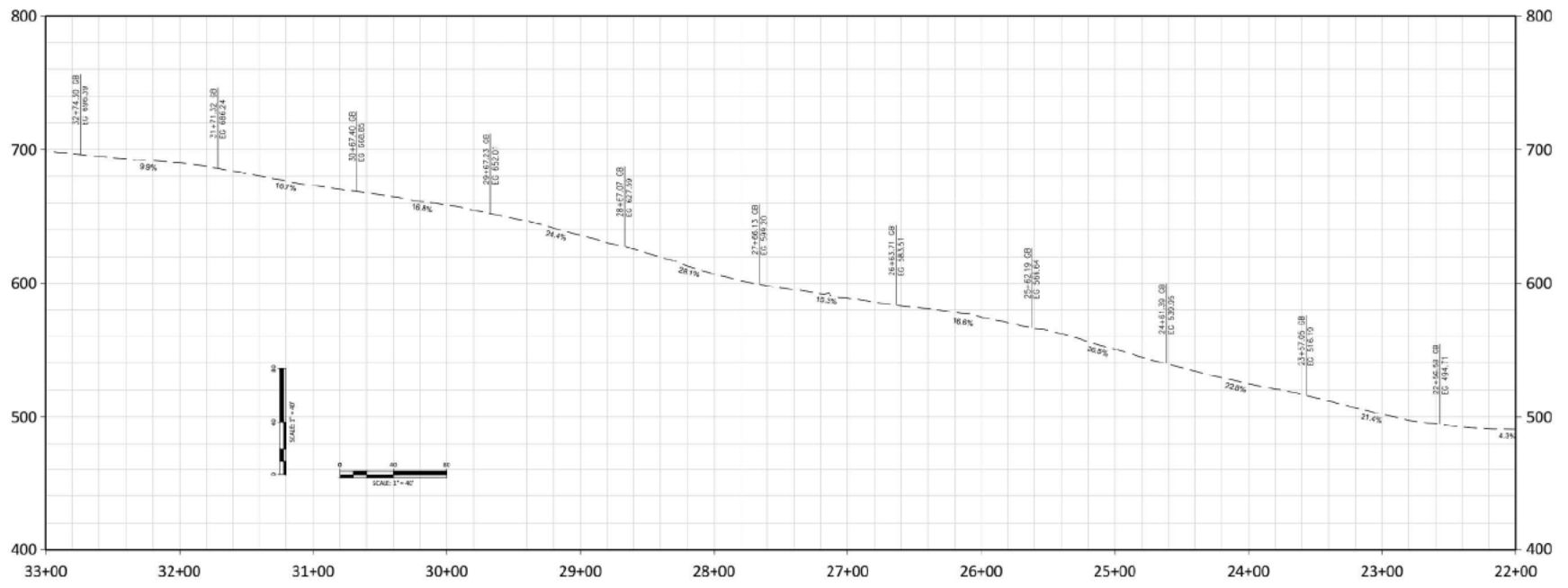
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PGE CONSTRUCTION DRAWING	
90% CONCEPT DESIGN	
General Foreman:	Date:
(Signature only required for field construction changes)	
CONST. PROJECT MGR:	PHONE:
DATE: 2023.11.30	PROJECT: AS SHOWN
TITLE: HARBORTON ACCESS ROADS	SHEET: 11X17
LOCATION: HARBORTON 230 KV TIE-IN	
DESCRIPTION: PORTLAND	
BPA ROAD PROFILE 2	WORK WITH: SHEET: 10-12
COUNTY: MULTNOMAH SEC 14E34, T2N, R1W	
DESIGNED BY: JMKF	DRAWN BY: JMKF
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FILE: W:\17251500 DESIGN\502 DRAWINGS\13 BPA ROAD\_PROFILE\_1.DWG



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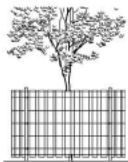


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PGE CONSTRUCTION DRAWING			
90% CONCEPT DESIGN			
General Foreman:		Date:	
(Signature only required for field construction changes.)			
CONST. PROJECT MGR:		PHONE:	
DATE: 2023.11.30	DESIGNED BY: AS SHOWN	REVIEWED BY:	DATE: 11/30/23
SITE: HARBORTON ACCESS ROADS		SHEET: 11x17	
PROJECT: HARBORTON 230 KV TIE IN			
LOCATION: PORTLAND			
DESCRIPTION: BPA ROAD PROFILE 3			
DRAWN BY: MULTNOMAH SEC 14634 T2N R1W			
CHECKED BY: JMKF			
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FILE: W:\1725\500 DESIGN\502 DRAWINGS\SHEET\14 C2.DWG



NOTE:  
PROTECTION SHALL BE LOCATED  
AT THE OUTER PERIMETER OF  
THE CRITICAL ROOT ZONE OR AS  
NOTED ON THE PLAN. INSTALL  
FENCE PER MANUFACTURER'S  
SPECIFICATION.

ORANGE PVC FENCE SECURED TO  
WOODEN OR STEEL POSTS.  
4'-0" HIGH, TYPICAL.

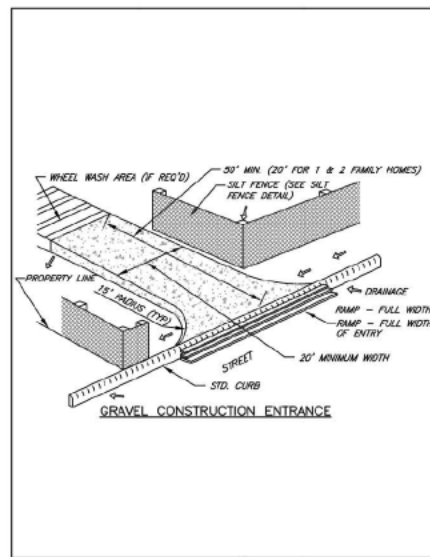
#### TREE PROTECTION TIME LINE AND NARRATIVE

TIME LINE: TREE PROTECTION MUST BE ESTABLISHED PRIOR TO GROUND  
DISURBANCES.

NARRATIVE: TREES TO BE RETAINED SHALL BE PROTECTED IN  
ACCORDANCE WITH TITLE 11.06.030.C. ROOT PROTECTION SHALL BE  
ESTABLISHED AS FOLLOWS: A MINIMUM 1' FOOT BODIES (MEASURED  
HORIZONTALLY AWAY FROM THE FACE OF THE TREE TRUNK) FOR EACH  
INCH OF TREE DIAMETER. PROTECTION FENCING MUST BE 4'-0" ORANGE  
CONSTRUCTION FENCE ESTABLISHED AT THE EDGE OF THE ROOT  
PROTECTION ZONE AND/OR PERMISSIBLE ENCROACHMENT AREA. EROSION  
CONTROL FENCE CANNOT BE TRENCHED WITHIN TREE ROOT PROTECTION  
ZONES.

#### TREE PROTECTION FENCE DETAIL

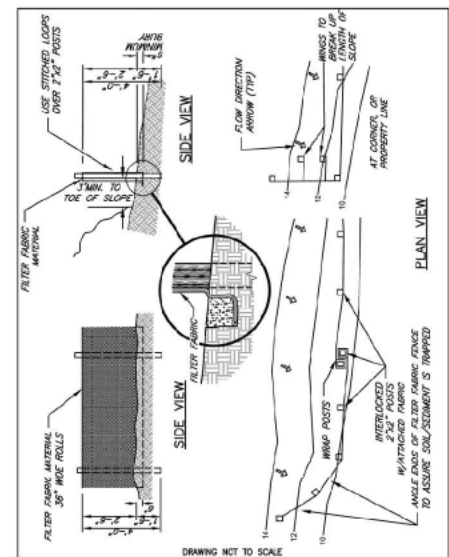
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EROSION CONTROL MANUAL

GRAVEL CONSTRUCTION ENTRANCE  
Detail Drawing 4.2-A

FILE: W:\1725\500 DESIGN\502 DRAWINGS\SHEET\14 C2.DWG



EROSION CONTROL MANUAL

TEMPORARY SEDIMENT FENCE  
Detail Drawing 4.3-A

FILE: W:\1725\500 DESIGN\502 DRAWINGS\SHEET\14 C2.DWG

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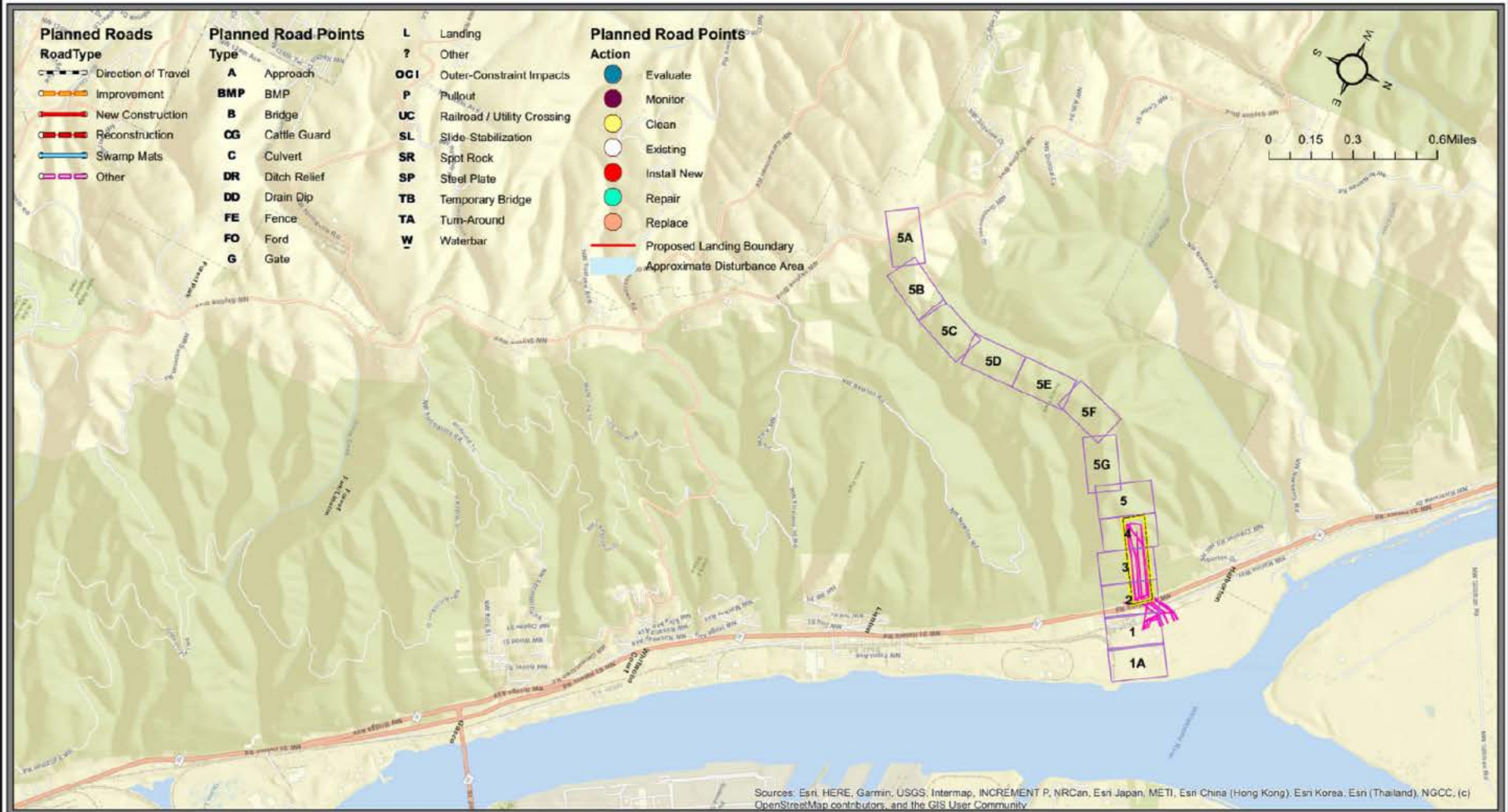
REVISIONS	DATE	BY	DESCRIPTION
1	2023.11.30	AS SHOWN	AS SHOWN

PGE CONSTRUCTION DRAWING	
90% CONCEPT DESIGN	
General Foreman:	Date:
(Signature only required for field construction changes.)	
CONST. PROJECT MGR:	PHONE:
DATE: 2023.11.30	PROJECT: 11117
SITE: HARBORTON ACCESS ROADS	
LOCATION: HARBORTON 230 KV TIE IN	
PORTLAND	
DESCRIPTION: EROSION CONTROL DETAILS	
COUNTY: MULTNOMAH	SECTION: SEC 14E34, T2N, R1W
DESIGNED: JMKF	DRAWN BY: JMKF
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# Harborton 230kV Concept Design

**PRELIMINARY**  
NOT FOR CONSTRUCTION

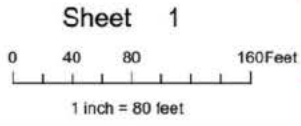


## 90% Concept Design Transportation Plan

Map Production Date: 12/1/2023 1:00:49 PM



Harborton 230kV 90% Concept Design Transportation Plan



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 1 of 13  
Map Production Date: 12/1/2023 1:54:52 PM



# Harborton 230kV 90% Concept Design Transportation Plan



PGE Planned Access Roads  
- - - - - Direction of Travel  
- - - - - Other

Sheet 1A

0 40 80 160 Feet

1 inch = 80 feet

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 2 of 13

Map Production Date: 12/1/2023 1:54:56 PM



# Harborton 230kV 90% Concept Design Transportation Plan



**PGE Planned Access Roads**  
 - Direction of Travel  
 - Improvement (Aggregate @ 45 Tons/100')  
 - Culvert

**DR** Ditch Relief  
**G** Gate  
**L** Landing  
**OCI** Outer-Constraint Impacts  
**SR** Spot Rock

**TA** Turn-Around  
**W** Waterbar  
 - Existing  
 - Install New

- Replace  
 - Proposed Landing Boundary  
 - Approximate Disturbance Area

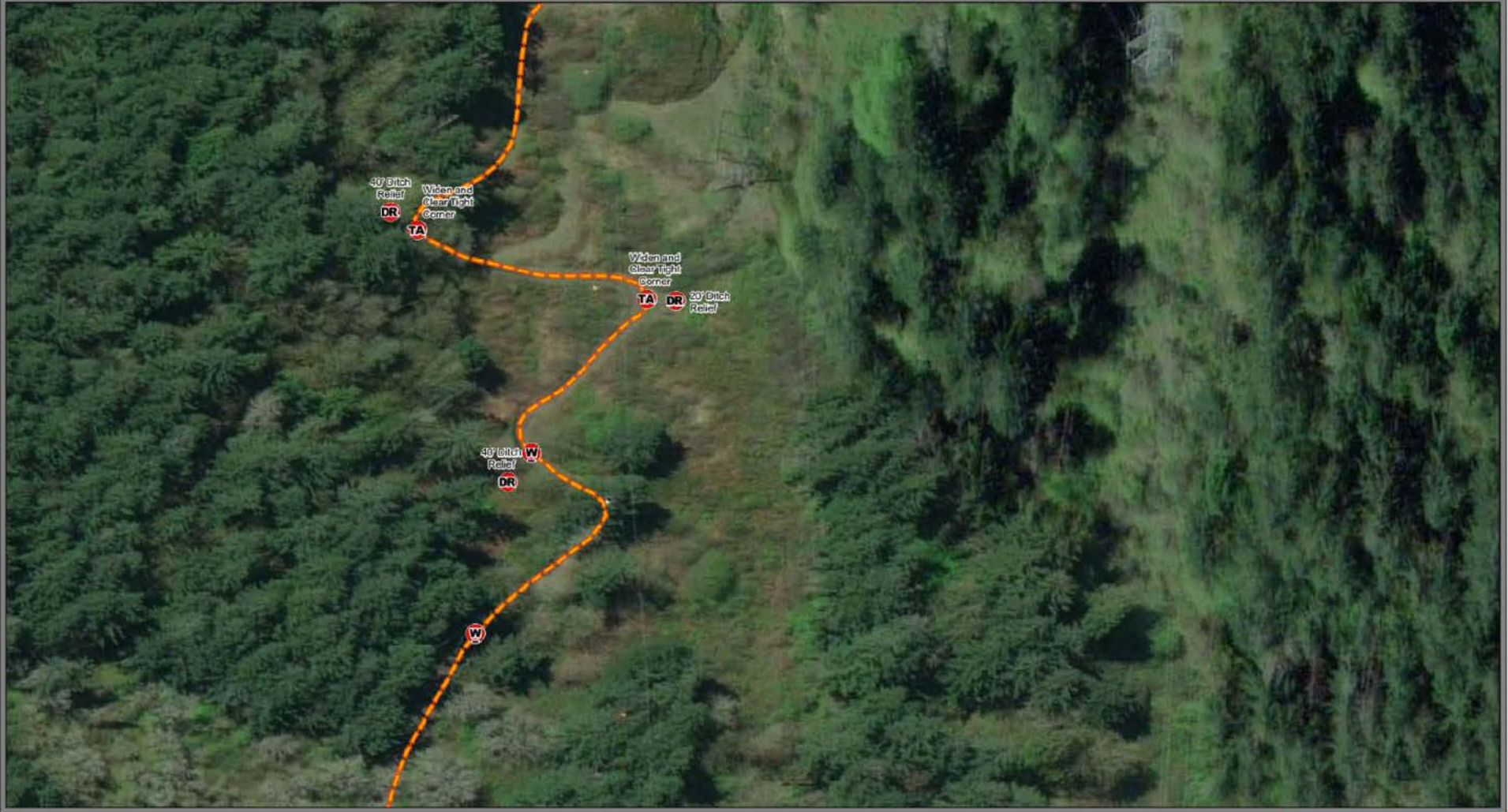
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 0 40 80 160 Feet  
 1 inch = 80 feet

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

Page 3 of 13  
 Map Production Date: 12/1/2023 1:55:04 PM



Harborton 230kV 90% Concept Design Transportation Plan

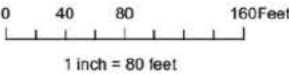


PGE Planned Access Roads  
Improvement  
(Aggregate @ 45  
Tons/100')

**DR** Ditch Relief  
**TA** Turn-Around

**W** Waterbar  
Install New

Sheet 3



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 4 of 13  
Map Production Date: 12/1/2023 1:55:12 PM



# Harborton 230kV 90% Concept Design Transportation Plan



**PGE Planned Access Roads**

- Improvement (Aggregate @ 45 Tons/100')
- New Construction (Aggregate @ 45 Tons/100')

**C** Culvert  
**L** Landing  
**TA** Turn-Around  
**W** Waterbar  
**●** Install New

Proposed Landing Boundary  
 Approximate Disturbance Area

Sheet 4

0 40 80 160 Feet  
 1 inch = 80 feet

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

Page 5 of 13  
 Map Production Date: 12/1/2023 1:55:19 PM



# Harborton 230kV 90% Concept Design Transportation Plan



## PGE Planned Access Roads

Improvement  
(Aggregate @ 45  
Tons/100')

A

L

Approach

Landing

TA

Turn-Around

●

Install New

●

Replace

—

Proposed Landing

Boundary

Approximate  
Disturbance Area

Sheet 5

0 40 80 160 Feet

1 inch = 80 feet

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 6 of 13

Map Production Date: 12/1/2023 1:55:35 PM



Harborton 230kV 90% Concept Design Transportation Plan



**PGE Planned Access Roads**

Improvement (Aggregate @ 45 Tons/100')

**G** Gate

**P** Pullout

Existing

Install New

Approximate Disturbance Area

Sheet 5A

0 40 80 160 Feet

1 inch = 80 feet

**PRELIMINARY**

**NOT FOR CONSTRUCTION**

Page 7 of 13

Map Production Date: 12/1/2023 1:55:43 PM



Harborton 230kV 90% Concept Design Transportation Plan



**PGE Planned Access Roads**  
Improvement  
(Aggregate @ 45  
Tons/100')  
**P** Pullout  
● Install New

Approximate  
Disturbance Area

Sheet 5B

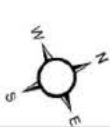
0 40 80 160 Feet  
1 inch = 80 feet

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 8 of 13  
Map Production Date: 12/1/2023 1:55:50 PM



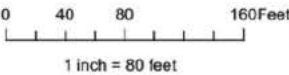
Harborton 230kV 90% Concept Design Transportation Plan



**PGE Planned Access Roads**  
Improvement  
(Aggregate @ 45  
Tons/100')  
Pullout  
Install New

Approximate  
Disturbance Area

Sheet 5C

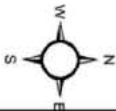


**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 9 of 13  
Map Production Date: 12/1/2023 1:57:37 PM



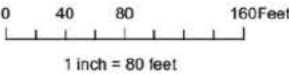
Harborton 230kV 90% Concept Design Transportation Plan



**PGE Planned Access Roads**  
Improvement  
(Aggregate @ 45  
Tons/100')  
**P** Pullout  
**●** Install New

Approximate  
Disturbance Area

Sheet 5D

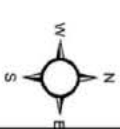


**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 10 of 13  
Map Production Date: 12/1/2023 1:57:51 PM

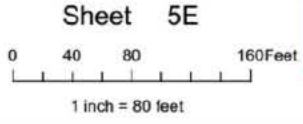


Harborton 230kV 90% Concept Design Transportation Plan



- PGE Planned Access Roads**
- Improvement (Aggregate @ 45 Tons/100')
  - Pullover
  - Install New

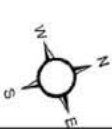
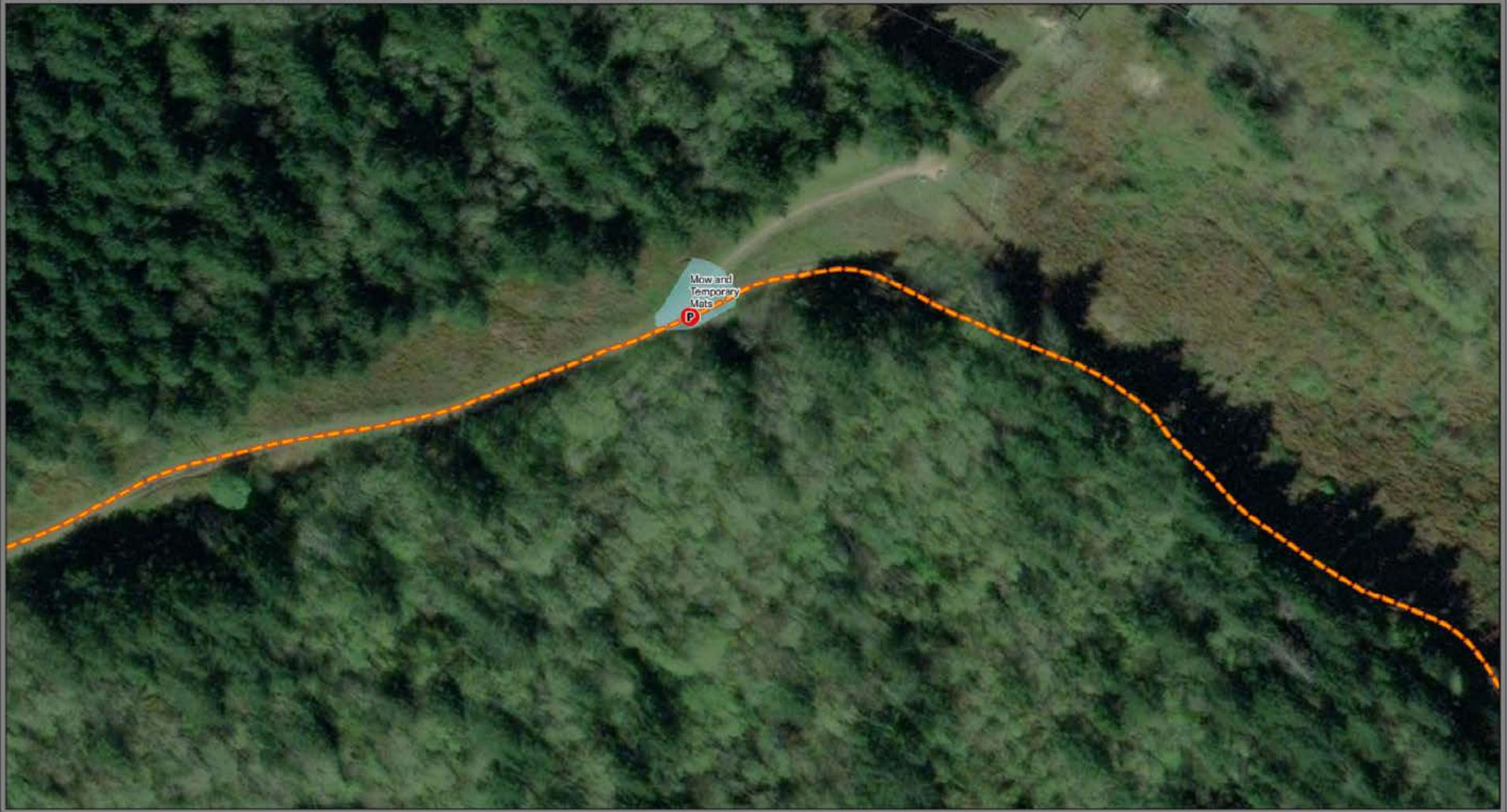
Approximate Disturbance Area



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**



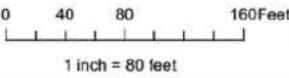
Harborton 230kV 90% Concept Design Transportation Plan



**PGE Planned Access Roads**  
Improvement  
(Aggregate @ 45  
Tons/100')  
**P** Pullout  
Install New

Approximate  
Disturbance Area

Sheet 5F

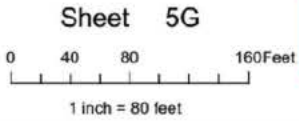


**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

Page 12 of 13  
Map Production Date: 12/1/2023 1:50:20 PM



Harborton 230kV 90% Concept Design Transportation Plan



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

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**From:** Tina Tippin <Tina.Tippin@pgn.com>  
**Sent:** Tuesday, February 6, 2024 9:42 AM  
**To:** Master,Laura M (CONTR) - TERR-3  
**Cc:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** RE: [EXTERNAL] RE: PGE M2863881 new Forest Park 230kV crossing

Thanks Laura 😊

Just a heads up. I do have more crossings to send in for our reconductor of 115kV down coming in from highway 30 and crossing over into our Harborton Substation. However, our project has been delayed a year due to BDS permitting.

---

**From:** Master,Laura M (CONTR) - TERR-3 <Immater@bpa.gov>  
**Sent:** Tuesday, February 6, 2024 9:15 AM  
**To:** Tina Tippin <Tina.Tippin@pgn.com>  
**Cc:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Subject:** RE: [EXTERNAL] RE: PGE M2863881 new Forest Park 230kV crossing

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Hi Tina,

Yes – sorry for the delay in getting back to you.  
They have been assigned #20240113 for Crossing A and 20240114 for Crossing B.

If you need anything else, just ask!  
Thank you,

**Laura Master**

(CONTR) CorSource Technology Group, Inc.  
Realty Technician II | TERR-3

**BONNEVILLE POWER ADMINISTRATION**

[Immater@bpa.gov](mailto:Immater@bpa.gov) | O: 503-230-4375 | C: (b)(6)

[Landowners Guide to Compatible Use of BPA Rights-of-Way \[bpa.gov\]](#)

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Tuesday, February 6, 2024 9:10 AM  
**To:** Master,Laura M (CONTR) - TERR-3 <[Immater@bpa.gov](mailto:Immater@bpa.gov)>  
**Cc:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] RE: PGE M2863881 new Forest Park 230kV crossing

Hi Laura, any chance you have these numbers?

I don't seem to have them.

Thanks, Tina



---

**From:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>  
**Sent:** Wednesday, November 29, 2023 9:43 AM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Cc:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] RE: PGE M2863881 new Forest Park 230kV crossing

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Hi Tina,

Yes, we received them and they are currently being processed.  
I will let you the BPA case file numbers as soon as I have them.

If you have any other questions or need anything else, just ask!  
Thanks!

**Laura Master**

(CONTR) CorSource Technology Group, Inc.  
Realty Technician II | TERR-3

**BONNEVILLE POWER ADMINISTRATION**

[lmaster@bpa.gov](mailto:lmaster@bpa.gov) | O: 503-230-4375 | C: (b)(6)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [bpa.gov]

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**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Wednesday, November 29, 2023 8:04 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>  
**Subject:** RE: [EXTERNAL] RE: PGE M2863881 new Forest Park 230kV crossing

Hi Billie,

I was just checking if you received the updated two new crossing, I sent in on 11/8.

Please let me know since the files were so large.

Thanks,



**Tina Tippin**

Senior Property Specialist, Property Rights Organization  
503-464-7672 | 503-708-4386  
[portlandgeneral.com](http://portlandgeneral.com) | Follow us on social @PortlandGeneral  
An Oregon kind of energy.

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Wednesday, November 8, 2023 1:07 PM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>



**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>  
**Subject:** RE: [EXTERNAL] RE: PGE M2863881 new Forest Park 230kV crossing

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Thanks Tina!

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)  
[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [[bpa.gov](#)]

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**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Tuesday, November 7, 2023 10:10 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>  
**Subject:** [EXTERNAL] RE: PGE M2863881 new Forest Park 230kV crossing

Hi Billie & Laura, please disregard this filing. I attached the wrong application. The one attached shows an existing crossing. My apologies. I'll send an update shortly.

Thanks, Tina

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Tuesday, November 7, 2023 9:47 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmaster@bpa.gov](mailto:lmaster@bpa.gov)>; Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** PGE M2863881 new Forest Park 230kV crossing

Hi Billie,

I hope all is well with you. 😊

I have the application for the new proposed 230kV crossing we've been talking about and which we met with the BPA engineering team on August 29.

Please find the attached documents for review which includes the Plan and Profile drawings for existing conditions on the crossings we have with BPA and our 60% design for the future crossing conditions. Additionally, the excel spreadsheet has all the crossing values exported from PLS-CADD which is supporting documentation on the values within the Plan and Profiles.

Please note that for the Future P&P, our stringing tensions have not yet been finalized.

I also wanted to give you a heads up I have a couple of other applications to prepare which are part of this project but shouldn't be on BPA fee owned property. I should be submitting them shortly but this one is key.

Let me know if you have any questions.

**Tina Tippin**, Sr Property Specialist, Property Rights Organization 503-464-7672 | (b)(6) (c)

---

**From:** Master,Laura M (CONTR) - TERR-3  
**Sent:** Wednesday, February 7, 2024 9:26 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** 20240114 LURR ready for your review and signature

Hey Billie,

The LURR for the 2<sup>nd</sup> PGE crossing (Crossing B) is ready for your review and signature.  
It can be found here: [20240114LURR.pdf](#)

Let me know if you have any questions.  
Thanks!

**Laura Master**

(CONTR) CorSource Technology Group, Inc.  
Realty Technician II | TERR-3

**BONNEVILLE POWER ADMINISTRATION**

[Immaster@bpa.gov](mailto:Immaster@bpa.gov) | O: 503-230-4375 | C: (b)(6)  
[Landowners Guide to Compatible Use of BPA Rights-of-Way](#)

---

**From:** Master,Laura M (CONTR) - TERR-3  
**Sent:** Monday, February 12, 2024 8:39 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** RE: 20240113 LURR packet ready for your review

Hey Billie,

When you get a chance, this LURR is ready for your review and signature. (I think the original email got buried under all of Zach's emails.)

Thanks!

**Laura Master**

(CONTR) CorSource Technology Group, Inc.  
Realty Technician II | TERR-3

**BONNEVILLE POWER ADMINISTRATION**

[Immaster@bpa.gov](mailto:Immaster@bpa.gov) | O: 503-230-4375 | C: (b)(6)  
[Landowners Guide to Compatible Use of BPA Rights-of-Way](#)

---

**From:** Master,Laura M (CONTR) - TERR-3  
**Sent:** Tuesday, February 6, 2024 4:47 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** 20240113 LURR packet ready for your review

Hi Billie,

LURR packet 20240113 for PGE's new transmission line Crossing (crossing A) with a new tower to be placed on BPA's fee ROW is now ready for your review and signature.  
The LURR packet can be found here: [20240113LURR.pdf](#)

Let me know if you have any questions.  
Thanks,

**Laura Master**

(CONTR) CorSource Technology Group, Inc.  
Realty Technician II | TERR-3

**BONNEVILLE POWER ADMINISTRATION**

[Immaster@bpa.gov](mailto:Immaster@bpa.gov) | O: 503-230-4375 | C: (b)(6)  
[Landowners Guide to Compatible Use of BPA Rights-of-Way](#)



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**From:** Master,Laura M (CONTR) - TERR-3  
**Sent:** Monday, February 12, 2024 4:54 PM  
**To:** Dalrymple,Troy E (BPA) - TFVK-ROSS MHQA; Anderson,Troy (BPA) - TFVK-ROSS MHQA  
**Cc:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** LURR 20240113 for review and comments  
**Attachments:** 20240113LURR.pdf

Hi Troy and Troy,

Attached please find a new LURR packet, BPA Case # 20240113, for TLM's review.  
This is for PGE's new transmission line crossing and a new tower. Tower proposed to be placed on BPA fee-owned Right-of-Way. Affecting BPA's St Johns-St Helens No. 1 transmission line.

If you have any questions or need additional information, just ask!  
Thank you,

**Laura Master**

(CONTR) CorSource Technology Group, Inc.  
Realty Technician II | TERR-3

**BONNEVILLE POWER ADMINISTRATION**

[Immaster@bpa.gov](mailto:Immaster@bpa.gov) | O: 503-230-4375 | C: (b)(6)  
[Landowners Guide to Compatible Use of BPA Rights-of-Way](#)

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**From:** Dalrymple,Troy E (BPA) - TFVK-ROSS MHQA  
**Sent:** Tuesday, February 13, 2024 6:40 AM  
**To:** Master,Laura M (CONTR) - TERR-3; Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** 20240113LURR.pdf  
**Attachments:** 20240113LURR.pdf

U.S. DEPARTMENT OF ENERGY – BONNEVILLE POWER ADMINISTRATION (BPA)  
LAND USE REVIEW REQUEST

1. Case Number \_\_\_\_\_ 2. Date \_\_\_\_\_

3. From: Real Property Management – TERR-3 \_\_\_\_\_

4. To:

A. Transmission Line Engineering: TELC – TPP-3

B. Pollution Prev. Abate: Joseph Sharpe – EP-4

C. Environment Comp. Transmission: ECT-4

D. Survey and Mapping: Yelena Knight – TERG – TPP-4

E. Lineman Foreman III: \_\_\_\_\_

F. Natural Resource Specialist: \_\_\_\_\_

G. Chief Substation Operator: \_\_\_\_\_

H. District Ops. & Mait. Manager \_\_\_\_\_

I. Customer Account Executive (Name) (See web Link: [CSE Customer Assignment](#)) \_\_\_\_\_

J. Customer Service Engineer (Name) \_\_\_\_\_

K. Other (Name) \_\_\_\_\_

5. Brief Summary of Application or Encroachment

6. Applicant or Encroacher Name \_\_\_\_\_

7. Operating & Design Name of Line(s) and/or Substation(s)

8a. Tracts Easement \_\_\_\_\_

8b. Lead Tract ID \_\_\_\_\_

8c. Tracts Fee \_\_\_\_\_

8d. Multiple Lead Tracts \_\_\_\_\_

9a. Location ( $\frac{1}{4}$   $\frac{1}{4}$ ) \_\_\_\_\_ 9b. Section \_\_\_\_\_ 9c. Township \_\_\_\_\_

9d. Range \_\_\_\_\_ 9e. Meridian \_\_\_\_\_ 9f. County \_\_\_\_\_ 9g. State \_\_\_\_\_

File Code: PA-1300; Retention: Destroy no sooner than 20 years after the records are closed.



**LAND USE REVIEW REQUEST**

10. Attachments:

A. Encroachment Report      B. Letter of Application      C. Application for Proposed Use of BPA Right-of-Way

D. BPA Drawing(s) \_\_\_\_\_

E. Other Drawings \_\_\_\_\_

F. Other Attachments or Comments: \_\_\_\_\_

11. Realty Specialist/Right-of-Way Agent/Phone/Routing

\_\_\_\_\_  
Signature

12a. This request is referred for evaluation and comments, including adverse effects on future plans.

See Attached Comments      Approved as Requested      See Attached Transmission Electrical Design Comment Sheet

No Review Requested at This Time      See Attached TLM Comment Sheet      Request Meeting with all Reviewers

12b. Please make comments or reservations in relation to your area of expertise.

**TRANSMISSION LINE MAINTENANCE LURR SECTION**

13. Operating Line Name(s) \_\_\_\_\_

14. TLM Log Number \_\_\_\_\_ 15. Case Number \_\_\_\_\_

Unacceptable

TLM, TELC, TERR, NRS Requests a Meeting

A distance of at least \_\_\_\_\_ feet from conductors (*wires in the area*), and the \_\_\_\_\_

Acceptable as Proposed

Acceptable with Following Provisions (*See comments on page 3*)

## LAND USE REVIEW REQUEST

All **above ground** uses must maintain a distance of at least 50-feet from all structures. *(Exception: where vegetation is concerned – see comments below)*

Any **underground** portion of the project is required to be built to HL-93 loading standards or to State and Local regulations whichever is greater. Also, maintain a distance of at least 50-ft from all steel lattice structures, and 25-ft from all pole structures. *(Exceptions: septic/drain fields – see comments below).*

Please note: Buried BPA **underground facilities**, i.e., counterpoise, fiber vaults, etc. may be present and require \_\_\_\_\_ feet of clearance.

All approved fences shall have a 16-foot gate(s) installed at the approved location for access by BPA maintenance vehicles and BPA is permitted to use its own TM locks, where needed.

Access road use requires joint inspection with applicant and TLM/NRS personnel prior to use - and - an additional inspection at the time of termination of any use/agreement must be made prior to release.

Shall have a BPA approved safety watcher present during construction of the project.

Vegetation – Landscape, low growing vegetation, and shrubs, should not exceed \_\_\_\_\_ feet in height, and **must** be at least 50-feet (or \_\_\_\_\_ ) away from any structure.

T & B required – see your NRS for Christmas Tree and Commercial Orchard requirements.

Comments:

Reviewer Name \_\_\_\_\_ Reviewer Work Phone Number \_\_\_\_\_ Date \_\_\_\_\_

File Code: PA-1300; Retention: Destroy no sooner than 20 years after the records are closed.

U.S. DEPARTMENT OF ENERGY - BONNEVILLE POWER ADMINISTRATION (BPA)  
APPLICATION FOR PROPOSED USE OF BPA RIGHT-OF-WAY  
1-800-282-3713

Ask for Real Property Services or a contact person from web site. <a href="http://www.bpa.gov/goto/LandsCommunity">www.bpa.gov/goto/LandsCommunity</a>		Date: _____			
<b>Privacy Act Statement</b> Authority: 42 USC § 7101 and 50 USC § 2401 Purpose: BPA will use this information to assess whether your proposed use of our right-of-way will interfere with BPA's land rights. Routine Uses: This information is authorized to be maintained in Privacy Act system of records DOE-24, "Land Records System." Other routine uses for which this information may be disclosed are listed in the Privacy Act system of records notice for DOE-24, which is published in the Federal Register. Disclosure: Voluntary; however, failure to provide complete information may result in a delay or denial of your application.					
Applicant is required to complete all of page 1. If not submitting an attached map, plan or sketch, page 2 is required.					
Checks will not be accepted. Remit payment to BPA electronically. To make payment using Google Chrome, Firefox, or Edge browser, navigate to <a href="https://www.bpa.gov/goto/HowtoPay">https://www.bpa.gov/goto/HowtoPay</a> ; select the blue hyperlink MAKE PAYMENT NOW; select the blue CONTINUE TO FORM button; under Purpose of Payment select REALTY APPLICATION FEE and fill out remaining fields with an *; select CONTINUE to submit payment. Please make sure to select the appropriate box below before making your payment. You should receive a confirmation when finished.					
<input type="checkbox"/> <b>NO APPLICATION FEE</b> For individual landowners requesting personal use of BPA Right-of-Way	<input type="checkbox"/> <b>\$250 APPLICATION FEE</b> For developments or subdivisions. Application fee is non-refundable.	<input type="checkbox"/> <b>\$2500 APPLICATION FEE</b> For longitudinal occupancies that require multiple miles of BPA Right-of-Way. Application fee is non-refundable.			
<b>Applicant</b>		<b>Owner</b> (Complete only if the applicant is not the owner.)			
1. NAME _____		4. NAME _____			
2. ADDRESS, CITY, STATE, ZIP _____		5. ADDRESS, CITY, STATE, ZIP _____			
3. TELEPHONE NO. _____ EMAIL ADDRESS: _____ FAX NO: _____		6. TELEPHONE NO. _____ EMAIL ADDRESS: _____ FAX NO: _____			
7. LOCATION OF PROPERTY (Legal description of the property. This information is on your title, insurance policy, courthouse deed, or your tax statement.) (PROVIDE A COUNTY ASSESSOR'S MAP SHOWING THE OWNER'S BOUNDARY LINES AND THE LOCATION OF USE.) _____ _____ _____					
8. PURPOSE FOR WHICH BPA RIGHT-OF-WAY/PROPERTY IS TO BE USED. Check all boxes that apply and complete the information on the following page. (Include a map, plan or sketch if appropriate.) NOTE: For submission of digital plans please provide a PDF version. BPA will request larger plans, if needed.					
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 33%; padding: 5px; vertical-align: top;"><input type="checkbox"/> <b>Driveway / Roadway Width</b> Width _____ Material _____ <b>PLEASE ATTACH EXISTING AND PROPOSED GRADING PLANS.</b></td><td style="width: 33%; padding: 5px; vertical-align: top;"><input type="checkbox"/> <b>Pipelines</b> Type:    <input type="checkbox"/> Gas       <input type="checkbox"/> Sewer       <input type="checkbox"/> Water Diameter _____ Material _____ Buried _____ Depth _____</td><td style="width: 33%; padding: 5px; vertical-align: top;"><input type="checkbox"/> <b>Electric Service Line</b> Voltage _____ Underground _____ Overhead _____</td></tr></table>			<input type="checkbox"/> <b>Driveway / Roadway Width</b> Width _____ Material _____ <b>PLEASE ATTACH EXISTING AND PROPOSED GRADING PLANS.</b>	<input type="checkbox"/> <b>Pipelines</b> Type: <input type="checkbox"/> Gas <input type="checkbox"/> Sewer <input type="checkbox"/> Water Diameter _____ Material _____ Buried _____ Depth _____	<input type="checkbox"/> <b>Electric Service Line</b> Voltage _____ Underground _____ Overhead _____
<input type="checkbox"/> <b>Driveway / Roadway Width</b> Width _____ Material _____ <b>PLEASE ATTACH EXISTING AND PROPOSED GRADING PLANS.</b>	<input type="checkbox"/> <b>Pipelines</b> Type: <input type="checkbox"/> Gas <input type="checkbox"/> Sewer <input type="checkbox"/> Water Diameter _____ Material _____ Buried _____ Depth _____	<input type="checkbox"/> <b>Electric Service Line</b> Voltage _____ Underground _____ Overhead _____			
<input type="checkbox"/> <b>Other Uses:</b> _____					
Narrative: Please describe your intended use in detail. In order to assure safe clearance, please describe any equipment that will be used for applied use (including equipment intended to construct and maintain the use). Space is provided on page 2 for a drawing. <b>IF GRADING, PLEASE ATTACH EXISTING AND PROPOSED GRADING PLANS</b>					
9. APPLICANT NAME _____	10. APPLICANT SIGNATURE _____ <div style="background-color: black; color: white; padding: 2px; display: inline-block;">(b)(6)</div>	11. APPLICANT TITLE _____			

RECEIVED 11/09/2023  
LMMASTER TERR-3



**IF APPLICABLE, ATTACH NAME, COMPANY ADDRESS, AND A CONTACT PERSON FOR ALL UTILITIES INVOLVED IN PROJECT.**

12. RIGHT-OF-WAY Draw in space provided below the location of the proposed use. (Identify structures and show distances and angles from BPA structures). Diamonds on the line represent BPA structures on the right-of-way. Copy the series of letters and numbers from the lower half of each BPA structure (see example below) and enter in "BPA Structure Identification" block. Indicate which direction is "North" in relation to the right-of-way.

**BIG E – CHEM 1-81-2**  
BPA STRUCTURE IDENTIFICATION



**PS2 1-2-A**  
BPA STRUCTURE IDENTIFICATION



**Identify structures and show distances and angles from BPA structures**

A large grid area for drawing structures and showing distances and angles from BPA structures. The grid is 20 units wide and 20 units high. A horizontal line runs across the middle of the grid, with two diamond symbols placed on it, one at the 10-unit mark and one at the 15-unit mark.

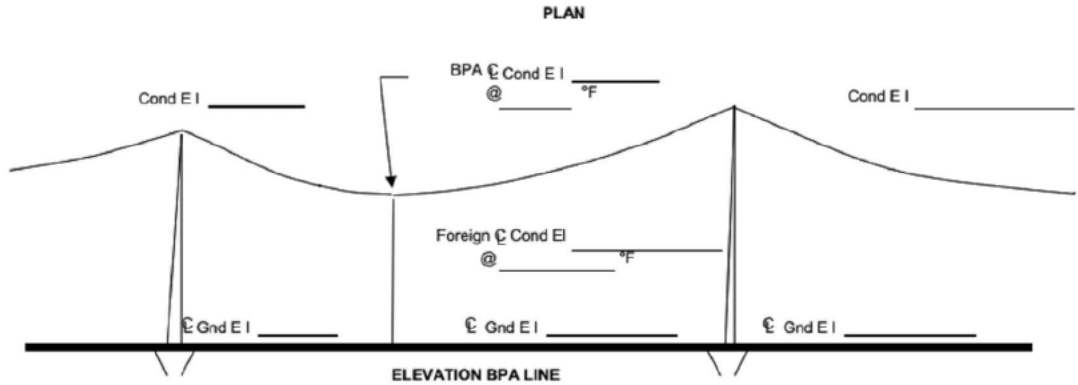
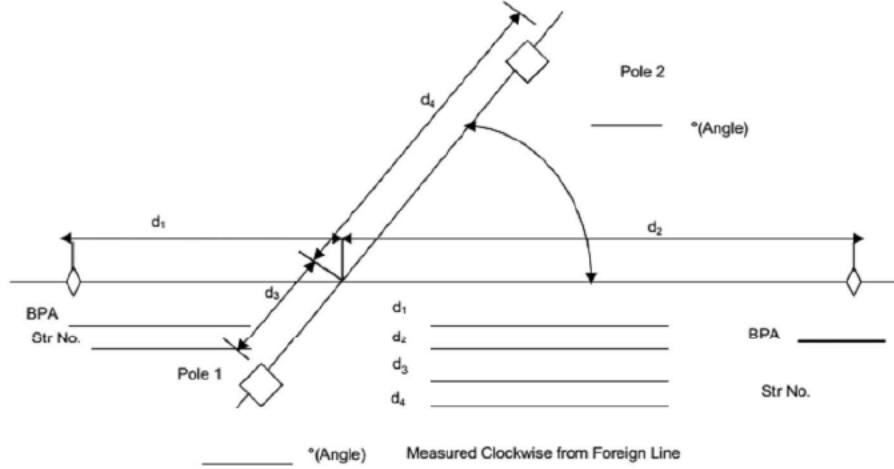
BPA STRUCTURE IDENTIFICATION

BPA STRUCTURE IDENTIFICATION

U.S. DEPARTMENT OF ENERGY - BONNEVILLE POWER ADMINISTRATION (BPA)  
APPLICATION FOR PROPOSED USE OF BPA RIGHT-OF-WAY

APPLICANT NAME

Complete **ONLY** if overhead or underground foreign line crosses an overhead BPA line. If the foreign line crosses more than one BPA line use additional sheets.

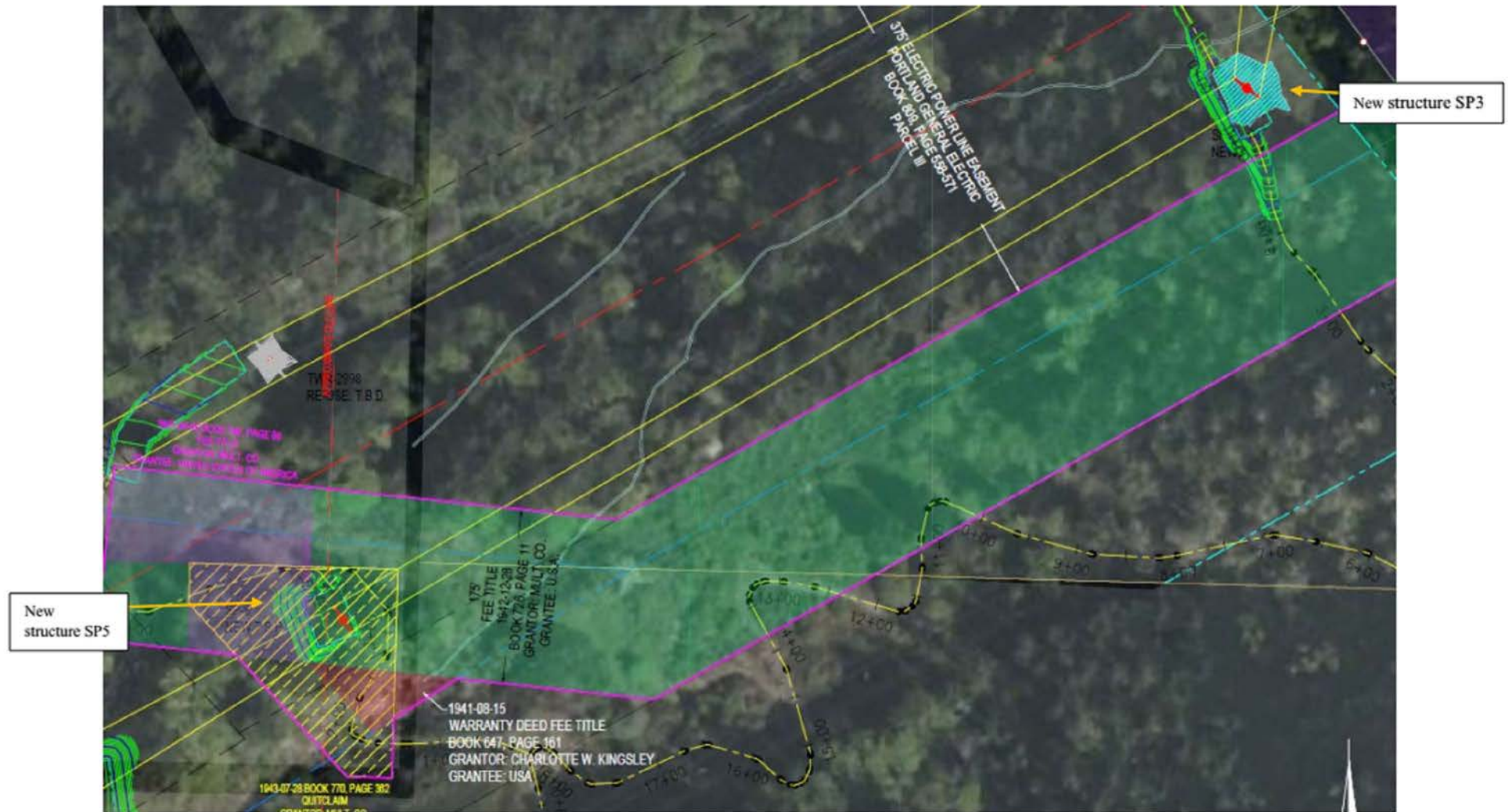


POLES		LENGTH	DEPTH SET	CLASS POLE
POLE 1				
POLE 2				
F I X T U R E S	SIZE OF CROSSARMS			
	MAKE AND CATALOG NUMBER OF INSULATORS			
C O N D U C T O R S	NUMBER		SIZE	
	KIND		VOLTAGE	
	MWT		LOADING	
	COMMENTS			

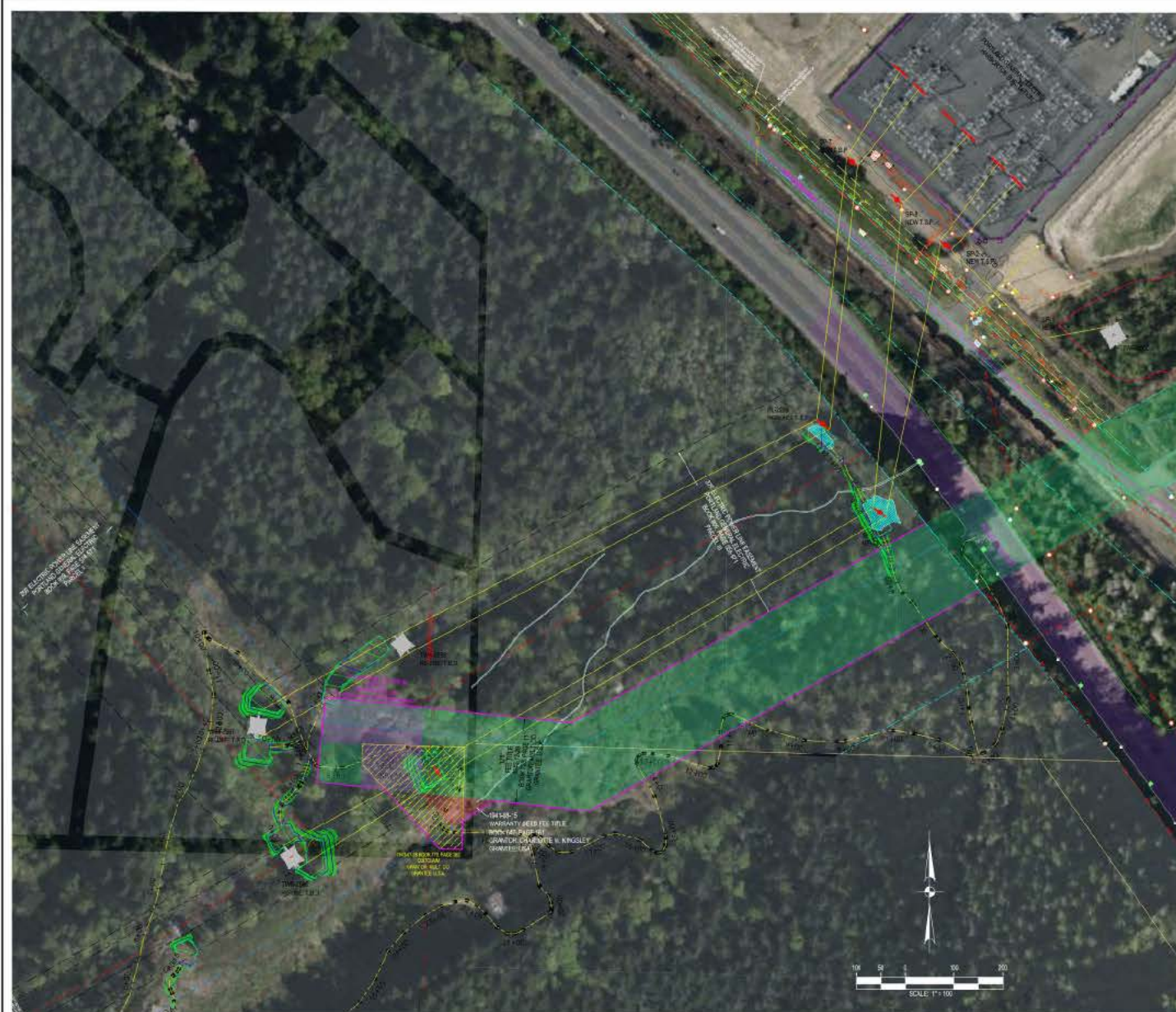
POLE 1

POLE 2  
CONFIGURATIONS

M2863881 PGE proposed crossing A  
2 new lines: PGE Evergreen-Harborton 230kV and PGE Harborton-St. Marys 230kV  
new structure "SP5" on 2N1W34CB 00800/900  
new structure "SP3" on 2N1W34 00400







LEGEND		LEGEND	
	CAMPGROUND FIRE HYD.		UTILITY BORE HOLE
	CAMPGROUND POLE TABLE		UTILITY JUNCTION BOX
	COAM FIBER JUNCTION BOX		UTILITY MANHOLE
	COAM FIBER MANHOLE		UTILITY RISER
	COAM FIBER RISER		WATER BLOW OFF VALVE
	COAM FIBER VAULT		WATER MANHOLE
	COAM GUY ANCHOR		WATER METER
	COAM JUNCTION BOX		WATER VALVE
	COAM MANHOLE		WATER VAULT
	COAM RISER		WATER SPOUT
	COAM VAULT		
	CONTROL POINT		UNDERGROUND COMMUNICATIONS
	FIRE DEPARTMENT CONNECT		UNDERGROUND FIBER OPTIC LINE
	FIRE HYDRANT		UNDERGROUND GAS LINE
	FLAG POLE		UNDERGROUND POWER LINE
	GAS JUNCTION BOX		UNDERGROUND SANITARY LINE
	GAS LINE MARKER		UNDERGROUND STORM LINE
	GAS METER		UNDERGROUND WATER LINE
	GAS RISER		OVERHEAD POWER LINE
	GAS VALVE		UNKNOWN UNDERGROUND/UTILITY
	GAS VAULT		PROPOSED UNDERGROUND POWER
	MONITORING WELL		FENCE LINE
	POWER GUY ANCHOR		DITCH LINE
	POWER GUY STRIP		RAIL ROAD TRACKS
	POWER JUNCTION BOX		ROAD CENTERLINE
	POWER LIGHT POLE		RIGHT-OF-WAY
	POWER MANHOLE		EASEMENT
	POWER METER		PROPERTY LINE
	POWER POLE		CONCRETE CURBSIDE
	POWER POLE STEEL		RETAINING WALL
	POWER RISER		MAJOR CONTOUR
	POWER TRANSFORMER		FINISHED FLOOR
	POWER VAULT		BUILDING FOOTPRINT
	PROPOSED VAULT		
	PROPOSED POWER POLE		CONCRETE SURFACE
	PROPOSED POWER GUY ANCHOR		GRAVEL SURFACE
	PROPOSED POWER TRANSFORMER		ASPHALTIC CONCRETE
	RAILROAD MILEPOST		
	ROAD BOLLARD		
	ROAD MARKING		
	ROAD SIGNPOST		
	TRAFFIC SIGNAL BOX		
	TRAFFIC SIGNAL POLE		
	SANITARY MANHOLE		
	SANITARY CLEANOUT		
	SANITARY VAULT		
	STORM AREA DRAIN		
	STORM CATCH BASIN		
	STORM CLEANOUT		
	STORM CULVERT		
	STORM INLET		
	STORM MANHOLE		
	STORM VAULT		
	TOPO ROCK		

DATE: 10/6/2023	WORK ORDER NO: M2863831-21	CHECKED BY: MANAGER
DRAWN BY: DM/AJ	FOR: PORTLAND GENERAL ELECTRIC CO.	
SCALE: AS-SHOWN	CAD FILE NAME: H230 50% SITES MAP 2023.10.06	
<b>HARBORTON 230KV</b> <b>FOREST PARK AREA 50% SITE MAP</b>		
DRAWING NO: M2863831-21	SHEET NO: 1 OF 1	REV NO: C





#### LEGEND (PLAN)

- EXISTING TUBULAR STEEL POLE
- NEW TUBULAR STEEL POLE
- EXISTING WOOD POLE
- EXISTING LATTICE TOWER
- SUBSTATION BAYS
- PGE ALIGNMENT

#### LEGEND (PROFILE)

- HARBORTON-TROIAN #1 230KV
- HARBORTON-TROIAN #2 230KV
- EVERGREEN-HARBORTON 230KV
- HARBORTON-ST. MARY'S 230KV
- HARBORTON-RIVERGATE #1 230KV
- NEW PGE STATIC LINE
- EXISTING PGE CIRCUITS
- EXISTING BPA CIRCUITS
- EXISTING PGE/BPA STATIC LINE

#### DISPLAY CONDITION

NOTE: DISPLAY WEATHER CASE AS BELOW UNLESS NOTED ELSEWHERE IN DRAWING FOR SHOWING SPECIFIC CLEARANCES.

#### TRANSMISSION

MAX. OPERATING TEMP. ACSR (212 DEG F, NO WIND, NO ICE, MAX SAG)

MAX. OPERATING TEMP. AAC (200 DEG F, NO WIND, NO ICE, MAX SAG)

115KV MAX. OPERATING TEMP. ACS (355 DEG F, NO WIND, NO ICE, MAX SAG)

230KV MAX. OPERATING TEMP. ACS (482 DEG F, NO WIND, NO ICE, MAX SAG)

#### COMMUNICATION

MAX. SAG (32 DEG F, NO WIND, 1/2" ICE, MAX SAG)

#### SECTION INFORMATION

A- 2156 KCMIL ACS (84/19) "BLUEBIRD" (MWT 2000# @ NESC 250B)

B- 2156 KCMIL ACS (84/19) "BLUEBIRD" (MWT 9000# @ NESC 250B)

C- 2156 KCMIL ACS (84/19) "BLUEBIRD" (MWT 12000# @ NESC 250B)

D- 2156 KCMIL ACS (84/19) "BLUEBIRD" (MWT 9000# @ NESC 250B)

E- EXISTING CONDUCTOR

PGE CIRCUIT CROSSING OVER BPA, ST HELENS-ST JOHNS BPA 115KV:

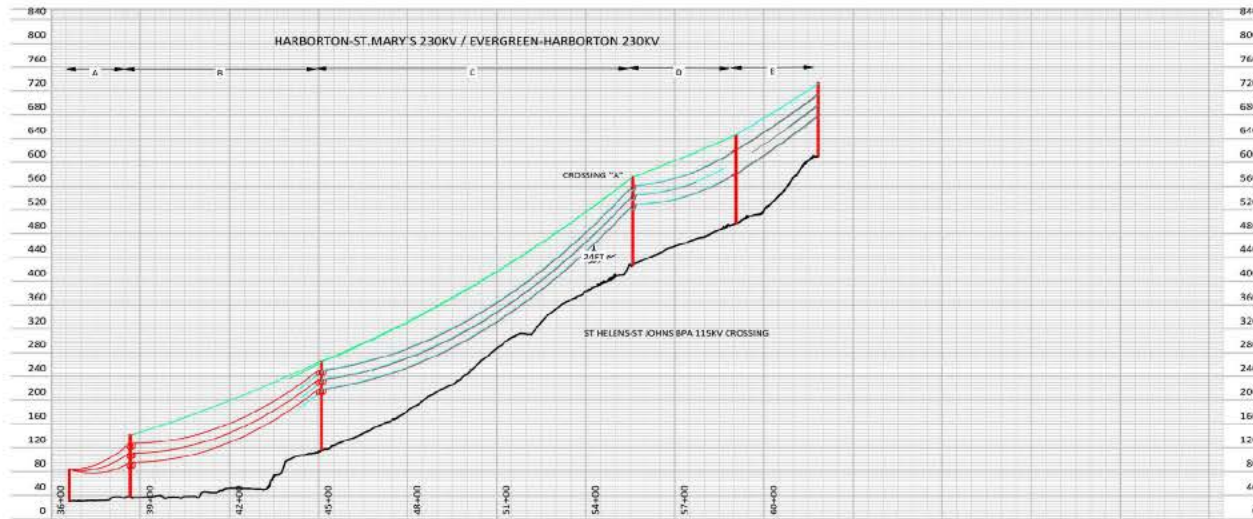
PGE: MAX SAG

BPA: 0-D-4F INITIAL

BPA CIRCUIT CROSSING OVER PGE, ST MARY'S-WACKER 115KV:

PGE: 0-D-4F INITIAL

BPA: MAX SAG



STATUS STRUCTURE NO. STATION POLE HEIGHT (FT) FOR PIER REVEAL	NEW BAY 4 36+60	NEW TSP SP8 38+65 UNKNOWN	NEW TSP SP3 16+87 UNKNOWN	NEW TSP SP5 27+27 UNKNOWN	EXISTING TWR_2996 30+84 TD-25 70' BODY UNKNOWN	EXISTING TWR_2995 61+83 TA-25 65' BODY UNKNOWN
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	SITE MAP	FOUNDATION DRAWING
	STRUCTURE DATA SHEET	
	PHASING DRAWINGS	
	FRAMING DRAWINGS	

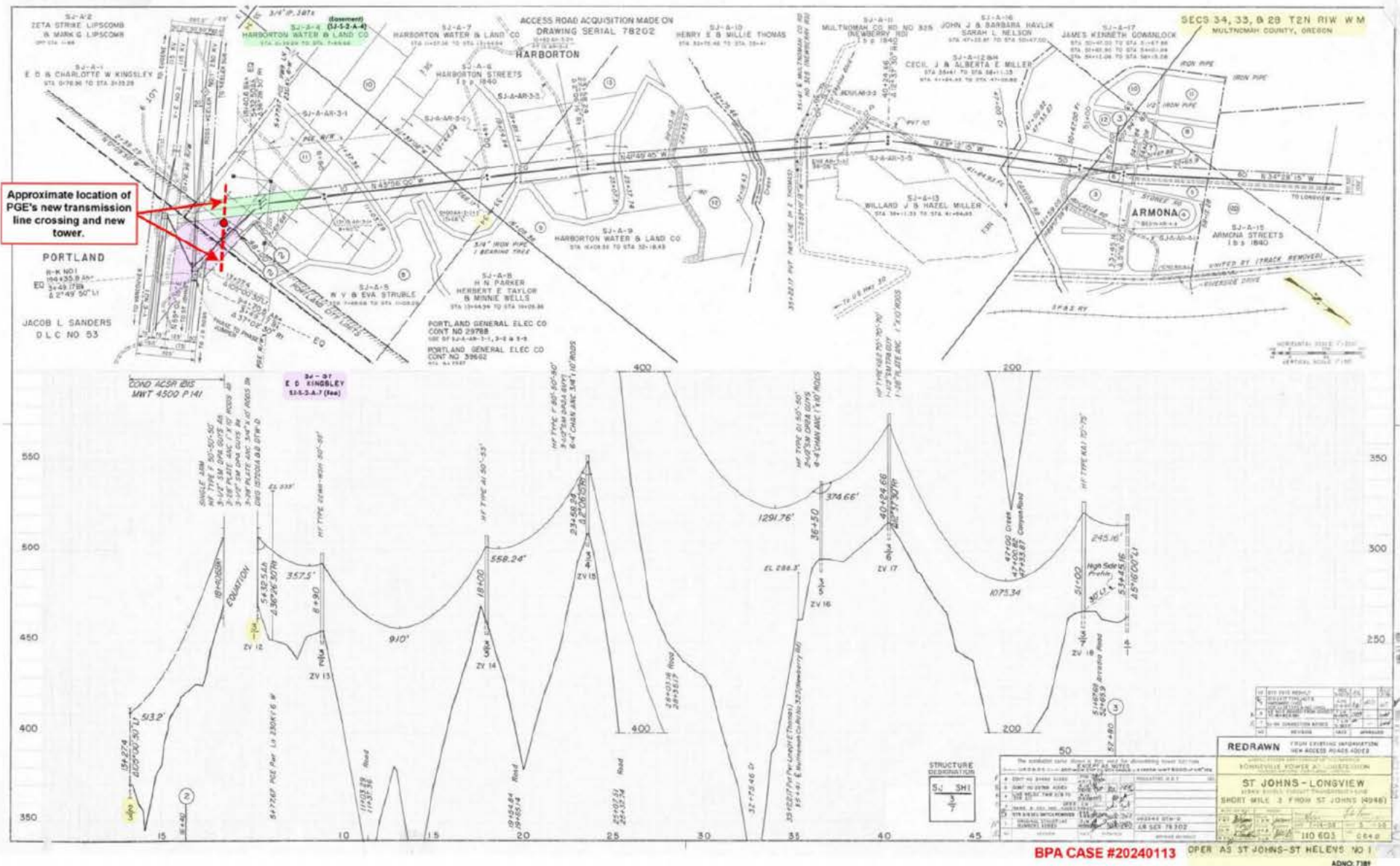
200.0 FT. HORIZ. SCALE  
100.0 FT. VERT. SCALE

0	DRAFT	07/14/2023	AJJ	AJJ	AJJ	MMQ
REV	DESCRIPTION	DATE	DRN	DSGN	CHK	APPV
PLAN & PROFILE DRAWINGS						
DATE	07/14/2023	SCALE	AS SHOWN	DRAWING NO.	JOB NO. M2853681	
<div style="display: flex; justify-content: space-between;"> <div> <p>TITLE: HARBORTON 230KV PROJECT - FOREST PARK</p> <p>LOCATION: NEAR 12352 NW MARINA WAY</p> <p>COUNTY: MULTNOMAH</p> <p>SECTION: VARIES</p> </div> <div> <p>ENGINEERING SUPERVISOR: MATT CORCAMER</p> <p>ENGINEER: ALAN JOHNSON</p> <p>PHONE: (541) 871-9079</p> <p>DRAWN BY: REBECCA CHIS</p> </div> </div>						
<div style="display: flex; align-items: center;"> <div> <p>TRANSMISSION DESIGN/ENGINEERING</p> <p>200 SE 17TH AVE</p> <p>PORTLAND, OR 97202</p> </div> </div>						SHEET 22034
© PORTLAND GENERAL ELECTRIC CO. - ALL RIGHTS RESERVED						









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**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2  
**Sent:** Tuesday, February 20, 2024 12:27 PM  
**To:** Manary,Michelle L (BPA) - TS-DITT-2; Cook,Jeffrey W (BPA) - TP-DITT-2; Bustamante,Richard (BPA) - TO-DITT-2; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2; Kosterev,Dmitry (BPA) - TPP-OPP-3; Lee,Christina A (BPA) - TPPD-OPP-3; Heredia,Anita L (TFE)(BPA) - TPLE-TPP-2; Shaheen,Richard L (BPA) - T-DITT-2; Miller,Mike P (BPA) - TE-DITT-2; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2  
**Cc:** Orth,Erich T (BPA) - TEPP-TPP-1; Kalmykov,Viktor I (TFE)(BPA) - TOOP-DITT-2; Kuraspediani,Daniel K (TFE)(BPA) - TOOP-DITT-2; Dondy-Kaplan,Hannah A (BPA) - AIR-7; Kitali,Salah H (BPA) - TP-TPP-2  
**Subject:** RE: [EXTERNAL] RE: PGE/BPA VP Meeting Agenda  
**Attachments:** DRAFT\_BPA-PGE Joint Executive Meeting\_2.21.24.pptx

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Materials provided by PGE.

---

**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2  
**Sent:** Tuesday, February 20, 2024 6:49 AM  
**To:** Manary,Michelle L (BPA) - TS-DITT-2 <[mlmanary@bpa.gov](mailto:mlmanary@bpa.gov)>; Cook,Jeffrey W (BPA) - TP-DITT-2 <[jwcook@bpa.gov](mailto:jwcook@bpa.gov)>; Bustamante,Richard (BPA) - TO-DITT-2 <[rbustamante@bpa.gov](mailto:rbustamante@bpa.gov)>; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2 <[rkaggarwal@bpa.gov](mailto:rkaggarwal@bpa.gov)>; Kosterev,Dmitry (BPA) - TPP-OPP-3 <[dnkosterev@bpa.gov](mailto:dnkosterev@bpa.gov)>; Lee,Christina A (BPA) - TPPD-OPP-3 <[calee@bpa.gov](mailto:calee@bpa.gov)>; Heredia,Anita L (TFE)(BPA) - TPLE-TPP-2 <[alheredia@bpa.gov](mailto:alheredia@bpa.gov)>; Shaheen,Richard L (BPA) - T-DITT-2 <[rlshaheen@bpa.gov](mailto:rlshaheen@bpa.gov)>; Miller,Mike P (BPA) - TE-DITT-2 <[mpmiller@bpa.gov](mailto:mpmiller@bpa.gov)>; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2 <[rkaggarwal@bpa.gov](mailto:rkaggarwal@bpa.gov)>  
**Cc:** Orth,Erich T (BPA) - TEPP-TPP-1 <[etorth@bpa.gov](mailto:etorth@bpa.gov)>; Kalmykov,Viktor I (TFE)(BPA) - TOOP-DITT-2 <[vikalmykov@bpa.gov](mailto:vikalmykov@bpa.gov)>; Kuraspediani,Daniel K (TFE)(BPA) - TOOP-DITT-2 <[dkkuraspediani@bpa.gov](mailto:dkkuraspediani@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>; Kitali,Salah H (BPA) - TP-TPP-2 <[shkitali@bpa.gov](mailto:shkitali@bpa.gov)>  
**Subject:** FW: [EXTERNAL] RE: PGE/BPA VP Meeting Agenda

My apologies Mike, Salah and Ravi. Please forward to anyone else I missed.

---

**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2  
**Sent:** Friday, February 16, 2024 10:03 AM  
**To:** Manary,Michelle L (BPA) - TS-DITT-2 <[mlmanary@bpa.gov](mailto:mlmanary@bpa.gov)>; Cook,Jeffrey W (BPA) - TP-DITT-2 <[jwcook@bpa.gov](mailto:jwcook@bpa.gov)>; Bustamante,Richard (BPA) - TO-DITT-2 <[rbustamante@bpa.gov](mailto:rbustamante@bpa.gov)>; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2 <[rkaggarwal@bpa.gov](mailto:rkaggarwal@bpa.gov)>; Kosterev,Dmitry (BPA) - TPP-OPP-3 <[dnkosterev@bpa.gov](mailto:dnkosterev@bpa.gov)>; Lee,Christina A (BPA) - TPPD-OPP-3 <[calee@bpa.gov](mailto:calee@bpa.gov)>; Heredia,Anita L (TFE)(BPA) - TPLE-TPP-2 <[alheredia@bpa.gov](mailto:alheredia@bpa.gov)>; Shaheen,Richard L (BPA) - T-DITT-2 <[rlshaheen@bpa.gov](mailto:rlshaheen@bpa.gov)>  
**Cc:** Orth,Erich T (BPA) - TEPP-TPP-1 <[etorth@bpa.gov](mailto:etorth@bpa.gov)>; Kalmykov,Viktor I (TFE)(BPA) - TOOP-DITT-2 <[vikalmykov@bpa.gov](mailto:vikalmykov@bpa.gov)>; Kuraspediani,Daniel K (TFE)(BPA) - TOOP-DITT-2 <[dkkuraspediani@bpa.gov](mailto:dkkuraspediani@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** FW: [EXTERNAL] RE: PGE/BPA VP Meeting Agenda

New agenda items and responses in red below.

Troy



Not Responsive

- **Harborton Reliability Project (Forest Park and BPA Access roads)** - I have no info.

Not Responsive

---

**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2

**Sent:** Thursday, February 15, 2024 1:25 PM

**To:** Manary,Michelle L (BPA) - TS-DITT-2 <[mlmanary@bpa.gov](mailto:mlmanary@bpa.gov)>; Cook,Jeffrey W (BPA) - TP-DITT-2 <[jwcook@bpa.gov](mailto:jwcook@bpa.gov)>; Bustamante,Richard (BPA) - TO-DITT-2 <[rbustamante@bpa.gov](mailto:rbustamante@bpa.gov)>; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2 <[rkaggarwal@bpa.gov](mailto:rkaggarwal@bpa.gov)>; Kosterev,Dmitry (BPA) - TPP-OPP-3 <[dnkosterev@bpa.gov](mailto:dnkosterev@bpa.gov)>; Lee,Christina A (BPA) - TPPD-OPP-3 <[calee@bpa.gov](mailto:calee@bpa.gov)>; Heredia,Anita L (TFE)(BPA) - TPLE-TPP-2 <[alheredia@bpa.gov](mailto:alheredia@bpa.gov)>

**Cc:** Orth,Erich T (BPA) - TEPP-TPP-1 <[etorth@bpa.gov](mailto:etorth@bpa.gov)>; Kalmykov,Viktor I (TFE)(BPA) - TOOP-DITT-2 <[vikalmykov@bpa.gov](mailto:vikalmykov@bpa.gov)>; Kuraspediani,Daniel K (TFE)(BPA) - TOOP-DITT-2 <[dkkuraspediani@bpa.gov](mailto:dkkuraspediani@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>

**Subject:** FW: [EXTERNAL] RE: PGE/BPA VP Meeting Agenda

Hi all,

I just received the agenda from Shaun. See my notes/comments/questions below.

Troy

---

**From:** Shaun Foster <[Shaun.Foster@pgn.com](mailto:Shaun.Foster@pgn.com)>

**Sent:** Thursday, February 15, 2024 1:01 PM

**To:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>

**Subject:** [EXTERNAL] RE: PGE/BPA VP Meeting Agenda

Hi Troy,

Here is my first pass at a draft agenda for next week:

- Not Responsive



Not Responsive

Thanks!

**Shaun Foster** Senior Manager, Transmission Development | 503-464-7945

**From:** Simpson, Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>

**Sent:** Thursday, February 15, 2024 10:30 AM

**To:** Shaun Foster <[Shaun.Foster@pgn.com](mailto:Shaun.Foster@pgn.com)>; Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>

**Subject:** PGE/BPA VP Meeting Agenda

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Hi Shaun,

We have our next VP meeting on the 21<sup>st</sup>.

Not Responsive

Not Responsive

Troy

**Troy Simpson**

Customer Account Executive | Transmission Marketing & Sales

**BONNEVILLE POWER ADMINISTRATION**

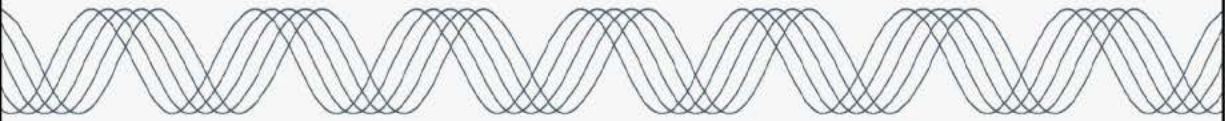
[bpa.gov](http://bpa.gov) | [bpa.gov](http://bpa.gov) | P 360-418-8659 | C (b)(6)

[[twitter.com](https://twitter.com)]



# BPA-PGE Joint Executive Meeting

February 21, 2024



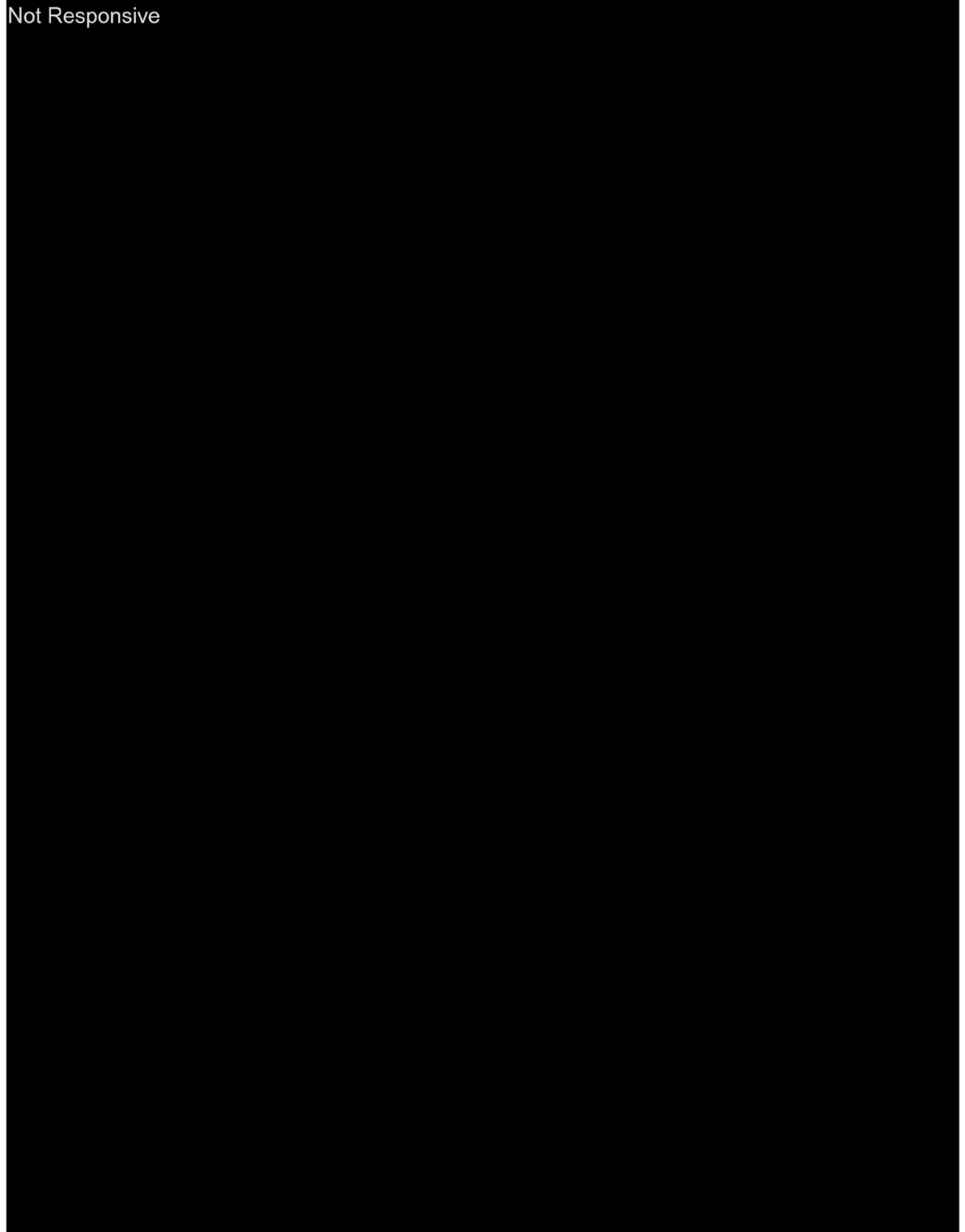


## Agenda

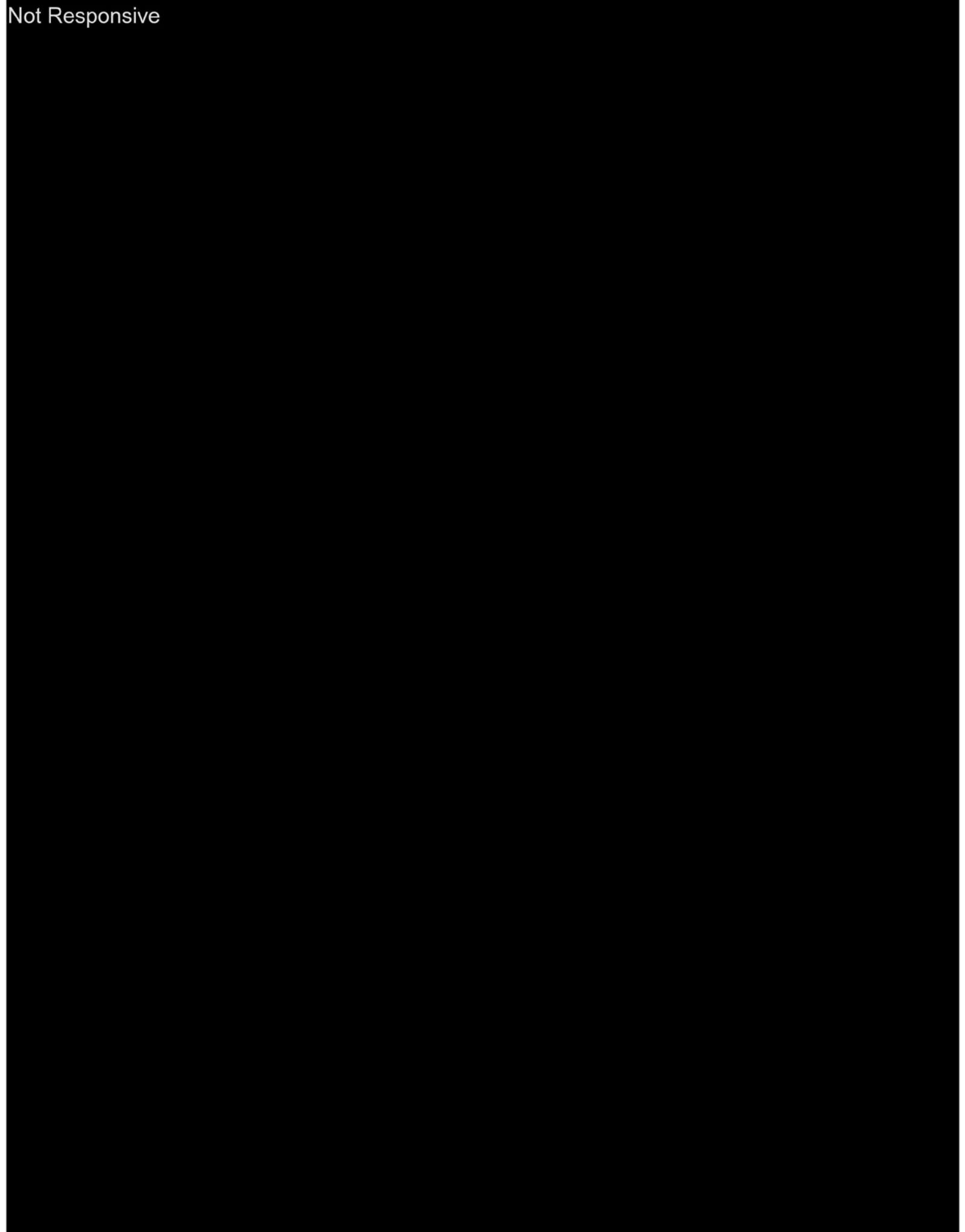
- Not Responsive [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- Harborton Reliability Project (Forest Park and BPA Access roads)
- Not Responsive [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]



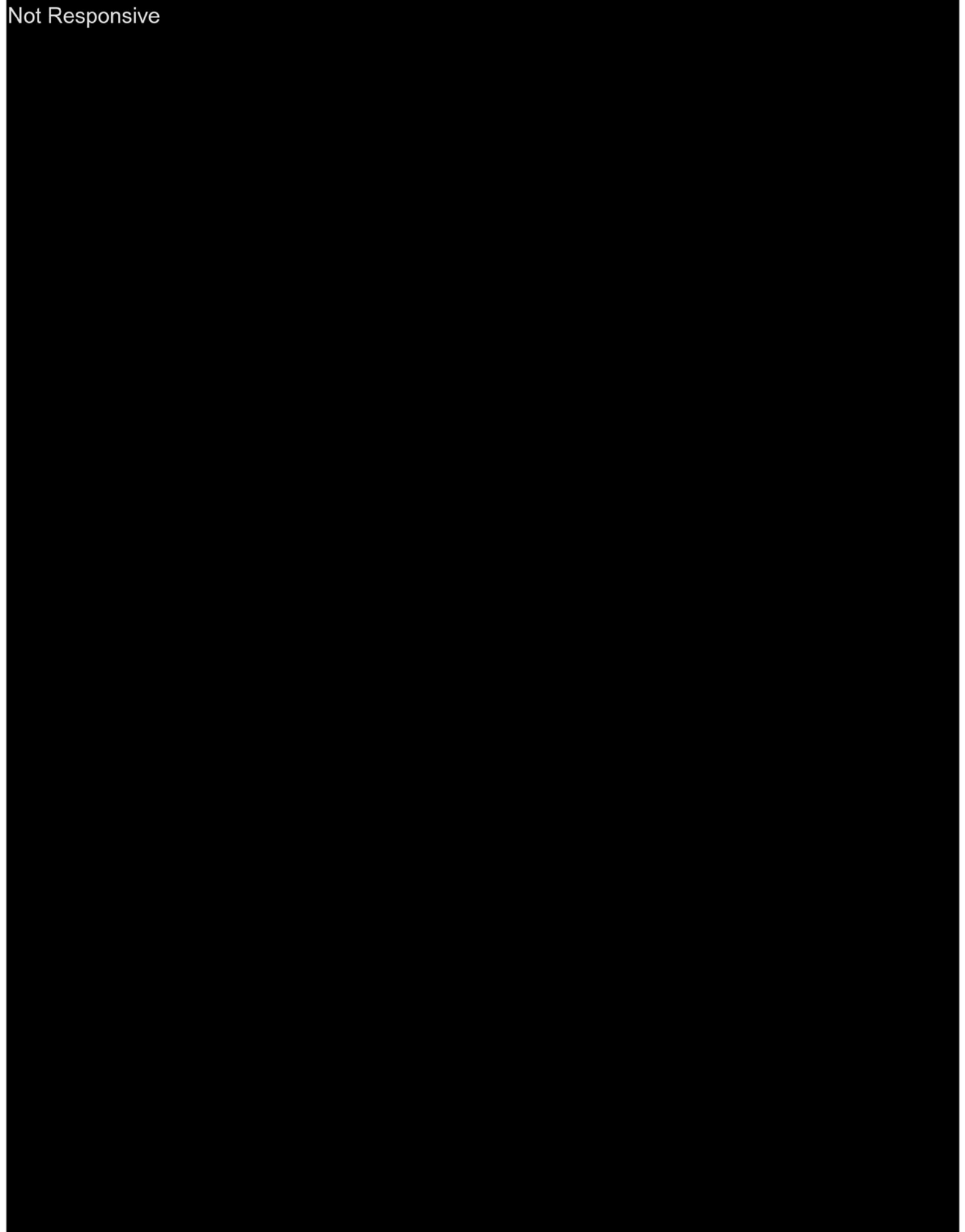
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Not Responsive

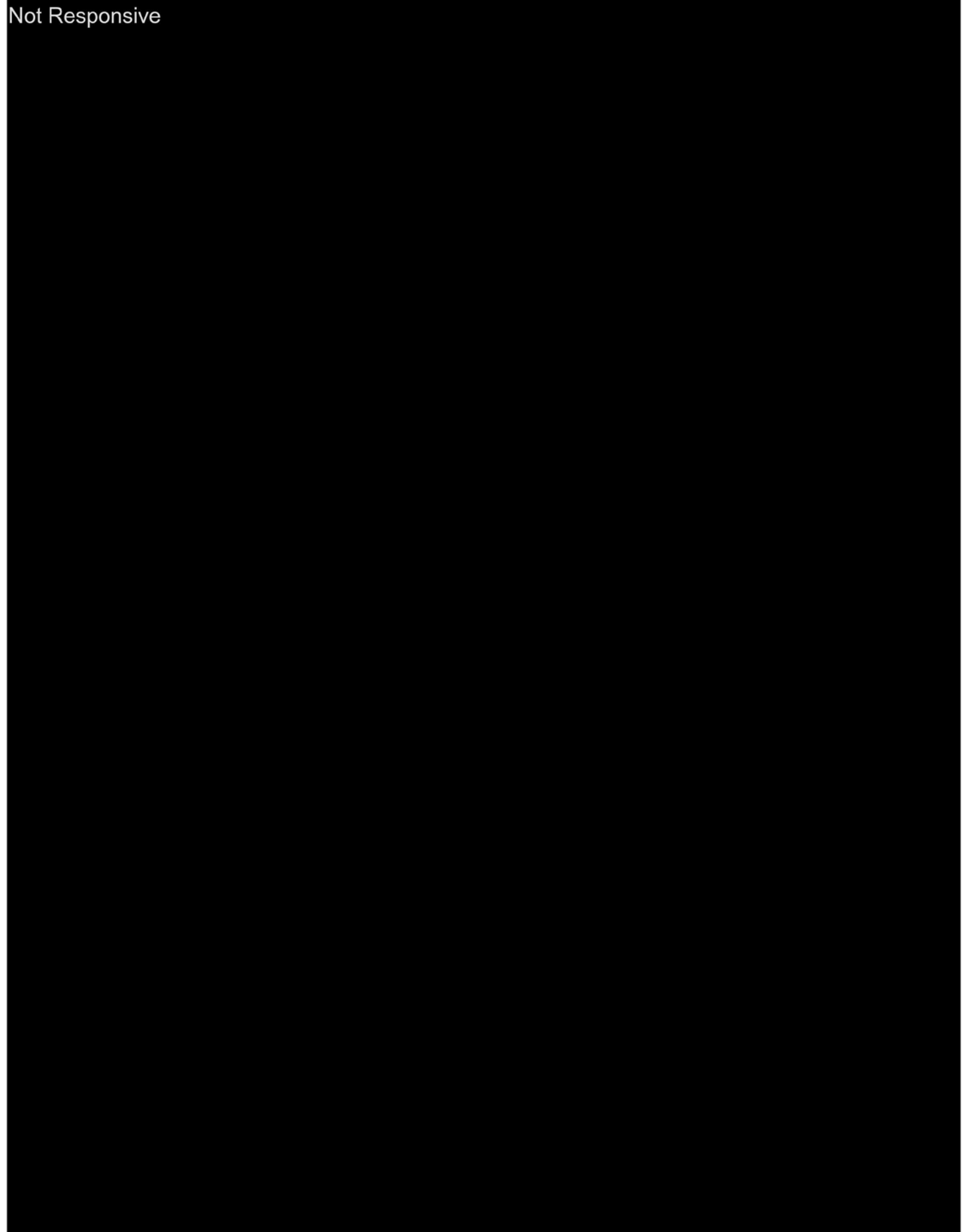


Not Responsive





Not Responsive



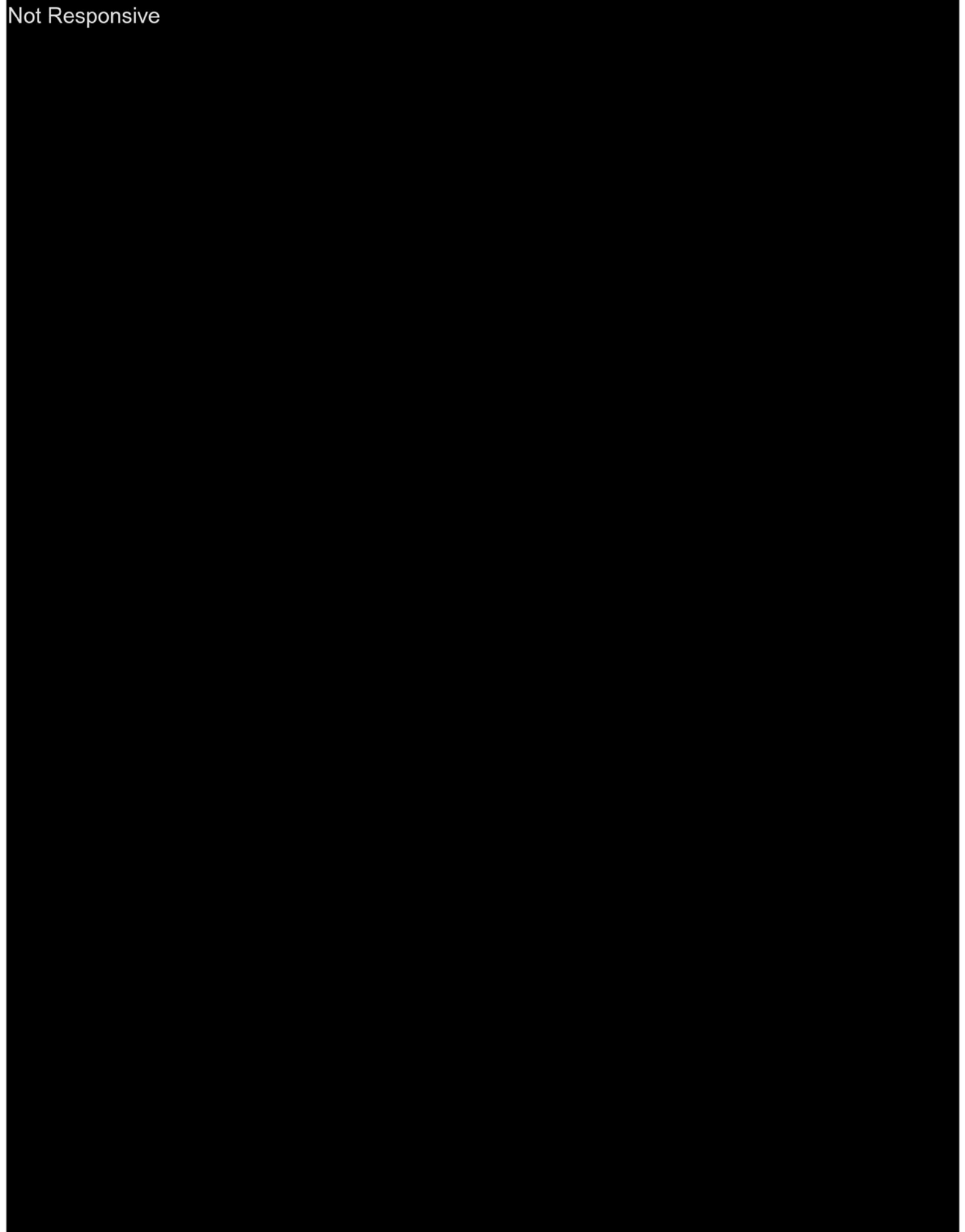


## Harborton Reliability Project

- PGE will be filing land use for Forest Park with C.O.P. in April '24
- PGE interested in capturing as much work as is possible in single application
- PGE project team met with BPA real estate group to explore shared access to BPA access roads in Forest Park.

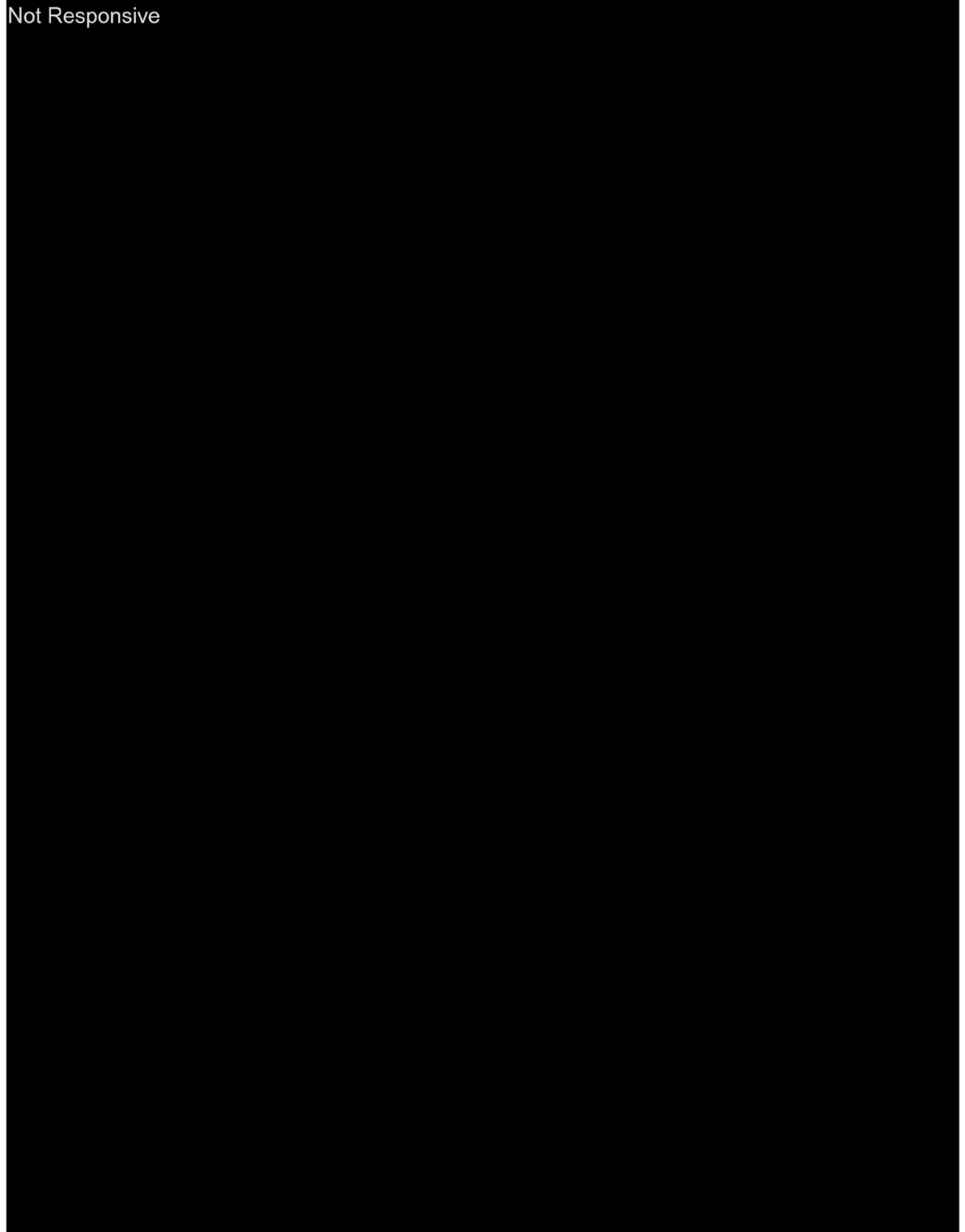


Not Responsive

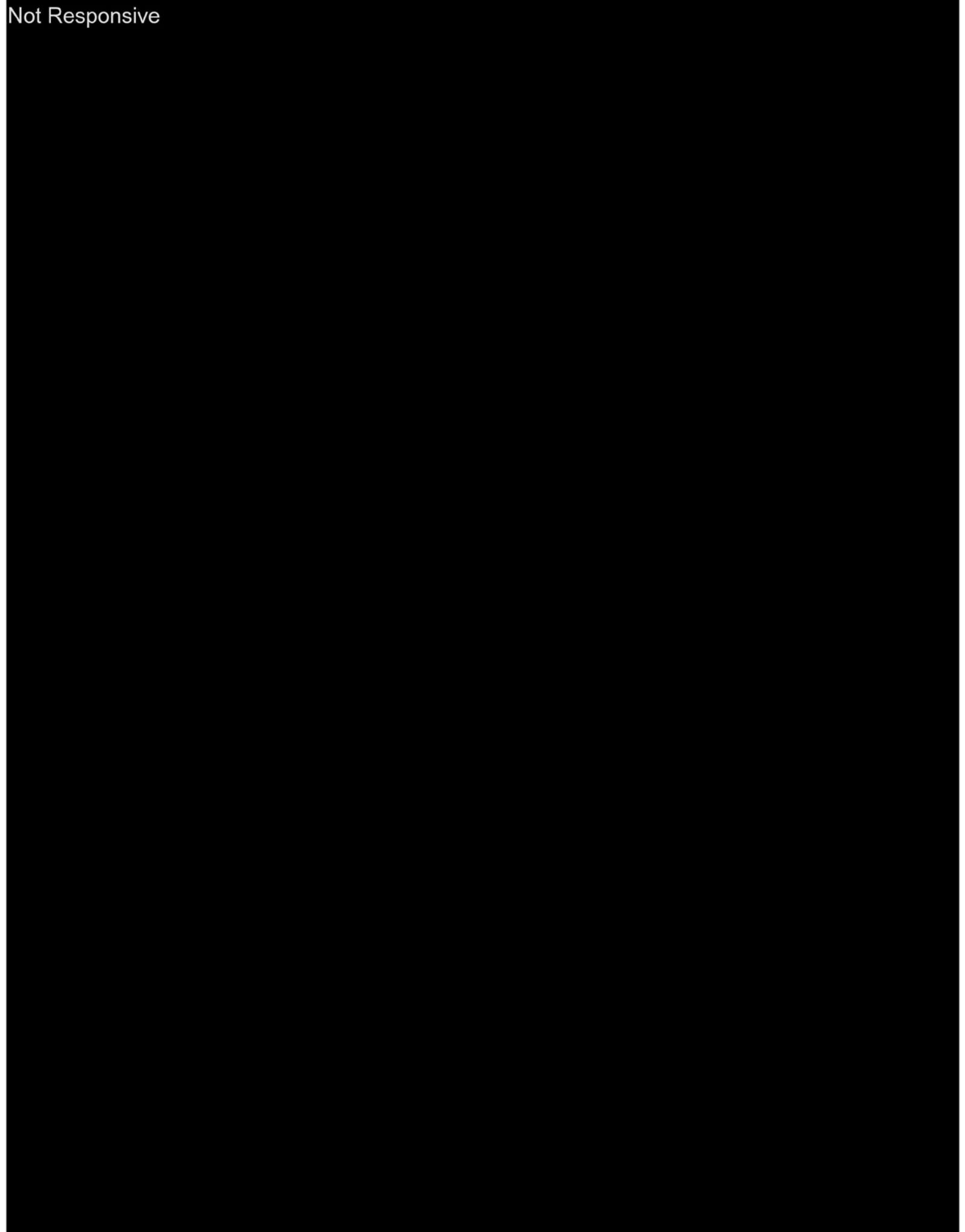




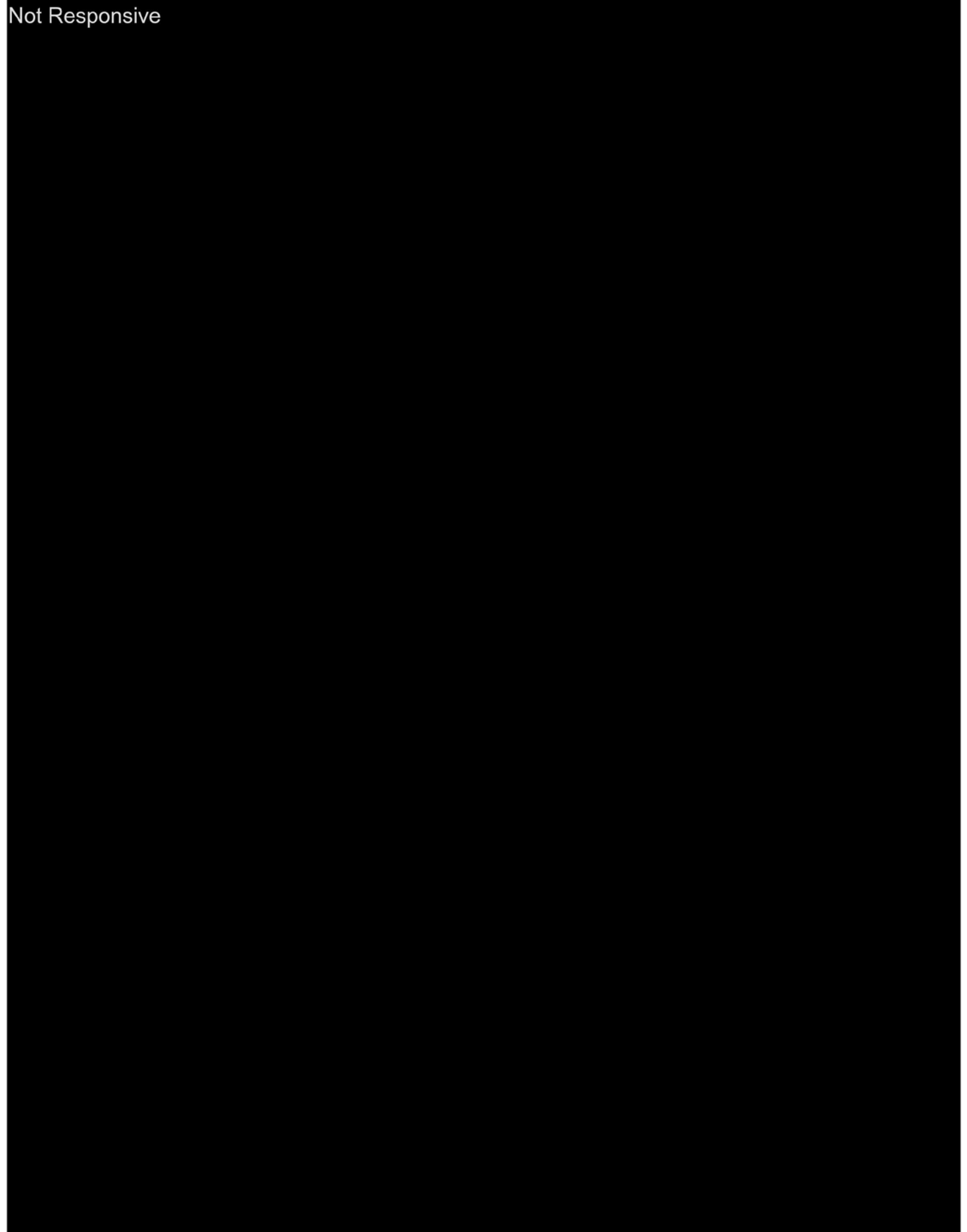
Not Responsive



Not Responsive



Not Responsive





**Let's  
meet the  
future  
together.**



---

**From:** Tina Tippin <Tina.Tippin@pgn.com>  
**Sent:** Wednesday, March 6, 2024 2:40 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

Great, thanks!

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Sent:** Wednesday, March 6, 2024 2:09 PM  
**To:** Tina Tippin <Tina.Tippin@pgn.com>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Hey Tina,

Please see the attached Agenda. I only made a couple minor corrections to the BPA Attendees.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [bpa.gov]

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Wednesday, March 6, 2024 12:04 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

Hi Billie,

We create an agenda for tomorrow's meeting.

Please let me know if you have any additions/corrections.

Thanks, Tina

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Monday, March 4, 2024 12:17 PM

To: Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

Subject: RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

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Hey Tina,

I don't think anyone from BPA's side will be available to meet in person with this short of notice.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

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**Importance:** High

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Please let me know ASAP.

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I will also check schedules and find out what date works for us. Do we want to do this on Teams or in person?

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I will follow up with a map identifying BPA's roads as part of BPA's project (TER ID 21-0082 St Johns-St Helens)

I have reached out to BPA's Environmental Group to discuss how to cover this work under NEPA review or is a NEPA review will be required and hope to hear back soon. Once I do I will send you an update.

BPA's Natural Resource Specialist is Brian Luis. His contact information is: [bjluis@bpa.gov](mailto:bjluis@bpa.gov) | O: 360-418-8105. He should be able to assist with any tree or vegetation questions you may have, including if NEPA will be required for any vegetation work.



If you would like to have a project team meeting with BPA, BPA's project team is available for the following times. If these times don't work, please let me know and we will look for additional availability. BPA will hopefully have Realty: myself, Laura Master and Dan Brunell, BPA Project Manager: Donna Martin, Access Road Engineer: Lee Fricke, Natural Resource Specialist: Brian Luis and BPA's Environmental Group: Justin Carr, Bob Cromwell and Walker Stinnette. If PGE could have your vegetation, environment, access road engineer and anyone involved that would be great. This meeting will be for the road request portion only and BPA will not have any Electrical Engineers present as the 230kV crossings are being handled separately under Cases 20240113 & 20240114. If PGE would like a meeting with BPA's electrical engineers please let me know and I can setup a separate meeting.

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*Billie Woodman*

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**Cc:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** [EXTERNAL] M2863881 PGE's 230kV Forest Project

Hi Billie,

I hope all is well with you. Sorry I didn't get this over to you last week. It has been a busy crazy couple of days with a lot of meetings, including a couple of on-site visits.

Here is the survey material my surveyor has created. Please have your surveyor look it over and see if he/she would like to meet.

When you get a chance can you send over your Forester/Landscape/Vegetation contact for us? I'm sure our various contacts have been reaching out to anyone and everyone they think might be able to make the connection. Our Forester is Dianna Shervey but we are also having contractors doing studies and proposed work for our project so I'm not 100% sure who might be trying to reach out. What I do know is we'd like BPA's input on "dangerous" trees and proposed removals we'd like to make.



Have a great day. I look forward to hearing from you.

**Tina Tippin**, Sr Property Specialist, Property Rights Organization 503-464-7672 || (b)(6) (c)

# AGENDA & MINUTES-HARBORTON 230 KV

## PGE/BPA Mtg - Harborton 230 kV Project

Meeting date: 3/7/2024  
Meeting time: 9:30 am - 10:30 am  
Location: Teams  
FP Number: P37468

ATTENDEES			
PORTLAND GENERAL ELECTRIC		BONNEVILLE POWER ADMINISTRATION	
NAME	ROLE	NAME	ROLE
<input checked="" type="checkbox"/> Tina Tippin	Prop Svcs Specialist	<input checked="" type="checkbox"/> Billie Woodman	Realty Specialist
<input checked="" type="checkbox"/> Alan Johnson	T-Line Engineer	<input checked="" type="checkbox"/> John Tyler	Forestry
<input type="checkbox"/> Rebecca Chis	T-Line Engineer	<input checked="" type="checkbox"/> Justin Carr	Natl Resource Spc
<input checked="" type="checkbox"/> David Drochner	CM, Line	<input checked="" type="checkbox"/> Donna Martin	PM, BPA Road Prj
<input checked="" type="checkbox"/> Dianna Shervey	Forestry	<input checked="" type="checkbox"/> Daniel Brunell	Project Coordinator
<input checked="" type="checkbox"/> Chris Whitman	Consulting Arborist	<input checked="" type="checkbox"/> Laura Master	Realty Tech
<input checked="" type="checkbox"/> Chip Bloomer	Enviro Services	<input checked="" type="checkbox"/> Walker Stinnette	Environmental
<input checked="" type="checkbox"/> Randy Franks	Project Manager	<input checked="" type="checkbox"/> Brian Luis	Natl Resource Spc
<input checked="" type="checkbox"/> Meredith Armstrong	Mgr, Property Rights	<input checked="" type="checkbox"/> Bob Cromwell	Archaeologist
<input checked="" type="checkbox"/> Kyle Misener	Surveying	<input checked="" type="checkbox"/> Lee Fricke	Access Rd Engr
<input checked="" type="checkbox"/> Kyle Fadness (MSI)	Access Rd Engr	<input checked="" type="checkbox"/> Chris Morse	Natl Resource Supv
<input checked="" type="checkbox"/> Mike Marleau	Mgr, Project Mgmt		

### DISCUSSION (Salmon text indicates update from previous meeting)

#### 1. PGE project status

- Design complete. Filing for land use review by City of Portland (COP) in April 2024. Desire to construct in Summer 2025 (logging, roads) and Summer 2026 (line work)

#### 2. Property Ownership

- BPA Realty is working with City of Portland on landownership discrepancy, have responded to multiple requests for additional data. Multnomah County records appear incorrect. Hoping to clear up before any work starts in Summer 2025.

#### 3. NEPA Review by BPA



# AGENDA & MINUTES-HARBORTON 230 KV

- a. BPA NEPA review will include cultural and archeological resources. PGE's proposed tower and line work are with BPA Environmental to perform NEPA review.
- b. PGE conducted many studies and can provide data if BPA needs.
- c. BPA's own road improvement project is undergoing NEPA review to be completed in Fall 2024.

## 4. BPA Road

- a. BPA Road capital improvement project expected to start in Summer 2025, undergoing NEPA review now.
- b. PGE has designed some improvements on parts of BPA Road and provided the design to BPA for technical comment. NEPA review of PGE's proposed improvements are not in the NEPA review queue.
- c. BPA asked PGE about including spur to a BPA structure in PGE's plans. Based on PGE field review there could be a wetland (BPA will need to assess this) on the road and improvements are not needed for PGE's line work.

ACTION ITEM: PGE requested roadway specs for reference.

## 5. Forestry

- a. BPA, Metro and COP participated in pollinator corridor planting project. PP&R did follow-on herbicide treatments. BPA has study data, will provide to PGE via Billie.
- b. BPA will want payment for timber value of trees removed on BPA land.
- c. PGE developed removal plans for the area, including to avoid windthrow from PGE easement areas into BPA property. These plans can be provided if BPA would like to review.
- d. BPA requested exact locations of tree removals.
- e. Additional discussions needed for with both teams.

ACTION ITEM: BPA to provide PGE pollinator study data.

PGE to provide BPA locations of tree removals.

## 6. Information Flow

- a. Points of contact are Tina Tippin (PGE) and Billie Woodman (BPA). Direct interactions between BPA and PGE team members is okay, however both Tina and Billie must be included on all emails and meeting requests. Any data to be provided must flow through them.

The preceding is assumed to be a complete and correct account of the items discussed, directions given, and conclusions drawn, unless the Project Manager is notified to the contrary in writing within 3 business days. If no notification is received, these minutes will be deemed an accurate account of the meeting.



---

**From:** Tina Tippin <Tina.Tippin@pgn.com>  
**Sent:** Wednesday, March 27, 2024 9:40 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Cc:** Tina Tippin  
**Subject:** [EXTERNAL] RE: M2863881 PGE's 230kV Forest Project 3/7/24 meeting notes  
**Attachments:** H230 BPA Trees.pdf; BPA\_Trees\_3.25.2024 updated.xlsx

Hi Billie, I'm following up and seeing how things are going on the BPA end and if you had a chance to get the road specs for us?

I am also sending the tree removal information for review.

Let me know when we can get the Natural Resource folks together and then the Road folks.

Thanks, Tina

---

**From:** Tina Tippin  
**Sent:** Wednesday, March 13, 2024 10:12 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Cc:** Randy Franks <randy.franks@pgn.com>  
**Subject:** RE: M2863881 PGE's 230kV Forest Project 3/7/24 meeting notes

Hi Billie,

Thanks for getting the BPA Team together with the PGE Team last week. As we discussed, here is a copy of the notes we drafted. Please look them over and let me know if there are any changes.

Let's also look at scheduling another meeting. We could probably get the Forestry/Natural Resource/Environmental folks together and the roadway teams to keep both projects moving.

I look forward to hearing from you.

Thanks, Tina

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Sent:** Wednesday, March 6, 2024 2:09 PM  
**To:** Tina Tippin <Tina.Tippin@pgn.com>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

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Hey Tina,

Please see the attached Agenda. I only made a couple minor corrections to the BPA Attendees.



Thanks,

*Billie Woodman*

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**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

Hi Billie,

We create an agenda for tomorrow's meeting.

Please let me know if you have any additions/corrections.

Thanks, Tina

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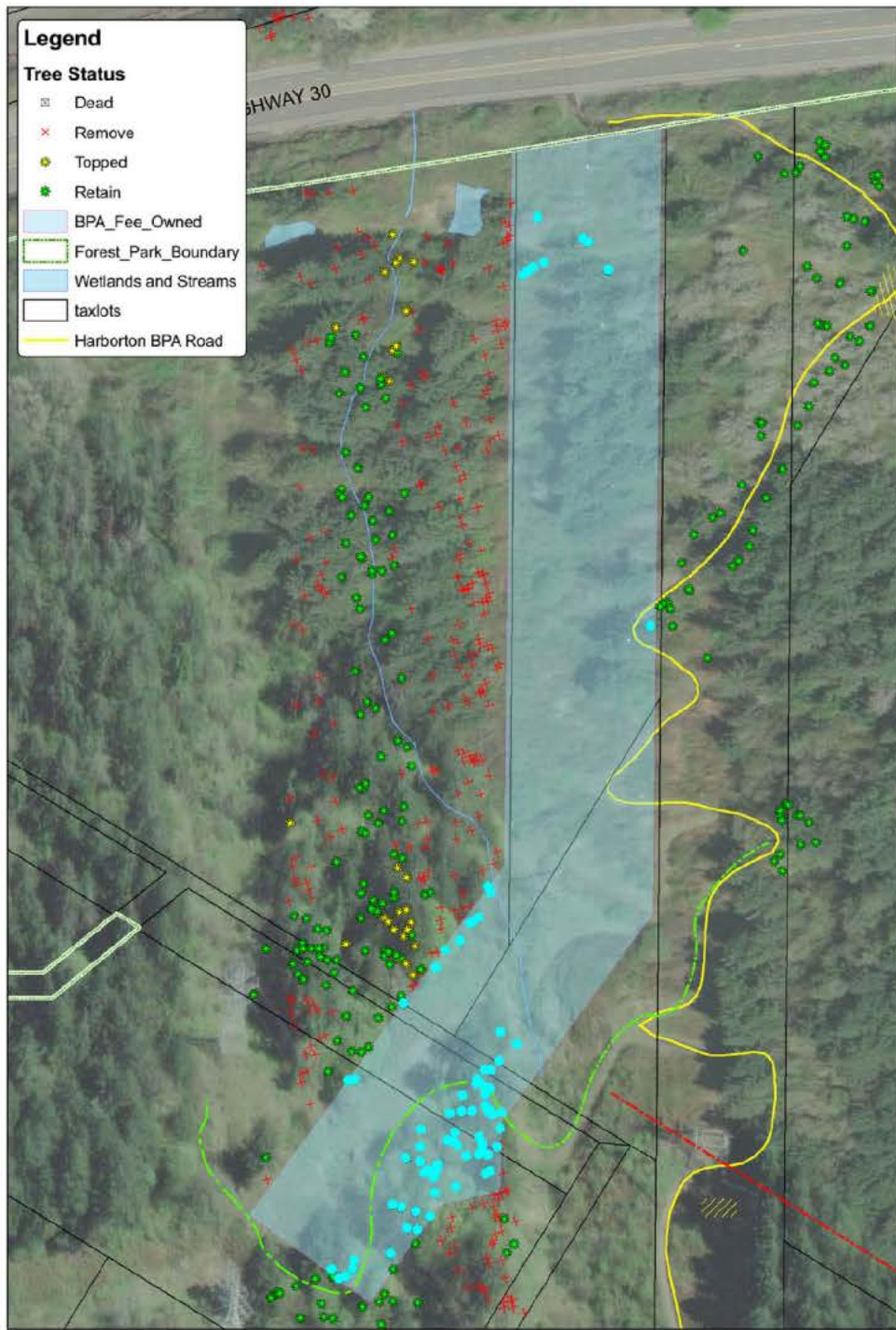
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Retain	RPZ	SPECIES	BPA Owned	OBJECTID	TAG ID	MULTISTEM	CONDITION	NOTES	DBH	MS1	MS2	MS3
Yes		7 Bigleaf Maple	Yes	596	592	NO	HEALTHY		7	0	0	0
No		9 Bigleaf Maple	Yes	19	518	NO	Healthy		9	0	0	0
No		12 Bigleaf Maple	Yes	35	533	NO	Healthy		12	0	0	0
No		12 Bigleaf Maple	Yes	50	561	YES	Healthy		9	7	0	0
No		14 Bigleaf Maple	Yes	30	528	YES	Poor		10	9	0	0
No		14 Bigleaf Maple	Yes	451	392	NO	Poor		14	0	0	0
No		15 Bigleaf Maple	Yes	80	571	NO	Healthy		15	0	0	0
No		18 Bigleaf Maple	Yes	21	521	NO	Healthy		18	0	0	0
No		20 Bigleaf Maple	Yes	496	437	NO	LIVING		20	0	0	0
No		22 Bigleaf Maple	Yes	58	569	YES	Healthy		15	8	7	0
No		26 Bigleaf Maple	Yes	53	564	YES	Healthy		15	13	10	0
No		27 Bigleaf Maple	Yes	543	484	YES	LIVING		14	14	12	0
No		33 Bigleaf Maple	Yes	594	589	YES	HEALTHY		22	16	6	0
No		55 Bigleaf Maple	Yes	590	573	YES	HEALTHY		27	15	15	13
No		98 Bigleaf Maple	Yes	29	527	NO	Poor		98	0	0	0
No		7 Cascara	Yes	531	574	NO	HEALTHY	Tree or shrub?	7	0	0	0
No		7 Cherry	Yes	582	575	NO	HEALTHY		7	0	0	0
No		10 Cherry	Yes	583	576	NO	HEALTHY		10	0	0	0
No		8 Douglas Fir	Yes	33	531	NO	Poor		8	0	0	0
No		8 Douglas Fir	Yes	54	565	NO	Healthy		8	0	0	0
No		8 Douglas Fir	Yes	579	572	NO	HEALTHY		8	0	0	0
No		9 Douglas Fir	Yes	27	525	NO	Poor		9	0	0	0
No		9 Douglas Fir	Yes	28	526	NO	Poor		9	0	0	0
No		9 Douglas Fir	Yes	36	534	NO	Healthy		9	0	0	0
No		10 Douglas Fir	Yes	22	522	NO	Healthy		10	0	0	0
No		10 Douglas Fir	Yes	26	524	NO	Healthy		10	0	0	0
No		10 Douglas Fir	Yes	124	64	NO	LIVING		10	0	0	0
No		10 Douglas Fir	Yes	495	436	NO	LIVING		10	0	0	0
No		11 Douglas Fir	Yes	49	560	NO	Healthy		11	0	0	0
No		13 Douglas Fir	Yes	31	529	NO	Poor		13	0	0	0
No		14 Douglas Fir	Yes	123	63	NO	LIVING		14	0	0	0
No		15 Douglas Fir	Yes	52	563	NO	Healthy		15	0	0	0
No		15 Douglas Fir	Yes	126	66	NO	LIVING		15	0	0	0
No		15 Douglas Fir	Yes	493	434	NO	LIVING		15	0	0	0
No		16 Douglas Fir	Yes	55	566	NO	Healthy		16	0	0	0
No		22 Douglas Fir	Yes	32	530	NO	Healthy		22	0	0	0
No		22 Douglas Fir	Yes	497	438	NO	LIVING		22	0	0	0
No		24 Douglas Fir	Yes	25	523	NO	Healthy		24	0	0	0
No		24 Douglas Fir	Yes	56	567	NO	Healthy		24	0	0	0
No		25 Douglas Fir	Yes	48	559	NO	Healthy		25	0	0	0
No		26 Douglas Fir	Yes	51	562	NO	Healthy		26	0	0	0
No		28 Douglas Fir	Yes	20	519	NO	Healthy		28	0	0	0
No		29 Douglas Fir	Yes	494	435	NO	LIVING		29	0	0	0
No		30 Oak	Yes	132	72	YES	LIVING		22	16	0	0
No		18 Other	Yes	704	585	NO	HEALTHY		18	0	0	0
No		10 Red Alder	Yes	590	590	NO	HEALTHY		10	0	0	0
No		14 Red Alder	Yes	589	586	NO	HEALTHY		14	0	0	0
No		15 Red Alder	Yes	57	568	NO	Healthy		15	0	0	0
No		15 Red Alder	Yes	595	587	NO	HEALTHY		15	0	0	0
No		17 Red Alder	Yes	593	588	NO	HEALTHY		17	0	0	0
No		20 Red Alder	Yes	591	591	YES	HEALTHY		13	11	2	0
No		12 Red Cedar	Yes	592	584	NO	HEALTHY		12	0	0	0
No		12 Salix lasiocarpa	Yes	37	535	NO	Poor		12	0	0	0

No	10 Vine Maple	Yes	594	577		NO	HEALTHY	Not a tree	19	0	0	0
No	12 Yew	Yes	18	520		NO	Healthy		12	0	0	0
No/Dead	12 Spruce	Yes	59	570		NO	DEAD		12	0	0	0
Yes	10 Bigleaf Maple	Yes	576	517		NO	LIVING		10	0	0	0
Yes	28 Bigleaf Maple	Yes	17	537		YES	Healthy		17	12	9	0
Yes	40 Bigleaf Maple	Yes	45	554		YES	Healthy		18	18	13	13
Yes	42 Bigleaf Maple	Yes	16	538		YES	Healthy		24	12	11	8
Yes	12 Cherry	Yes	535	476		NO	LIVING		12	0	0	0
Yes	16 Douglas Fir	Yes	4	996		NO	Healthy		16	0	0	0
Yes	16 Douglas Fir	Yes	133	73		NO	LIVING		16	0	0	0
Yes	19 Douglas Fir	Yes	630	625		NO	HEALTHY		19	0	0	0
Yes	20 Douglas Fir	Yes	14	540		NO	Poor		20	0	0	0
Yes	20 Douglas Fir	Yes	39	542		NO	Healthy		20	0	0	0
Yes	22 Douglas Fir	Yes	134	74		YES	LIVING		16	12	0	0
Yes	26 Douglas Fir	Yes	15	539		NO	Healthy		26	0	0	0
Yes	28 Douglas Fir	Yes	174	115		NO	LIVING		28	0	0	0
Yes	15 Red Alder	Yes	590	594		NO	POOR		15	0	0	0
Yes	16 Red Alder	Yes	597	593		NO	HEALTHY		16	0	0	0
Yes	17 Red Alder	Yes	599	595		NO	HEALTHY		17	0	0	0
Yes	19 Red Alder	Yes	38	536		NO	Poor		19	0	0	0
Yes	27 Red Alder	Yes	629	624		YES	HEALTHY		21	12	0	0
Yes	9 Red Cedar	Yes	450	391		YES	DEAD		6	6	0	0
Yes	13 Red Cedar	Yes	575	516		NO	LIVING		13	0	0	0
Yes/Dead	10 Douglas Fir	Yes	125	65		NO	DEAD		10	0	0	0
Yes/Dead	9 Red Cedar	Yes	34	532		NO	DEAD		9	0	0	0

MS4	MS5	MS6	Health_Rat	Structure	Canopy_Dia	Developmen	Street_Tra	Previous_I	Invasive_L	Constructi	x	y	F
0	0	0.3		3	9 Y	N	N	N	N	M	-122.79833520000	45.61205361000	14
0	0	0.3		3	12 Y	N	N	N	N	M	-122.79995510000	45.60973896000	18
0	0	0.3		3	16 Y	N	N	N	N	M	-122.79926590000	45.61044891000	24
0	0	0.3		3	12 Y	N	N	N	N	M	-122.79789560000	45.61045181000	18
0	0	0.1		3	13 Y	N	N	N	N	M	-122.79972580000	45.60984740000	20
0	0	0.2		3	18 Y	N	N	N	N	M	-122.79931220000	45.61137923000	28
0	0	0.3		3	20 Y	N	N	N	N	M	-122.79763570000	45.61088966000	30
0	0	0.3		3	23 Y	N	N	N	N	M	-122.79980790000	45.60973333000	36
0	0	0.3		3	26 Y	N	N	N	N	M	-122.79926140000	45.61116354000	40
0	0	0.3		3	20 Y	N	N	N	N	M	-122.79736740000	45.61061543000	30
0	0	0.3		3	20 Y	N	N	N	N	M	-122.79771080000	45.61045393000	30
0	0	0.3		3	18 Y	N	N	N	N	M	-122.79843530000	45.61361290000	28
0	0	0.3		3	29 Y	N	N	N	N	M	-122.79843300000	45.61108650000	44
13	0	0.3		3	35 Y	N	N	N	N	M	-122.79797300000	45.61132704000	54
0	0	0.1		3	127 Y	N	N	N	N	M	-122.79968240000	45.60984402000	196
0	0	0.3		3	9 Y	N	N	N	N	M	-122.79799920000	45.61150611000	14
0	0	0.3		3	9 Y	N	N	Y	N	M	-122.79801030000	45.61160348000	14
0	0	0.3		3	13 Y	N	N	Y	N	M	-122.79809180000	45.61158579000	20
0	0	0.1		3	10 Y	N	N	N	N	M	-122.79930940000	45.61029986000	16
0	0	0.3		3	10 Y	N	N	N	N	M	-122.79770970000	45.61042069000	16
0	0	0.3		3	10 Y	N	N	N	N	M	-122.79803370000	45.61122421000	16
0	0	0.1		3	12 Y	N	N	N	N	M	-122.79970280000	45.60974883000	18
0	0	0.1		3	12 Y	N	N	N	N	M	-122.79968340000	45.60983541000	18
0	0	0.3		3	12 Y	N	N	N	N	M	-122.79920560000	45.61048488000	18
0	0	0.3		3	13 Y	N	N	N	N	M	-122.79976240000	45.60969700000	20
0	0	0.3		3	13 Y	N	N	N	N	M	-122.79970350000	45.60979205000	20
0	0	0.3		3	13 Y	N	N	N	N	M	-122.80196770000	45.60994075000	20
0	0	0.3		3	13 Y	N	N	N	N	M	-122.79927260000	45.61118123000	20
0	0	0.3		3	14 Y	N	N	N	N	M	-122.79797360000	45.61047478000	22
0	0	0.1		3	17 Y	N	N	N	N	M	-122.79975350000	45.60982663000	26
0	0	0.3		3	18 Y	N	N	N	N	M	-122.80198390000	45.60994167000	28
0	0	0.3		3	20 Y	N	N	N	N	M	-122.79783280000	45.61045841000	30
0	0	0.3		3	20 Y	N	N	N	N	M	-122.80265020000	45.61015428000	30
0	0	0.3		3	20 Y	N	N	N	N	M	-122.79935720000	45.61120773000	30
0	0	0.3		3	23 Y	N	N	N	N	M	-122.79762430000	45.61041096000	36
0	0	0.4		3	29 Y	N	N	N	N	M	-122.79974260000	45.60983847000	44
0	0	0.4		3	29 Y	N	N	N	N	M	-122.79920540000	45.61127382000	44
0	0	0.3		3	31 Y	N	N	N	N	M	-122.79969920000	45.60978309000	48
0	0	0.3		3	31 Y	N	N	N	N	M	-122.79728480000	45.61036917000	48
0	0	0.3		3	33 Y	N	N	N	N	M	-122.79808110000	45.61045071000	50
0	0	0.3		3	34 Y	N	N	N	N	M	-122.79783510000	45.61042049000	52
0	0	0.3		3	36 Y	N	N	N	N	M	-122.79993440000	45.60977806000	56
0	0	0.3		3	38 Y	N	N	N	N	M	-122.79937710000	45.61119189000	58
0	0	0.3		3	20 Y	N	N	N	N	M	-122.80250150000	45.61001065000	44
0	0	0.3		3	23 Y	N	N	N	N	M	-122.79831370000	45.61155532000	36
0	0	0.3		3	13 Y	N	N	N	N	M	-122.79831590000	45.61170331000	20
0	0	0.3		3	18 Y	N	N	N	N	M	-122.79837960000	45.61166239000	28
0	0	0.3		3	20 Y	N	N	N	N	M	-122.79748500000	45.61047481000	30
0	0	0.3		3	20 Y	N	N	N	N	M	-122.79843570000	45.61167980000	30
0	0	0.3		3	22 Y	N	N	N	N	M	-122.79842380000	45.61167843000	34
0	0	0.3		3	17 Y	N	N	N	N	M	-122.79833590000	45.61177650000	26
0	0	0.3		3	16 Y	N	N	N	N	M	-122.79834790000	45.61148254000	24
0	0	0.2		3	16 Y	N	N	N	N	M	-122.79922120000	45.61051632000	24



0	0	0 3	3	13 Y	N	N	N	M	-122.79813370000	45.61166448000	20
0	0	0 3	3	16 Y	N	N	N	M	-122.79989430000	45.60977374000	24
0	0	0 D	3	16 Y	N	N	N	M	-122.79763280000	45.61088095000	24
0	0	0 3	3	13 Y	N	N	N	M	-122.79777775000	45.61246117000	20
0	0	0 3	3	22 Y	N	N	N	M	-122.79918830000	45.61050262000	34
0	0	0 3	3	23 Y	N	N	N	M	-122.79826030000	45.61056240000	36
5	0	0 3	3	31 Y	N	N	N	M	-122.79908430000	45.61046688000	48
0	0	0 3	3	16 Y	N	N	Y	M	-122.79706460000	45.61084545000	24
0	0	0 3	3	21 Y	N	N	N	M	-122.79797330000	45.61134685000	32
0	0	0 3	3	21 Y	N	N	N	M	-122.80259060000	45.61011627000	32
0	0	0 4	3	25 Y	N	N	N	M	-122.79890730000	45.6118721000	38
0	0	0 1	3	26 Y	N	N	N	M	-122.79899870000	45.61053132000	40
0	0	0 4	3	26 Y	N	N	N	M	-122.79888870000	45.61038745000	40
0	0	0 3	3	21 Y	N	N	N	M	-122.80255019000	45.61011521000	32
0	0	0 3	3	34 Y	N	N	N	M	-122.79908870000	45.61046248000	52
0	0	0 3	3	36 Y	N	N	N	M	-122.80198160000	45.61020962000	56
0	0	0 1	3	20 Y	N	N	N	M	-122.79845950000	45.61217654000	30
0	0	0 3	3	21 Y	N	N	N	M	-122.79840200000	45.61211447000	32
0	0	0 3	3	22 Y	N	N	N	M	-122.79844930000	45.61216043000	34
0	0	0 2	3	25 Y	N	N	N	M	-122.79920220000	45.61051392000	38
0	0	0 4	3	27 Y	N	N	N	M	-122.79900320000	45.6119077000	42
0	0	0 D	3	8 Y	N	N	N	M	-122.79932550000	45.61152452000	12
0	0	0 3	3	17 Y	N	N	N	M	-122.79780900000	45.61260912000	26
0	0	0 D	3	13 Y	N	N	N	M	-122.80279630000	45.61012984000	20
0	0	0 D	3	12 Y	N	N	N	M	-122.79931810000	45.61051105000	18

Retain	RPZ	SPECIES	BPA_Owned	OBJECTID	TAG_ID_	MULTISTEM	CONDITION	NOTES	DBH	MS1	MS2	MS3	MS4	MS5	MS6
No	9	Bigleaf Maple	Yes	19	518	NO	Healthy		9	0	0	0	0	0	0
No	12	Bigleaf Maple	Yes	35	533	NO	Healthy		12	0	0	0	0	0	0
No	12	Bigleaf Maple	Yes	50	561	YES	Healthy		9	7	0	0	0	0	0
No	14	Bigleaf Maple	Yes	30	528	YES	Poor		10	9	0	0	0	0	0
No	14	Bigleaf Maple	Yes	451	392	NO	Poor		14	0	0	0	0	0	0
No	15	Bigleaf Maple	Yes	60	571	NO	Healthy		15	0	0	0	0	0	0
No	18	Bigleaf Maple	Yes	21	521	NO	Healthy		18	0	0	0	0	0	0
No	20	Bigleaf Maple	Yes	496	437	NO	LIVING		20	0	0	0	0	0	0
No	22	Bigleaf Maple	Yes	58	569	YES	Healthy		15	8	7	0	0	0	0
No	26	Bigleaf Maple	Yes	53	564	YES	Healthy		15	13	10	0	0	0	0
No	27	Bigleaf Maple	Yes	543	484	YES	LIVING		14	14	12	0	0	0	0
No	33	Bigleaf Maple	Yes	594	589	YES	HEALTHY		22	16	6	0	0	0	0
No	55	Bigleaf Maple	Yes	580	573	YES	HEALTHY		27	15	15	13	13	0	0
No	98	Bigleaf Maple	Yes	29	527	NO	Poor		98	0	0	0	0	0	0
No	7	Cascara	Yes	581	574	NO	HEALTHY	Tree or shrub?	7	0	0	0	0	0	0
No	7	Cherry	Yes	582	575	NO	HEALTHY		7	0	0	0	0	0	0
No	10	Cherry	Yes	583	576	NO	HEALTHY		10	0	0	0	0	0	0
No	8	Douglas Fir	Yes	33	531	NO	Poor		8	0	0	0	0	0	0
No	8	Douglas Fir	Yes	54	565	NO	Healthy		8	0	0	0	0	0	0
No	8	Douglas Fir	Yes	579	572	NO	HEALTHY		8	0	0	0	0	0	0
No	9	Douglas Fir	Yes	27	525	NO	Poor		9	0	0	0	0	0	0
No	9	Douglas Fir	Yes	28	526	NO	Poor		9	0	0	0	0	0	0
No	9	Douglas Fir	Yes	36	534	NO	Healthy		9	0	0	0	0	0	0
No	10	Douglas Fir	Yes	22	522	NO	Healthy		10	0	0	0	0	0	0
No	10	Douglas Fir	Yes	26	524	NO	Healthy		10	0	0	0	0	0	0
No	10	Douglas Fir	Yes	124	64	NO	LIVING		10	0	0	0	0	0	0
No	10	Douglas Fir	Yes	495	436	NO	LIVING		10	0	0	0	0	0	0
No	11	Douglas Fir	Yes	49	560	NO	Healthy		11	0	0	0	0	0	0
No	13	Douglas Fir	Yes	31	529	NO	Poor		13	0	0	0	0	0	0
No	14	Douglas Fir	Yes	123	63	NO	LIVING		14	0	0	0	0	0	0
No	15	Douglas Fir	Yes	52	563	NO	Healthy		15	0	0	0	0	0	0
No	15	Douglas Fir	Yes	126	66	NO	LIVING		15	0	0	0	0	0	0
No	15	Douglas Fir	Yes	493	434	NO	LIVING		15	0	0	0	0	0	0
No	18	Douglas Fir	Yes	55	566	NO	Healthy		18	0	0	0	0	0	0
No	22	Douglas Fir	Yes	32	530	NO	Healthy		22	0	0	0	0	0	0
No	22	Douglas Fir	Yes	497	438	NO	LIVING		22	0	0	0	0	0	0
No	24	Douglas Fir	Yes	25	523	NO	Healthy		24	0	0	0	0	0	0
No	24	Douglas Fir	Yes	56	567	NO	Healthy		24	0	0	0	0	0	0
No	25	Douglas Fir	Yes	48	559	NO	Healthy		25	0	0	0	0	0	0
No	26	Douglas Fir	Yes	51	562	NO	Healthy		26	0	0	0	0	0	0
No	28	Douglas Fir	Yes	20	519	NO	Healthy		28	0	0	0	0	0	0
No	29	Douglas Fir	Yes	494	435	NO	LIVING		29	0	0	0	0	0	0
No	30	Oak	Yes	132	72	YES	LIVING		22	16	0	0	0	0	0
No	18	Other	Yes	704	585	NO	HEALTHY		18	0	0	0	0	0	0
No	10	Red Alder	Yes	590	590	NO	HEALTHY		10	0	0	0	0	0	0
No	14	Red Alder	Yes	589	586	NO	HEALTHY		14	0	0	0	0	0	0
No	15	Red Alder	Yes	57	568	NO	Healthy		15	0	0	0	0	0	0
No	15	Red Alder	Yes	595	587	NO	HEALTHY		15	0	0	0	0	0	0
No	17	Red Alder	Yes	593	588	NO	HEALTHY		17	0	0	0	0	0	0
No	20	Red Alder	Yes	591	591	YES	HEALTHY		13	11	2	0	0	0	0
No	12	Red Cedar	Yes	592	584	NO	HEALTHY		12	0	0	0	0	0	0
No	12	Salix lasioandra	Yes	37	535	NO	Poor		12	0	0	0	0	0	0
No	10	Vine Maple	Yes	584	577	NO	HEALTHY	Not a tree	10	0	0	0	0	0	0

No	12	Yew	Yes	18	520		NO	Healthy		12	0	0	0	0	0	0
No/Dead	12	Spruce	Yes	59	570		NO	DEAD		12	0	0	0	0	0	0

Health_Rat	Structure	Canopy_Dia	Developmen	Street_Tro	Previous_I	Invasive_L	Constructi	x	y	F_
3	3	12 Y	N	N	N	N	M	-122.79995510000	45.60973896000	18
3	3	16 Y	N	N	N	N	M	-122.79926590000	45.61044891000	24
3	3	12 Y	N	N	N	N	M	-122.79785660000	45.61045181000	18
1	3	13 Y	N	N	N	N	M	-122.79972580000	45.60984740000	20
2	3	18 Y	N	N	N	N	M	-122.79931220000	45.61137923000	28
3	3	20 Y	N	N	N	N	M	-122.79763570000	45.61088986000	30
3	3	23 Y	N	N	N	N	M	-122.79980790000	45.60973333000	36
3	3	25 Y	N	N	N	N	M	-122.79926140000	45.61116354000	40
3	3	20 Y	N	N	N	N	M	-122.79736740000	45.61061543000	30
3	3	20 Y	N	N	N	N	M	-122.79771080000	45.61045393000	30
3	3	18 Y	N	N	N	N	M	-122.79843530000	45.61361290000	28
3	3	29 Y	N	N	N	N	M	-122.79843800000	45.61168656000	44
3	3	35 Y	N	N	N	N	M	-122.79797300000	45.61132704000	54
1	3	127 Y	N	N	N	N	M	-122.79968240000	45.60984402000	196
3	3	9 Y	N	N	N	N	M	-122.79799920000	45.61150611000	14
3	3	9 Y	N	N	N	N	M	-122.79801030000	45.61160348000	14
3	3	13 Y	N	N	N	N	M	-122.79805180000	45.61158579000	20
1	3	10 Y	N	N	N	N	M	-122.79930840000	45.61029988000	16
3	3	10 Y	N	N	N	N	M	-122.79770970000	45.61042069000	16
3	3	10 Y	N	N	N	N	M	-122.79803370000	45.61122421000	16
1	3	12 Y	N	N	N	N	M	-122.79970280000	45.60974883000	18
1	3	12 Y	N	N	N	N	M	-122.79968340000	45.60983541000	18
3	3	12 Y	N	N	N	N	M	-122.79920560000	45.61048488000	18
3	3	13 Y	N	N	N	N	M	-122.79976240000	45.60969700000	20
3	3	13 Y	N	N	N	N	M	-122.79970350000	45.60970206000	20
3	3	13 Y	N	N	N	N	M	-122.80196770000	45.60994075000	20
3	3	13 Y	N	N	N	N	M	-122.79927260000	45.61118123000	20
3	3	14 Y	N	N	N	N	M	-122.79797860000	45.61047479000	22
1	3	17 Y	N	N	N	N	M	-122.79975850000	45.60982963000	26
3	3	18 Y	N	N	N	N	M	-122.80198390000	45.60994167000	28
3	3	20 Y	N	N	N	N	M	-122.79783280000	45.61045941000	30
3	3	20 Y	N	N	N	N	M	-122.80265020000	45.61015428000	30
3	3	20 Y	N	N	N	N	M	-122.79935720000	45.61120773000	30
3	3	23 Y	N	N	N	N	M	-122.79762430000	45.61041698000	36
4	3	29 Y	N	N	N	N	M	-122.79974260000	45.60983947000	44
4	3	29 Y	N	N	N	N	M	-122.79920640000	45.61127382000	44
3	3	31 Y	N	N	N	N	M	-122.79966520000	45.60978309000	48
3	3	31 Y	N	N	N	N	M	-122.79728480000	45.61036917000	48
3	3	33 Y	N	N	N	N	M	-122.79808110000	45.61045071000	50
3	3	34 Y	N	N	N	N	M	-122.79783610000	45.61042049000	52
3	3	35 Y	N	N	N	N	M	-122.79993440000	45.60977906000	56
3	3	38 Y	N	N	N	N	M	-122.79937710000	45.61119189000	58
3	3	29 Y	N	N	N	N	M	-122.80250150000	45.61001065000	44
3	3	23 Y	N	N	N	N	M	-122.79831370000	45.61155532000	36
3	3	13 Y	N	N	N	N	M	-122.79831690000	45.61170331000	20
3	3	18 Y	N	N	N	N	M	-122.79837960000	45.61166239000	28
3	3	20 Y	N	N	N	N	M	-122.79748600000	45.61047481000	30
3	3	20 Y	N	N	N	N	M	-122.79842670000	45.61167980000	30
3	3	22 Y	N	N	N	N	M	-122.79842980000	45.61167843000	34
3	3	17 Y	N	N	N	N	M	-122.79833590000	45.61177659000	26
3	3	15 Y	N	N	N	N	M	-122.79834790000	45.61148254000	24
2	3	15 Y	N	N	N	N	M	-122.79922120000	45.61051632000	24
3	3	13 Y	N	N	N	N	M	-122.79813070000	45.61166448000	20



3		3	15 Y	N	N	N	M	-122.79980430000	45.60077374000	24
D		3	15 Y	N	N	N	M	-122.79763280000	45.61088099000	24

OBJECTID	SPECIES	TAG ID	Retain	MULTISTEM	CONDITION	NOTES	RPZ	MS1	MS2	MS3	MS4	MS5	MS6	DBH	SPECIES_1	TAG ID1	Status	Health_Rat	Structure	Canopy_Dia	Developmen	Street_Tre	Previous_I	Invasive_L	Constructi	Arborist_N
4	Douglas Fir	996	Yes	NO	Healthy		16	0	0	0	0	0	0	16	Douglas Fir	996		3		3	21 Y	N	N	N	N	M
14	Douglas Fir	540	Yes	NO	Poor		20	0	0	0	0	0	0	20	Douglas Fir	540		1		3	26 Y	N	N	N	N	M
15	Douglas Fir	539	Yes	NO	Healthy		26	0	0	0	0	0	0	26	Douglas Fir	539		3		3	34 Y	N	N	N	N	M
16	Bigleaf Maple	538	Yes	YES	Healthy		42	12	11	8	5	0	0	24	Bigleaf Maple	538		3		3	31 Y	N	N	N	N	M
17	Bigleaf Maple	537	Yes	YES	Healthy		28	12	9	0	0	0	0	17	Bigleaf Maple	537		3		3	22 Y	N	N	N	N	M
18	Other	520	No	NO	Healthy	Yew	12	0	0	0	0	0	0	12	Other	520		3		3	16 Y	N	N	N	N	M
19	Bigleaf Maple	518	No	NO	Healthy		9	0	0	0	0	0	0	9	Bigleaf Maple	518		3		3	12 Y	N	N	N	N	M
20	Douglas Fir	519	No	NO	Healthy		28	0	0	0	0	0	0	28	Douglas Fir	519		3		3	36 Y	N	N	N	N	M
21	Bigleaf Maple	521	No	NO	Healthy		18	0	0	0	0	0	0	18	Bigleaf Maple	521		3		3	23 Y	N	N	N	N	M
22	Douglas Fir	522	No	NO	Healthy		10	0	0	0	0	0	0	10	Douglas Fir	522		3		3	13 Y	N	N	N	N	M
25	Douglas Fir	523	No	NO	Healthy		24	0	0	0	0	0	0	24	Douglas Fir	523		3		3	31 Y	N	N	N	N	M
26	Douglas Fir	524	No	NO	Healthy		10	0	0	0	0	0	0	10	Douglas Fir	524		3		3	13 Y	N	N	N	N	M
27	Douglas Fir	525	No	NO	Poor		9	0	0	0	0	0	0	9	Douglas Fir	525		1		3	12 Y	N	N	N	N	M
28	Douglas Fir	526	No	NO	Poor		9	0	0	0	0	0	0	9	Douglas Fir	526		1		3	12 Y	N	N	N	N	M
29	Bigleaf Maple	527	No	NO	Poor		98	0	0	0	0	0	0	98	Bigleaf Maple	527		1		3	127 Y	N	N	N	N	M
30	Bigleaf Maple	528	No	YES	Poor		14	9	0	0	0	0	0	10	Bigleaf Maple	528		1		3	13 Y	N	N	N	N	M
31	Douglas Fir	529	No	NO	Poor		13	0	0	0	0	0	0	13	Douglas Fir	529		1		3	17 Y	N	N	N	N	M
32	Douglas Fir	530	No	NO	Healthy		22	0	0	0	0	0	0	22	Douglas Fir	530		4		3	29 Y	N	N	N	N	M
33	Douglas Fir	531	No	NO	Poor		8	0	0	0	0	0	0	8	Douglas Fir	531		1		3	10 Y	N	N	N	N	M
34	Red Cedar	532	Yes/Dead	NO	DEAD		9	0	0	0	0	0	0	9	Red Cedar	532	Dead	D		3	12 Y	N	N	N	N	M
35	Bigleaf Maple	533	No	NO	Healthy		12	0	0	0	0	0	0	12	Bigleaf Maple	533		3		3	16 Y	N	N	N	N	M
36	Douglas Fir	534	No	NO	Healthy		9	0	0	0	0	0	0	9	Douglas Fir	534		3		3	12 Y	N	N	N	N	M
37	Other	535	No	NO	Poor	Salix lasiandra	12	0	0	0	0	0	0	12	Yew	535		2		3	16 Y	N	N	N	N	M
38	Red Alder	536	Yes	NO	Poor		19	0	0	0	0	0	0	19	Red Alder	536		2		3	25 Y	N	N	N	N	M
39	Douglas Fir	542	Yes	NO	Healthy		20	0	0	0	0	0	0	20	Douglas Fir	542		4		3	26 Y	N	N	N	N	M
45	Bigleaf Maple	554	Yes	YES	Healthy		40	18	13	13	0	0	0	18	Bigleaf Maple	554		3		3	23 Y	N	N	N	N	M
48	Douglas Fir	559	No	NO	Healthy		25	0	0	0	0	0	0	25	Douglas Fir	559		3		3	33 Y	N	N	N	N	M
49	Douglas Fir	560	No	NO	Healthy		11	0	0	0	0	0	0	11	Douglas Fir	560		3		3	14 Y	N	N	N	N	M
50	Bigleaf Maple	561	No	YES	Healthy		12	7	0	0	0	0	0	9	Bigleaf Maple	561		3		3	12 Y	N	N	N	N	M
51	Douglas Fir	562	No	NO	Healthy		26	0	0	0	0	0	0	26	Douglas Fir	562		3		3	34 Y	N	N	N	N	M
52	Douglas Fir	563	No	NO	Healthy		15	0	0	0	0	0	0	15	Douglas Fir	563		3		3	20 Y	N	N	N	N	M
53	Bigleaf Maple	564	No	YES	Healthy		26	13	10	0	0	0	0	15	Bigleaf Maple	564		3		3	20 Y	N	N	N	N	M
54	Douglas Fir	565	No	NO	Healthy		8	0	0	0	0	0	0	8	Douglas Fir	565		3		3	10 Y	N	N	N	N	M
55	Douglas Fir	566	No	NO	Healthy		18	0	0	0	0	0	0	18	Douglas Fir	566		3		3	23 Y	N	N	N	N	M
56	Douglas Fir	567	No	NO	Healthy		24	0	0	0	0	0	0	24	Douglas Fir	567		3		3	31 Y	N	N	N	N	M
57	Red Alder	568	No	NO	Healthy		15	0	0	0	0	0	0	15	Red Alder	568		3		3	20 Y	N	N	N	N	M
58	Bigleaf Maple	569	No	YES	Healthy		22	8	7	0	0	0	0	15	Bigleaf Maple	569		3		3	20 Y	N	N	N	N	M
59	Other	570	No/Dead	NO	DEAD	Spruce	12	0	0	0	0	0	0	12	Spruce	570	Dead	D		3	16 Y	N	N	N	N	M
60	Bigleaf Maple	571	No	NO	Healthy		15	0	0	0	0	0	0	15	Bigleaf Maple	571		3		3	20 Y	N	N	N	N	M
123	Douglas Fir	63	No	NO	LIVING		14	0	0	0	0	0	0	14	Douglas Fir	63		3		3	18 Y	N	N	N	N	M
124	Douglas Fir	64	No	NO	LIVING		10	0	0	0	0	0	0	10	Douglas Fir	64		3		3	13 Y	N	N	N	N	M
125	Douglas Fir	65	Yes/Dead	NO	DEAD		10	0	0	0	0	0	0	10	Douglas Fir	65	Dead	D		3	13 Y	N	N	N	N	M
126	Douglas Fir	66	No	NO	LIVING		15	0	0	0	0	0	0	15	Douglas Fir	66		3		3	20 Y	N	N	N	N	M
132	Oak	72	No	YES	LIVING		30	16	0	0	0	0	0	22	Oak	72		3		3	29 Y	N	N	N	N	M
133	Douglas Fir	73	Yes	NO	LIVING		16	0	0	0	0	0	0	16	Douglas Fir	73		3		3	21 Y	N	N	N	N	M
134	Douglas Fir	74	Yes	YES	LIVING		22	12	0	0	0	0	0	16	Douglas Fir	74		3		3	21 Y	N	N	N	N	M
174	Douglas Fir	115	Yes	NO	LIVING		28	0	0	0	0	0	0	28	Douglas Fir	115		3		3	36 Y	N	N	N	N	M
450	Red Cedar	391	Yes	YES	DEAD		9	6	0	0	0	0	0	6	Red Cedar	391		D		3	8 Y	N	N	N	N	M
451	Bigleaf Maple	392	No	NO	Poor		14	0	0	0	0	0	0	14	Bigleaf Maple	392		2		3	18 Y	N	N	N	N	M
493	Grand Fir	434	No	NO	LIVING		15	0	0	0	0	0	0	15	Douglas Fir	434		3		3	20 Y	N	N	N	N	M
494	Douglas Fir	435	No	NO	LIVING		29	0	0	0	0	0	0	29	Douglas Fir	435		3		3	38 Y	N	N	N	N	M
495	Douglas Fir	436	No	NO	LIVING		10	0	0	0	0	0	0	10	Douglas Fir	436		3		3	13 Y	N	N	N	N	M
496	Bigleaf Maple	437	No	NO	LIVING		20	0	0	0	0	0	0	20	Bigleaf Maple	437		3		3	26 Y	N	N	N	N	M

497 Douglas Fir	438 No	NO	LIVING		22	0	0	0	0	0	0	22 Douglas Fir	438	4		3	29 Y	N	N	N	M	
535 Cherry	476 Yes	NO	LIVING		12	0	0	0	0	0	0	12 Cherry	476	3		3	16 Y	N	N	Y	M	
543 Bigleaf Maple	484 No	YES	LIVING		27	14	12	0	0	0	0	14 Bigleaf Maple	484	3		3	18 Y	N	N	N	M	
575 Red Cedar	516 Yes	NO	LIVING		13	0	0	0	0	0	0	13 Red Cedar	516	3		3	17 Y	N	N	N	M	
576 Bigleaf Maple	517 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Bigleaf Maple	517	3		3	13 Y	N	N	N	M	
579 Douglas Fir	572 No	NO	HEALTHY		8	0	0	0	0	0	0	8 Douglas Fir	572	3		3	10 Y	N	N	N	M	
580 Bigleaf Maple	573 No	YES	HEALTHY		55	15	15	13	13	0	0	27 Bigleaf Maple	573	3		3	35 Y	N	N	N	M	
581 Other	574 No	NO	HEALTHY	Cascara	7	0	0	0	0	0	0	7 Cascara	574	3		3	9 Y	N	N	N	M	
582 Cherry	575 No	NO	HEALTHY		7	0	0	0	0	0	0	7 Cherry	575	3		3	9 Y	N	N	Y	M	
583 Cherry	576 No	NO	HEALTHY		10	0	0	0	0	0	0	10 Cherry	576	3		3	13 Y	N	N	Y	M	
584 Other	577 No	NO	HEALTHY		10	0	0	0	0	0	0	10 Vine Maple	577	3		3	13 Y	N	N	N	M	
589 Red Alder	586 No	NO	HEALTHY		14	0	0	0	0	0	0	14 Red Alder	586	3		3	18 Y	N	N	N	M	
590 Red Alder	590 No	NO	HEALTHY		10	0	0	0	0	0	0	10 Red Alder	590	3		3	13 Y	N	N	N	M	
591 Red Alder	591 No	YES	HEALTHY		20	11	2	0	0	0	0	13 Red Alder	591	3		3	17 Y	N	N	N	M	
592 Red Cedar	584 No	NO	HEALTHY		12	0	0	0	0	0	0	12 Red Cedar	584	3		3	16 Y	N	N	N	M	
593 Red Alder	588 No	NO	HEALTHY		17	0	0	0	0	0	0	17 Red Alder	588	3		3	22 Y	N	N	N	M	
594 Bigleaf Maple	589 No	YES	HEALTHY		33	16	6	0	0	0	0	22 Bigleaf Maple	589	3		3	29 Y	N	N	N	M	
595 Red Alder	587 No	NO	HEALTHY		15	0	0	0	0	0	0	15 Red Alder	587	3		3	20 Y	N	N	N	M	
596 Bigleaf Maple	592 Yes	NO	HEALTHY		7	0	0	0	0	0	0	7 Bigleaf Maple	592	3		3	9 Y	N	N	N	M	
597 Red Alder	593 Yes	NO	HEALTHY		16	0	0	0	0	0	0	16 Red Alder	593	3		3	21 Y	N	N	N	M	
598 Red Alder	594 Yes	NO	POOR		15	0	0	0	0	0	0	15 Red Alder	594	1		3	20 Y	N	N	N	M	
599 Red Alder	595 Yes	NO	HEALTHY		17	0	0	0	0	0	0	17 Red Alder	595	3		3	22 Y	N	N	N	M	
629 Red Alder	624 Yes	YES	HEALTHY		27	12	0	0	0	0	0	21 Red Alder	624	4		3	27 Y	N	N	N	M	
630 Douglas Fir	625 Yes	NO	HEALTHY		19	0	0	0	0	0	0	19 Douglas Fir	625	4		3	25 Y	N	N	N	M	
704 Other	585 No	NO	HEALTHY		18	0	0	0	0	0	0	18 Other	585	3		3	23 Y	N	N	N	M	
1 Douglas Fir	999 No	NO	Healthy		38	0	0	0	0	0	0	38 Douglas Fir	999	4		3	49 Y	N	N	N	M	
2 Douglas Fir	998 No	NO	Healthy		20	0	0	0	0	0	0	20 Douglas Fir	998	4		3	26 Y	N	N	N	M	
3 Douglas Fir	997 No	NO	Healthy		20	0	0	0	0	0	0	20 Douglas Fir	997	4		3	26 Y	N	N	N	M	
5 Douglas Fir	556 No	NO	Healthy		28	0	0	0	0	0	0	28 Douglas Fir	556	3		3	36 Y	N	N	N	M	
6 Bigleaf Maple	557 Yes	YES	Healthy		55	13	12	12	11	0	0	31 Bigleaf Maple	557	3		3	40 Y	N	N	N	M	
7 Grand Fir	551 Yes	NO	Healthy		30	0	0	0	0	0	0	30 Douglas Fir	551	4		3	39 Y	N	N	N	M	
8 Grand Fir	550 Yes	NO	Healthy		12	0	0	0	0	0	0	12 Douglas Fir	550	4		3	16 Y	N	N	N	M	
9 Douglas Fir	552 Yes	NO	Healthy		24	0	0	0	0	0	0	24 Douglas Fir	552	4		3	31 Y	N	N	N	M	
10 Hemlock	553 Yes	NO	Healthy		22	0	0	0	0	0	0	22 Hemlock	553	4		3	29 Y	N	N	N	M	
11 Douglas Fir	549 Yes	NO	Healthy		14	0	0	0	0	0	0	14 Douglas Fir	549	4		3	18 Y	N	N	N	M	
12 Other	548 Yes	NO	Healthy	Salix lasiandra	26	0	0	0	0	0	0	26 Willow	548	3		3	36 Y	N	N	N	M	
13 Bigleaf Maple	547 Yes	YES	Healthy		25	8	6	0	0	0	0	18 Bigleaf Maple	547	3		3	23 Y	N	N	N	M	
23 Oak	995 Yes	NO	Healthy		30	0	0	0	0	0	0	30 Oak	995	3		3	39 Y	N	N	N	M	
24 Oak	994 No	NO	Healthy		51	0	0	0	0	0	0	51 MAPLE	994	3		3	66 Y	N	N	N	M	
40 Douglas Fir	543 Yes	NO	Healthy		30	0	0	0	0	0	0	30 Douglas Fir	543	4		3	39 Y	N	N	N	M	
41 Douglas Fir	541 Yes	NO	Poor		35	0	0	0	0	0	0	35 Douglas Fir	541	2		3	46 Y	N	N	N	M	
42 Red Alder	544 Yes	NO	Healthy		12	0	0	0	0	0	0	12 Red Alder	544	3		3	16 Y	N	N	N	M	
43 Other	545 Yes	NO	Healthy	Salix lasiandra	6	0	0	0	0	0	0	6 Willow	545	3		3	8 Y	N	N	N	M	
44 Red Alder	546 Yes	NO	Healthy		8	0	0	0	0	0	0	8 Red Alder	546	3		3	10 Y	N	N	N	M	
46 Bigleaf Maple	555 Yes	NO	Healthy		12	0	0	0	0	0	0	12 Bigleaf Maple	555	3		3	16 Y	N	N	N	M	
47 Douglas Fir	558 No	NO	Healthy		27	0	0	0	0	0	0	27 Douglas Fir	558	3		3	35 Y	N	N	N	M	
61 Oak	1 No	YES	LIVING		72	36	0	0	0	0	0	54 Oak	1	4		3	70 Y	N	N	N	M	
62 Other	2 No	NO	LIVING		11	0	0	0	0	0	0	11 Other	2	4		3	14 Y	N	N	N	M	
63 Douglas Fir	3 No	NO	LIVING		11	0	0	0	0	0	0	11 Douglas Fir	3	4		3	14 Y	N	N	N	M	
64 Cherry	4 Yes/Dead	NO	DEAD		53	0	0	0	0	0	0	53 Cherry	4 Dead	D		3	69 Y	N	N	N	M	
65 Douglas Fir	5 No	NO	LIVING		11	0	0	0	0	0	0	11 Douglas Fir	5	3		3	14 Y	N	N	N	M	
66 Red Cedar	6 No	NO	LIVING		24	0	0	0	0	0	0	24 Red Cedar	6	3		3	31 Y	N	N	N	M	
67 Red Alder	7 No	NO	LIVING		15	0	0	0	0	0	0	15 Red Alder	7	3		3	20 Y	N	N	N	M	
68 Douglas Fir	8 Topper1	NO	LIVING		38	0	0	0	0	0	0	38 Douglas Fir	8	3		3	49 Y	N	N	N	M	

69 Douglas Fir	9 No	NO	LIVING	36	0	0	0	0	0	0	36 Douglas Fir	9	3	3	47 Y	N	N	N	M	
70 Red Alder	10 Topped	NO	LIVING	34	0	0	0	0	0	0	34 Red Alder	10	3	3	44 Y	N	N	N	M	
71 Cherry	11 No	NO	LIVING	38	0	0	0	0	0	0	38 Cherry	11	3	3	49 Y	N	N	Y	M	
72 Cherry	12 No	NO	LIVING	12	0	0	0	0	0	0	12 Cherry	12	3	3	16 Y	N	N	Y	M	
73 Cherry	13 No	NO	LIVING	12	0	0	0	0	0	0	12 Cherry	13	3	3	16 Y	N	N	Y	M	
74 Douglas Fir	14 No	NO	LIVING	34	0	0	0	0	0	0	34 Douglas Fir	14	3	3	44 Y	N	N	N	M	
75 Douglas Fir	15 No	NO	LIVING	38	0	0	0	0	0	0	38 Douglas Fir	15	3	3	49 Y	N	N	N	M	
76 Douglas Fir	16 Yes	YES	LIVING	17	6	0	0	0	0	0	14 Douglas Fir	16	4	3	18 Y	N	N	N	M	
77 Bigleaf Maple	17 Yes	NO	LIVING	34	0	0	0	0	0	0	34 Bigleaf Maple	17	3	3	44 Y	N	N	N	M	
78 Douglas Fir	18 Yes	NO	LIVING	8	0	0	0	0	0	0	8 Douglas Fir	18	3	3	10 Y	N	N	N	M	
79 Douglas Fir	19 Yes	NO	LIVING	14	0	0	0	0	0	0	14 Douglas Fir	19	3	3	18 Y	N	N	N	M	
80 Douglas Fir	20 Topped	NO	LIVING	26	0	0	0	0	0	0	26 Douglas Fir	20 Topped	3	3	34 Y	N	N	N	M	Top @ 60'
81 Douglas Fir	21 No	NO	LIVING	10	0	0	0	0	0	0	10 Douglas Fir	21	3	3	13 Y	N	N	N	M	
82 Douglas Fir	22 No	NO	LIVING	24	0	0	0	0	0	0	24 Douglas Fir	22	3	3	31 Y	N	N	N	M	
83 Douglas Fir	23 Yes/Dead	NO	DEAD	16	0	0	0	0	0	0	16 Douglas Fir	23 Dead	D	3	21 Y	N	N	N	M	
84 Douglas Fir	24 No	NO	LIVING	18	0	0	0	0	0	0	18 Douglas Fir	24	4	3	23 Y	N	N	N	M	
85 Douglas Fir	25 No	NO	LIVING	16	0	0	0	0	0	0	16 Douglas Fir	25	4	3	21 Y	N	N	N	M	
86 Red Alder	26 Yes/Dead	NO	DEAD	14	0	0	0	0	0	0	14 Red Alder	26 Dead	D	3	18 Y	N	N	N	M	
87 Red Alder	27 No	NO	Poor	20	0	0	0	0	0	0	20 Red Alder	27	1	3	26 Y	N	N	N	M	
88 Bigleaf Maple	28 Yes	NO	LIVING	40	0	0	0	0	0	0	40 Bigleaf Maple	28	3	3	52 Y	N	N	N	M	
89 Douglas Fir	29 Yes	NO	LIVING	32	0	0	0	0	0	0	32 Douglas Fir	29	3	3	42 Y	N	N	N	M	
90 Bigleaf Maple	30 Yes	NO	LIVING	32	0	0	0	0	0	0	32 Bigleaf Maple	30	3	3	42 Y	N	N	N	M	
91 Red Cedar	31 Yes	NO	LIVING	10	0	0	0	0	0	0	10 Red Cedar	31	3	3	13 Y	N	N	N	M	
92 Douglas Fir	32 Yes	NO	LIVING	42	0	0	0	0	0	0	42 Douglas Fir	32	3	3	55 Y	N	N	N	M	
93 Douglas Fir	33 Yes	NO	LIVING	8	0	0	0	0	0	0	8 Douglas Fir	33	3	3	10 Y	N	N	N	M	
94 Douglas Fir	34 Topped	NO	LIVING	38	0	0	0	0	0	0	38 Douglas Fir	34 Topped	3	3	49 Y	N	N	N	M	Top @ 60'
95 Red Cedar	35 Yes	NO	LIVING	7	0	0	0	0	0	0	7 Red Cedar	35	3	3	9 Y	N	N	N	M	
96 Douglas Fir	36 No	NO	LIVING	44	0	0	0	0	0	0	44 Douglas Fir	36	3	3	57 Y	N	N	N	M	
97 Douglas Fir	37 No	NO	Poor	16	0	0	0	0	0	0	16 Douglas Fir	37	2	3	21 Y	N	N	N	M	
98 Douglas Fir	38 No	NO	LIVING	38	0	0	0	0	0	0	38 Douglas Fir	38	4	3	49 Y	N	N	N	M	
99 Douglas Fir	39 No	NO	LIVING	34	0	0	0	0	0	0	34 Douglas Fir	39	4	3	44 Y	N	N	N	M	
100 Douglas Fir	40 Topped	NO	LIVING	43	0	0	0	0	0	0	43 Douglas Fir	40 Topped	4	3	56 Y	N	N	N	M	Top @ 60'
101 Red Cedar	41 Yes	NO	LIVING	10	0	0	0	0	0	0	10 Red Cedar	41	4	3	13 Y	N	N	N	M	
102 Douglas Fir	42 Topped	NO	LIVING	25	0	0	0	0	0	0	25 Douglas Fir	42 Topped	4	3	33 Y	N	N	N	M	Top @ 60'
103 Douglas Fir	43 Topped	NO	LIVING	40	0	0	0	0	0	0	40 Douglas Fir	43 Topped	4	3	52 Y	N	N	N	M	Top @ 60'
104 Red Alder	44 No	YES	LIVING	25	12	10	0	0	0	0	14 Red Alder	44	3	3	18 Y	N	N	N	M	
105 Red Cedar	45 No	NO	LIVING	14	0	0	0	0	0	0	14 Red Cedar	45	3	3	18 Y	N	N	N	M	
106 Douglas Fir	46 Topped	NO	LIVING	26	0	0	0	0	0	0	26 Douglas Fir	46 Topped	4	3	34 Y	N	N	N	M	Top @ 60'
107 Bigleaf Maple	47 Topped	NO	LIVING	10	0	0	0	0	0	0	10 Bigleaf Maple	47	3	3	13 Y	N	N	N	M	
108 Hemlock	48 No	NO	LIVING	28	0	0	0	0	0	0	28 Hemlock	48	4	3	36 Y	N	N	N	M	
109 Douglas Fir	49 Topped	NO	LIVING	30	0	0	0	0	0	0	30 Douglas Fir	49	3	3	39 Y	N	N	N	M	
110 Douglas Fir	50 Topped	NO	LIVING	19	0	0	0	0	0	0	19 Douglas Fir	50	3	3	25 Y	N	N	N	M	
111 Douglas Fir	51 No	NO	LIVING	24	0	0	0	0	0	0	24 Douglas Fir	51	4	3	31 Y	N	N	N	M	
112 Douglas Fir	52 No	NO	LIVING	15	0	0	0	0	0	0	15 Douglas Fir	52	3	3	20 Y	N	N	N	M	
113 Douglas Fir	53 No	NO	LIVING	28	0	0	0	0	0	0	28 Douglas Fir	53	3	3	36 Y	N	N	N	M	
114 Douglas Fir	54 No	NO	LIVING	20	0	0	0	0	0	0	20 Douglas Fir	54	3	3	26 Y	N	N	N	M	
115 Red Alder	55 No	NO	LIVING	8	0	0	0	0	0	0	8 Red Alder	55	3	3	10 Y	N	N	N	M	
116 Red Cedar	56 No	NO	LIVING	30	0	0	0	0	0	0	30 Red Cedar	56	3	3	39 Y	N	N	N	M	
117 Red Alder	57 No	NO	LIVING	7	0	0	0	0	0	0	7 Red Alder	57	3	3	9 Y	N	N	N	M	
118 Red Alder	58 No	YES	LIVING	9	6	0	0	0	0	0	6 Red Alder	58	3	3	8 Y	N	N	N	M	
119 Red Alder	59 No	YES	LIVING	17	8	6	0	0	0	0	10 Red Alder	59	3	3	13 Y	N	N	N	M	
120 Red Alder	60 No	NO	LIVING	15	0	0	0	0	0	0	15 Red Alder	60	3	3	20 Y	N	N	N	M	
121 Douglas Fir	61 No	NO	LIVING	27	0	0	0	0	0	0	27 Douglas Fir	61	3	3	35 Y	N	N	N	M	
122 Bigleaf Maple	62 No	YES	LIVING	30	12	10	0	0	0	0	19 Bigleaf Maple	62	3	3	25 Y	N	N	N	M	



127 Douglas Fir	67 No	NO	LIVING		18	0	0	0	0	0	0	18 Douglas Fir	67	3		3	23 Y	N	N	N	M	
128 Douglas Fir	68 No	NO	LIVING		39	0	0	0	0	0	0	39 Douglas Fir	68	3		3	51 Y	N	N	N	M	
129 Oregon Ash	69 No/Dead	NO	DEAD		20	0	0	0	0	0	0	20 Other	69	D		3	26 Y	N	N	N	M	
130 Douglas Fir	70 No	NO	LIVING		20	0	0	0	0	0	0	20 Douglas Fir	70	3		3	26 Y	N	N	N	M	
131 Douglas Fir	71 No	NO	LIVING		36	0	0	0	0	0	0	36 Douglas Fir	71	3		3	47 Y	N	N	N	M	
135 Oak	76 Yes	NO	LIVING		15	0	0	0	0	0	0	15 Oak	76	4		3	20 Y	N	N	N	M	
136 Oak	77 No/Dead	YES	DEAD		10	6	0	0	0	0	0	7 Oak	77 Dead	D		3	9 Y	N	N	N	M	
137 Oak	78 Yes	NO	LIVING		17	0	0	0	0	0	0	17 Oak	78	3		3	22 Y	N	N	N	M	
138 Oak	79 Yes	NO	LIVING		30	0	0	0	0	0	0	30 Oak	79	3		3	39 Y	N	N	N	M	
139 Oak	80 No	YES	LIVING		44	20	0	0	0	0	0	34 Maple	80	3		3	44 Y	N	N	N	M	
140 Oak	81 Yes	NO	LIVING		5	0	0	0	0	0	0	6 Oak	81	4		3	8 Y	N	N	N	M	
141 Oak	82 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Oak	82	3		3	13 Y	N	N	N	M	
142 Oak	83 Yes	NO	LIVING		18	0	0	0	0	0	0	18 Oak	83	3		3	23 Y	N	N	N	M	
143 Oak	84 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Oak	84	3		3	13 Y	N	N	N	M	
144 Oak	85 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Oak	85	4		3	13 Y	N	N	N	M	
145 Oak	86 Yes	NO	LIVING		9	0	0	0	0	0	0	9 Oak	86	3		3	12 Y	N	N	N	M	
146 Oak	87 Yes	NO	Poor		10	0	0	0	0	0	0	10 Oak	87	2		3	13 Y	N	N	N	M	
147 Oak	88 Yes	NO	LIVING		12	0	0	0	0	0	0	12 Oak	88	3		3	16 Y	N	N	N	M	
148 Oak	89 Yes	NO	LIVING		12	0	0	0	0	0	0	12 Oak	89	3		3	16 Y	N	N	N	M	
149 Oak	90 Yes	YES	LIVING		23	10	6	6	0	0	0	12 Oak	90	3		3	16 Y	N	N	N	M	
150 Oak	91 Yes	NO	LIVING		12	0	0	0	0	0	0	12 Oak	91	4		3	16 Y	N	N	N	M	
151 Oak	92 Yes	NO	LIVING		14	0	0	0	0	0	0	14 Oak	92	3		3	18 Y	N	N	N	M	
152 Oak	93 Yes	YES	LIVING		28	10	11	8	0	0	0	14 Oak	93	3		3	18 Y	N	N	N	M	
153 Oak	94 Yes	NO	LIVING		16	0	0	0	0	0	0	16 Oak	94	3		3	21 Y	N	N	N	M	
154 Oak	95 Yes	NO	LIVING		11	0	0	0	0	0	0	11 Oak	95	3		3	14 Y	N	N	N	M	
155 Oak	96 Yes	NO	LIVING		11	0	0	0	0	0	0	11 Oak	96	3		3	14 Y	N	N	N	M	
156 Oak	97 Yes	NO	LIVING		8	0	0	0	0	0	0	8 Oak	97	3		3	10 Y	N	N	N	M	
157 Douglas Fir	98 Yes	NO	LIVING		16	0	0	0	0	0	0	16 Douglas Fir	98	3		3	21 Y	N	N	N	M	
158 Oak	99 Yes	NO	LIVING		18	0	0	0	0	0	0	18 Oak	99	3		3	23 Y	N	N	N	M	
159 Bigleaf Maple	100 Yes	NO	LIVING		13	0	0	0	0	0	0	13 Bigleaf Maple	100	3		3	17 Y	N	N	N	M	
160 Douglas Fir	101 Yes	NO	LIVING		28	0	0	0	0	0	0	28 Douglas Fir	101	3		3	36 Y	N	N	N	M	
161 Douglas Fir	102 Yes	NO	LIVING		14	0	0	0	0	0	0	14 Douglas Fir	102	4		3	18 Y	N	N	N	M	
162 Douglas Fir	103 Yes	NO	LIVING		22	0	0	0	0	0	0	22 Douglas Fir	103	3		3	29 Y	N	N	N	M	
163 Douglas Fir	104 Yes	NO	LIVING		12	0	0	0	0	0	0	12 Douglas Fir	104	3		3	16 Y	N	N	N	M	
164 Bigleaf Maple	105 Yes	YES	LIVING		44	12	0	0	0	0	0	38 Bigleaf Maple	105	3		3	49 Y	N	N	N	M	
165 Bigleaf Maple	106 Yes	NO	LIVING		32	0	0	0	0	0	0	32 Bigleaf Maple	106	4		3	42 Y	N	N	N	M	
166 Bigleaf Maple	107 Yes	YES	LIVING		15	10	0	0	0	0	0	10 Bigleaf Maple	107	4		3	13 Y	N	N	N	M	
167 Other	108 Yes	NO	LIVING	Other Hardwood	10	0	0	0	0	0	0	10 Fibert	108	4		3	13 Y	N	N	N	M	
168 Other	109 Yes	NO	LIVING	Other Hardwood	10	0	0	0	0	0	0	10 Fibert	109	4		3	13 Y	N	N	N	M	
169 Other	110 Yes	NO	LIVING	Other Hardwood	8	0	0	0	0	0	0	6 Fibert	110	3		3	8 Y	N	N	N	M	
170 Other	111 Yes	NO	LIVING	Other Hardwood	7	0	0	0	0	0	0	7 Fibert	111	4		3	9 Y	N	N	N	M	
171 Other	112 Yes	NO	LIVING	Other Hardwood	9	0	0	0	0	0	0	9 Fibert	112	4		3	12 Y	N	N	N	M	
172 Other	113 Yes	NO	LIVING	Other Hardwood	5	0	0	0	0	0	0	6 Fibert	113	3		3	8 Y	N	N	N	M	
173 Douglas Fir	114 Yes	NO	LIVING		30	0	0	0	0	0	0	30 Douglas Fir	114	3		3	39 Y	N	N	N	M	
175 Other	116 Yes	NO	LIVING	Other hardwood; 6" DBH IN CLUSTER OF <6"	5	0	0	0	0	0	0	6 Vine Maple	116	3		3	8 Y	N	N	N	M	
176 Douglas Fir	117 Yes	NO	LIVING		19	0	0	0	0	0	0	19 Douglas Fir	117	3		3	25 Y	N	N	N	M	
177 Douglas Fir	118 Yes	NO	LIVING		8	0	0	0	0	0	0	8 Douglas Fir	118	3		3	10 Y	N	N	N	M	
178 Bigleaf Maple	119 Yes	YES	LIVING		24	16	0	0	0	0	0	16 Bigleaf Maple	119	3		3	21 Y	N	N	N	M	
179 Red Cedar	120 Yes	NO	LIVING		5	0	0	0	0	0	0	6 Red Cedar	120	3		3	8 Y	N	N	N	M	
180 Red Cedar	121 Yes	NO	LIVING		14	0	0	0	0	0	0	14 Red Cedar	121	3		3	18 Y	N	N	N	M	
181 Bigleaf Maple	122 Yes	YES	LIVING		56	18	16	15	14	12	0	18 Bigleaf Maple	122	3		3	23 Y	N	N	N	M	
182 Bigleaf Maple	123 Yes	NO	LIVING		8	0	0	0	0	0	0	8 Bigleaf Maple	123	3		3	10 Y	N	N	N	M	
183 Bigleaf Maple	124 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Bigleaf Maple	124	3		3	13 Y	N	N	N	M	
184 Oak	125 Yes	NO	LIVING		22	0	0	0	0	0	0	22 Oak	125	4		3	29 Y	N	N	N	M	

185 Red Cedar	126 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Red Cedar	126	4		3	13 Y	N	N	N	M	
186 Douglas Fir	127 Yes	NO	LIVING		30	0	0	0	0	0	0	30 Douglas Fir	127	3		3	39 Y	N	N	N	M	
187 Other	128 Yes	NO	LIVING	Other Hardwood	10	0	0	0	0	0	0	10 Vine Maple	128	4		3	13 Y	N	N	N	M	
188 Bigleaf Maple	129 Yes	YES	LIVING		21	10	8	0	0	0	0	12 Bigleaf Maple	129	3		3	16 Y	N	N	N	M	
189 Red Cedar	130 No	NO	LIVING		28	0	0	0	0	0	0	28 Red Cedar	130	4		3	36 Y	N	N	N	M	
190 Bigleaf Maple	131 No	NO	LIVING		24	0	0	0	0	0	0	24 Bigleaf Maple	131	3		3	31 Y	N	N	N	M	
191 Other	132 No	NO	LIVING	Other Hardwood	8	0	0	0	0	0	0	8 Vine Maple	132	3		3	10 Y	N	N	N	M	
192 Other	133 No	NO	LIVING	Other Hardwood	12	0	0	0	0	0	0	12 Vine Maple	133	3		3	16 Y	N	N	N	M	
193 Other	134 No	NO	LIVING	Other Hardwood	7	0	0	0	0	0	0	7 Vine Maple	134	3		3	9 Y	N	N	N	M	
194 Other	135 No	NO	LIVING	Other Hardwood	6	0	0	0	0	0	0	6 Vine Maple	135	3		3	8 Y	N	N	N	M	
195 Other	136 No	NO	LIVING	Other Hardwood	8	0	0	0	0	0	0	8 Vine Maple	136	3		3	10 Y	N	N	N	M	
196 Other	137 No	NO	LIVING	Other Hardwood	7	0	0	0	0	0	0	7 Vine Maple	137	3		3	9 Y	N	N	N	M	
197 Other	138 No	NO	LIVING	Other Hardwood	9	0	0	0	0	0	0	9 Vine Maple	138	3		3	12 Y	N	N	N	M	
198 Other	139 No	YES	LIVING	Other Hardwood	18	9	8	0	0	0	0	9 Vine Maple	139	3		3	12 Y	N	N	N	M	
199 Other	140 No	NO	LIVING	Other Hardwood	6	0	0	0	0	0	0	6 Vine Maple	140	3		3	8 Y	N	N	N	M	
200 Red Alder	141 No	YES	LIVING		26	8	8	8	6	6	0	8 Red Alder	141	3		3	10 Y	N	N	N	M	
201 Bigleaf Maple	142 No	NO	Poor		16	0	0	0	0	0	0	16 Bigleaf Maple	142	2		3	21 Y	N	N	N	M	
202 Bigleaf Maple	143 No	YES	Poor		16	9	0	0	0	0	0	12 Bigleaf Maple	143	2		3	16 Y	N	N	N	M	
203 Bigleaf Maple	144 No	YES	LIVING		31	12	6	0	0	0	0	22 Bigleaf Maple	144	3		3	29 Y	N	N	N	M	
204 Bigleaf Maple	145 No	NO	LIVING		8	0	0	0	0	0	0	8 Bigleaf Maple	145	3		3	10 Y	N	N	N	M	
205 Bigleaf Maple	146 No	NO	LIVING		12	0	0	0	0	0	0	12 Bigleaf Maple	146	3		3	16 Y	N	N	N	M	
206 Bigleaf Maple	147 No	NO	LIVING		8	0	0	0	0	0	0	8 Bigleaf Maple	147	3		3	10 Y	N	N	N	M	
207 Bigleaf Maple	148 No	YES	LIVING		11	6	0	0	0	0	0	8 Bigleaf Maple	148	3		3	10 Y	N	N	N	M	
208 Bigleaf Maple	149 No	NO	LIVING		10	0	0	0	0	0	0	10 Bigleaf Maple	149	4		3	13 Y	N	N	N	M	
209 Bigleaf Maple	150 Yes	NO	LIVING		9	0	0	0	0	0	0	9 Bigleaf Maple	150	3		3	12 Y	N	N	N	M	
210 Bigleaf Maple	151 Yes	YES	LIVING		10	6	0	0	0	0	0	7 Bigleaf Maple	151	4		3	9 Y	N	N	N	M	
211 Bigleaf Maple	152 Yes	YES	LIVING		10	6	0	0	0	0	0	7 Bigleaf Maple	152	4		3	9 Y	N	N	N	M	
212 Bigleaf Maple	153 Yes	NO	LIVING		13	0	0	0	0	0	0	13 Bigleaf Maple	153	3		3	17 Y	N	N	N	M	
213 Bigleaf Maple	154 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Bigleaf Maple	154	4		3	13 Y	N	N	N	M	
214 Bigleaf Maple	155 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Bigleaf Maple	155	3		3	13 Y	N	N	N	M	
215 Bigleaf Maple	156 Yes	YES	LIVING		18	7	0	0	0	0	0	15 Bigleaf Maple	156	3		3	20 Y	N	N	N	M	
216 Bigleaf Maple	157 Yes	YES	LIVING		14	9	0	0	0	0	0	10 Bigleaf Maple	157	3		3	13 Y	N	N	N	M	
217 Bigleaf Maple	158 Yes	YES	LIVING		16	7	7	0	0	0	0	9 Bigleaf Maple	158	3		3	12 Y	N	N	N	M	
218 Red Alder	159 Yes	YES	LIVING		14	6	0	0	0	0	0	11 Red Alder	159	3		3	14 Y	N	N	N	M	
219 Bigleaf Maple	160 Yes	YES	LIVING		33	14	0	0	0	0	0	26 Bigleaf Maple	160	3		3	34 Y	N	N	N	M	
220 Red Alder	161 Yes	NO	DEAD		6	0	0	0	0	0	0	6 Red Alder	161	0		3	8 Y	N	N	N	M	
221 Douglas Fir	162 No	NO	LIVING		30	0	0	0	0	0	0	30 Douglas Fir	162	4		3	39 Y	N	N	N	M	
222 Douglas Fir	163 No	NO	LIVING		11	0	0	0	0	0	0	11 Douglas Fir	163	3		3	14 Y	N	N	N	M	
223 Douglas Fir	164 No	NO	LIVING		13	0	0	0	0	0	0	13 Douglas Fir	164	4		3	17 Y	N	N	N	M	
224 Douglas Fir	165 No	NO	LIVING		14	0	0	0	0	0	0	14 Douglas Fir	165	3		3	18 Y	N	N	N	M	
225 Douglas Fir	166 Yes	NO	LIVING		19	0	0	0	0	0	0	19 Douglas Fir	166	3		3	25 Y	N	N	N	M	
226 Bigleaf Maple	167 Yes	NO	LIVING		16	0	0	0	0	0	0	16 Bigleaf Maple	167	3		3	21 Y	N	N	N	M	
227 Bigleaf Maple	168 Yes	NO	LIVING		14	0	0	0	0	0	0	14 Bigleaf Maple	168	3		3	18 Y	N	N	N	M	
228 Bigleaf Maple	169 Yes	NO	LIVING		12	0	0	0	0	0	0	12 Bigleaf Maple	169	3		3	16 Y	N	N	N	M	
229 Bigleaf Maple	170 Yes	NO	LIVING		16	0	0	0	0	0	0	16 Bigleaf Maple	170	3		3	21 Y	N	N	N	M	
230 Bigleaf Maple	171 Yes	YES	LIVING		10	6	0	0	0	0	0	7 Bigleaf Maple	171	3		3	9 Y	N	N	N	M	
231 Bigleaf Maple	172 Yes	NO	Poor		16	0	0	0	0	0	0	16 Bigleaf Maple	172	1		3	21 Y	N	N	N	M	
232 Bigleaf Maple	173 Yes	NO	Poor		8	0	0	0	0	0	0	8 Bigleaf Maple	173	1		3	10 Y	N	N	N	M	
233 Douglas Fir	174 Yes	NO	LIVING		24	0	0	0	0	0	0	24 Douglas Fir	174	3		3	31 Y	N	N	N	M	
234 Oak	175 Yes	NO	LIVING		8	0	0	0	0	0	0	8 Oak	175	3		3	10 Y	N	N	N	M	
235 Douglas Fir	176 Yes	NO	LIVING		30	0	0	0	0	0	0	30 Douglas Fir	176	3		3	39 Y	N	N	N	M	
236 Douglas Fir	177 Yes	NO	LIVING		13	0	0	0	0	0	0	13 Douglas Fir	177	3		3	17 Y	N	N	N	M	
237 Oak	178 Yes	NO	LIVING		15	0	0	0	0	0	0	15 Oak	178	3		3	20 Y	N	N	N	M	
238 Oak	179 Yes	NO	LIVING		13	0	0	0	0	0	0	13 Oak	179	3		3	17 Y	N	N	N	M	

239 Oak	180 Yes	YES	LIVING	15	8	0	0	0	0	0	11 Oak	180	3	3	14 Y	N	N	N	M
240 Oak	181 Yes	NO	LIVING	7	0	0	0	0	0	0	7 Oak	181	3	3	9 Y	N	N	N	M
241 Oak	182 Yes	NO	LIVING	12	0	0	0	0	0	0	12 Oak	182	3	3	16 Y	N	N	N	M
242 Oak	183 Yes	NO	LIVING	8	0	0	0	0	0	0	8 Oak	183	3	3	10 Y	N	N	N	M
243 Douglas Fir	184 No/Dead	NO	DEAD	8	0	0	0	0	0	0	8 Douglas Fir	184 Dead	D	3	10 Y	N	N	N	M
244 Douglas Fir	185 No	NO	LIVING	25	0	0	0	0	0	0	25 Douglas Fir	185	3	3	33 Y	N	N	N	M
245 Douglas Fir	186 No	NO	LIVING	24	0	0	0	0	0	0	24 Douglas Fir	186	3	3	31 Y	N	N	N	M
246 Douglas Fir	187 No	NO	LIVING	10	0	0	0	0	0	0	10 Douglas Fir	187	3	3	13 Y	N	N	N	M
247 Douglas Fir	188 No	NO	LIVING	23	0	0	0	0	0	0	23 Douglas Fir	188	3	3	30 Y	N	N	N	M
248 Douglas Fir	189 No	NO	LIVING	14	0	0	0	0	0	0	14 Douglas Fir	189	3	3	18 Y	N	N	N	M
249 Douglas Fir	190 No	NO	LIVING	32	0	0	0	0	0	0	32 Douglas Fir	190	3	3	42 Y	N	N	N	M
250 Red Cedar	191 No	NO	LIVING	23	0	0	0	0	0	0	23 Red Cedar	191	3	3	30 Y	N	N	N	M
251 Douglas Fir	192 No	NO	LIVING	36	0	0	0	0	0	0	36 Douglas Fir	192	3	3	47 Y	N	N	N	M
252 Douglas Fir	193 No	NO	LIVING	36	0	0	0	0	0	0	36 Douglas Fir	193	3	3	47 Y	N	N	N	M
253 Douglas Fir	194 No/Dead	NO	DEAD	12	0	0	0	0	0	0	12 Douglas Fir	194 Dead	D	3	16 Y	N	N	N	M
254 Douglas Fir	195 No	NO	LIVING	12	0	0	0	0	0	0	12 Douglas Fir	195	3	3	16 Y	N	N	N	M
255 Red Alder	196 No	YES	LIVING	28	10	9	8	8	0	0	11 Red Alder	196	3	3	14 Y	N	N	N	M
256 Bigleaf Maple	197 No	NO	LIVING	16	0	0	0	0	0	0	16 Bigleaf Maple	197	3	3	21 Y	N	N	N	M
257 Bigleaf Maple	198 No	YES	LIVING	29	12	12	0	0	0	0	17 Bigleaf Maple	198	3	3	22 Y	N	N	N	M
258 Douglas Fir	199 No	NO	LIVING	34	0	0	0	0	0	0	34 Douglas Fir	199	3	3	44 Y	N	N	N	M
259 Douglas Fir	200 No	NO	LIVING	16	0	0	0	0	0	0	16 Douglas Fir	200	4	3	21 Y	N	N	N	M
260 Douglas Fir	201 No	NO	LIVING	40	0	0	0	0	0	0	40 Douglas Fir	201	3	3	52 Y	N	N	N	M
261 Douglas Fir	202 No	NO	LIVING	34	0	0	0	0	0	0	34 Douglas Fir	202	3	3	44 Y	N	N	N	M
262 Douglas Fir	203 No	NO	LIVING	8	0	0	0	0	0	0	8 Douglas Fir	203	4	3	10 Y	N	N	N	M
263 Douglas Fir	204 No	NO	LIVING	20	0	0	0	0	0	0	20 Douglas Fir	204	4	3	26 Y	N	N	N	M
264 Douglas Fir	205 No	NO	LIVING	20	0	0	0	0	0	0	20 Douglas Fir	205	3	3	26 Y	N	N	N	M
265 Douglas Fir	206 No	NO	LIVING	38	0	0	0	0	0	0	38 Douglas Fir	206	4	3	49 Y	N	N	N	M
266 Douglas Fir	207 No	NO	LIVING	13	0	0	0	0	0	0	13 Douglas Fir	207	3	3	17 Y	N	N	N	M
267 Douglas Fir	208 No	NO	LIVING	27	0	0	0	0	0	0	27 Douglas Fir	208	3	3	35 Y	N	N	N	M
268 Douglas Fir	209 No	NO	LIVING	10	0	0	0	0	0	0	10 Douglas Fir	209	3	3	13 Y	N	N	N	M
269 Douglas Fir	210 No/Dead	NO	DEAD	11	0	0	0	0	0	0	11 Douglas Fir	210 Dead	D	3	14 Y	N	N	N	M
270 Douglas Fir	211 No	NO	LIVING	36	0	0	0	0	0	0	36 Douglas Fir	211	3	3	47 Y	N	N	N	M
271 Douglas Fir	212 No	NO	LIVING	12	0	0	0	0	0	0	12 Douglas Fir	212	3	3	16 Y	N	N	N	M
272 Douglas Fir	213 No	NO	LIVING	36	0	0	0	0	0	0	36 Douglas Fir	213	3	3	47 Y	N	N	N	M
273 Douglas Fir	214 No	NO	LIVING	27	0	0	0	0	0	0	27 Douglas Fir	214	3	3	35 Y	N	N	N	M
274 Douglas Fir	215 No	NO	LIVING	9	0	0	0	0	0	0	9 Douglas Fir	215	3	3	12 Y	N	N	N	M
275 Douglas Fir	216 No	NO	LIVING	18	0	0	0	0	0	0	18 Douglas Fir	216	3	3	23 Y	N	N	N	M
276 Douglas Fir	217 No	NO	LIVING	36	0	0	0	0	0	0	36 Douglas Fir	217	3	3	47 Y	N	N	N	M
277 Bigleaf Maple	218 No	NO	LIVING	18	0	0	0	0	0	0	18 Bigleaf Maple	218	3	3	23 Y	N	N	N	M
278 Bigleaf Maple	219 No	NO	LIVING	38	0	0	0	0	0	0	38 Bigleaf Maple	219	3	3	49 Y	N	N	N	M
279 Douglas Fir	220 No	NO	LIVING	38	0	0	0	0	0	0	38 Douglas Fir	220	3	3	49 Y	N	N	N	M
280 Bigleaf Maple	221 Yes	NO	LIVING	17	0	0	0	0	0	0	17 Bigleaf Maple	221	3	3	22 Y	N	N	N	M
281 Bigleaf Maple	222 Yes	YES	LIVING	28	15	10	0	0	0	0	15 Bigleaf Maple	222	3	3	20 Y	N	N	N	M
282 Douglas Fir	223 Yes	NO	LIVING	36	0	0	0	0	0	0	36 Douglas Fir	223	3	3	47 Y	N	N	N	M
283 Bigleaf Maple	224 Yes	NO	LIVING	21	0	0	0	0	0	0	21 Bigleaf Maple	224	3	3	27 Y	N	N	N	M
284 Red Cedar	225 Yes	NO	LIVING	26	0	0	0	0	0	0	26 Red Cedar	225	3	3	34 Y	N	N	N	M
285 Douglas Fir	226 No	NO	LIVING	21	0	0	0	0	0	0	21 Douglas Fir	226	3	3	27 Y	N	N	N	M
286 Douglas Fir	227 No	NO	LIVING	14	0	0	0	0	0	0	14 Douglas Fir	227	3	3	18 Y	N	N	N	M
287 Douglas Fir	228 No	NO	LIVING	40	0	0	0	0	0	0	40 Douglas Fir	228	4	3	52 Y	N	N	N	M
288 Douglas Fir	229 No	NO	LIVING	9	0	0	0	0	0	0	9 Douglas Fir	229	3	3	12 Y	N	N	N	M
289 Douglas Fir	230 No	NO	LIVING	15	0	0	0	0	0	0	15 Douglas Fir	230	3	3	20 Y	N	N	N	M
290 Bigleaf Maple	231 No	NO	LIVING	8	0	0	0	0	0	0	8 Bigleaf Maple	231	3	3	10 Y	N	N	N	M
291 Douglas Fir	232 No	NO	LIVING	22	0	0	0	0	0	0	22 Douglas Fir	232	4	3	29 Y	N	N	N	M
292 Douglas Fir	233 No	NO	LIVING	16	0	0	0	0	0	0	16 Douglas Fir	233	4	3	21 Y	N	N	N	M

293 Douglas Fir	234 No	NO	LIVING		11	0	0	0	0	0	11 Douglas Fir	234	4		3	14 Y	N	N	N	M	
294 Douglas Fir	235 No	NO	LIVING		25	0	0	0	0	0	25 Douglas Fir	235	3		3	33 Y	N	N	N	M	
295 Douglas Fir	236 No	NO	LIVING		14	0	0	0	0	0	14 Douglas Fir	236	3		3	18 Y	N	N	N	M	
296 Bigleaf Maple	237 No	NO	LIVING		9	0	0	0	0	0	9 Bigleaf Maple	237	4		3	12 Y	N	N	N	M	
297 Douglas Fir	238 No	NO	LIVING		19	0	0	0	0	0	19 Douglas Fir	238	3		3	25 Y	N	N	N	M	
298 Douglas Fir	239 No	NO	LIVING		21	0	0	0	0	0	21 Douglas Fir	239	3		3	27 Y	N	N	N	M	
299 Douglas Fir	240 No	NO	LIVING		10	0	0	0	0	0	10 Douglas Fir	240	3		3	13 Y	N	N	N	M	
300 Douglas Fir	241 No	NO	LIVING		10	0	0	0	0	0	10 Douglas Fir	241	3		3	13 Y	N	N	N	M	
301 Douglas Fir	242 No	NO	LIVING		7	0	0	0	0	0	7 Douglas Fir	242	4		3	9 Y	N	N	N	M	
302 Douglas Fir	243 No	NO	LIVING		9	0	0	0	0	0	9 Douglas Fir	243	4		3	12 Y	N	N	N	M	
303 Douglas Fir	244 No	NO	LIVING		20	0	0	0	0	0	20 Douglas Fir	244	3		3	26 Y	N	N	N	M	
304 Douglas Fir	245 No	NO	LIVING		7	0	0	0	0	0	7 Douglas Fir	245	3		3	9 Y	N	N	N	M	
305 Douglas Fir	246 No	NO	LIVING		15	0	0	0	0	0	15 Douglas Fir	246	3		3	20 Y	N	N	N	M	
306 Bigleaf Maple	247 No	NO	LIVING		12	0	0	0	0	0	12 Bigleaf Maple	247	3		3	16 Y	N	N	N	M	
307 Douglas Fir	248 No	NO	LIVING		16	0	0	0	0	0	16 Douglas Fir	248	3		3	21 Y	N	N	N	M	
308 Red Cedar	249 No	NO	LIVING		19	0	0	0	0	0	19 Red Cedar	249	3		3	25 Y	N	N	N	M	
309 Red Cedar	250 Yes	YES	LIVING		30	19	0	0	0	0	20 Red Cedar	250	3		3	26 Y	N	N	N	M	
310 Douglas Fir	251 Yes	NO	LIVING		30	0	0	0	0	0	30 Douglas Fir	251	3		3	39 Y	N	N	N	M	
311 Douglas Fir	252 Yes	YES	LIVING		41	26	0	0	0	0	28 Douglas Fir	252	3		3	36 Y	N	N	N	M	
312 Douglas Fir	253 Yes	NO	LIVING		30	0	0	0	0	0	30 Douglas Fir	253	3		3	39 Y	N	N	N	M	
313 Bigleaf Maple	254 Yes	NO	Poor		8	0	0	0	0	0	8 Bigleaf Maple	254	2		3	10 Y	N	N	N	M	
314 Douglas Fir	255 No	NO	LIVING		9	0	0	0	0	0	9 Douglas Fir	255	3		3	12 Y	N	N	N	M	
315 Douglas Fir	256 Yes/Dead	NO	DEAD		20	0	0	0	0	0	20 Douglas Fir	256 Dead	0		3	26 Y	N	N	N	M	
316 Douglas Fir	257 Yes	NO	LIVING		24	0	0	0	0	0	24 Douglas Fir	257	3		3	31 Y	N	N	N	M	
317 Douglas Fir	258 Yes	NO	LIVING		16	0	0	0	0	0	16 Douglas Fir	258	3		3	21 Y	N	N	N	M	
318 Douglas Fir	259 Yes	NO	LIVING		46	0	0	0	0	0	46 Douglas Fir	259	3		3	60 Y	N	N	N	M	
319 Bigleaf Maple	260 No	NO	LIVING		14	0	0	0	0	0	14 Bigleaf Maple	260	3		3	18 Y	N	N	N	M	
320 Grand Fir	261 No	NO	LIVING		30	0	0	0	0	0	30 Douglas Fir	261	3		3	39 Y	N	N	N	M	
321 Red Cedar	262 No	NO	LIVING		14	0	0	0	0	0	14 Red Cedar	262	3		3	18 Y	N	N	N	M	
322 Red Cedar	263 No	NO	LIVING		17	0	0	0	0	0	17 Red Cedar	263	3		3	22 Y	N	N	N	M	
323 Red Cedar	264 No	NO	LIVING		36	0	0	0	0	0	36 Red Cedar	264	3		3	47 Y	N	N	N	M	
324 Red Alder	265 No	NO	Poor		21	0	0	0	0	0	21 Red Alder	265	1		3	27 Y	N	N	N	M	
325 Bigleaf Maple	266 No	YES	LIVING		51	17	13	13	9	14	18 Bigleaf Maple	266	3		3	23 Y	N	N	N	M	
326 Douglas Fir	267 No	NO	LIVING		9	0	0	0	0	0	9 Douglas Fir	267	3		3	12 Y	N	N	N	M	
327 Red Alder	268 No	NO	LIVING		10	0	0	0	0	0	10 Red Alder	268	3		3	13 Y	N	N	N	M	
328 Red Alder	269 No	NO	LIVING		9	0	0	0	0	0	9 Red Alder	269	3		3	12 Y	N	N	N	M	
329 Red Alder	270 No	NO	LIVING		8	0	0	0	0	0	8 Red Alder	270	3		3	10 Y	N	N	N	M	
330 Red Alder	271 No	NO	LIVING		8	0	0	0	0	0	8 Red Alder	271	3		3	10 Y	N	N	N	M	
331 Red Alder	272 Yes	NO	LIVING		11	0	0	0	0	0	11 Red Alder	272	3		3	14 Y	N	N	N	M	
332 Douglas Fir	273 Yes	NO	LIVING		50	0	0	0	0	0	50 Douglas Fir	273	3		3	65 Y	N	N	N	M	
333 Douglas Fir	274 Yes	NO	LIVING		27	0	0	0	0	0	27 Douglas Fir	274	3		3	35 Y	N	N	N	M	
334 Douglas Fir	275 Yes	NO	LIVING		62	0	0	0	0	0	62 Douglas Fir	275	3		3	68 Y	N	N	N	M	
335 Bigleaf Maple	276 Yes	NO	LIVING		8	0	0	0	0	0	8 Bigleaf Maple	276	3		3	10 Y	N	N	N	M	
336 Douglas Fir	277 Yes	NO	LIVING		14	0	0	0	0	0	14 Douglas Fir	277	3		3	18 Y	N	N	N	M	
337 Douglas Fir	278 Yes	NO	LIVING		40	0	0	0	0	0	40 Douglas Fir	278	3		3	62 Y	N	N	N	M	
338 Red Cedar	279 Yes	NO	LIVING		17	0	0	0	0	0	17 Red Cedar	279	3		3	22 Y	N	N	N	M	
339 Douglas Fir	280 Yes	NO	LIVING		12	0	0	0	0	0	12 Douglas Fir	280	3		3	16 Y	N	N	N	M	
340 Bigleaf Maple	281 Yes	NO	LIVING		17	0	0	0	0	0	17 Bigleaf Maple	281	3		3	22 Y	N	N	N	M	
341 Red Alder	282 No	NO	LIVING		10	0	0	0	0	0	10 Red Alder	282	3		3	13 Y	N	N	N	M	
342 Douglas Fir	283 No	NO	LIVING		28	0	0	0	0	0	28 Douglas Fir	283	4		3	36 Y	N	N	N	M	
343 Douglas Fir	284 No	NO	LIVING		20	0	0	0	0	0	20 Douglas Fir	284	3		3	26 Y	N	N	N	M	
344 Douglas Fir	285 No	NO	LIVING		10	0	0	0	0	0	10 Douglas Fir	285	4		3	13 Y	N	N	N	M	
345 Douglas Fir	286 No	NO	LIVING		6	0	0	0	0	0	6 Douglas Fir	286	4		3	8 Y	N	N	N	M	
346 Douglas Fir	287 No	NO	LIVING		6	0	0	0	0	0	6 Douglas Fir	287	3		3	8 Y	N	N	N	M	



347 Douglas Fir	288 No	NO	LIVING		34 0 0 0 0 0 0 0	34 Douglas Fir	288	3		3	44 Y	N	N	N	M	
348 Douglas Fir	289 No	NO	LIVING		28 0 0 0 0 0 0 0	28 Douglas Fir	289	4		3	36 Y	N	N	N	M	
349 Douglas Fir	290 No	NO	LIVING		12 0 0 0 0 0 0 0	12 Douglas Fir	290	3		3	16 Y	N	N	N	M	
350 Douglas Fir	291 No	NO	LIVING		36 0 0 0 0 0 0 0	36 Douglas Fir	291	3		3	47 Y	N	N	N	M	
351 Douglas Fir	292 No	NO	LIVING		8 0 0 0 0 0 0 0	8 Douglas Fir	292	3		3	10 Y	N	N	N	M	
352 Douglas Fir	293 No	NO	LIVING		28 0 0 0 0 0 0 0	28 Douglas Fir	293	3		3	36 Y	N	N	N	M	
353 Bigleaf Maple	294 No	YES	LIVING		33 17 13 0 0 0 0 0	18 Bigleaf Maple	294	4		3	23 Y	N	N	N	M	
354 Bigleaf Maple	295 Yes	NO	LIVING		10 0 0 0 0 0 0 0	10 Bigleaf Maple	295	3		3	13 Y	N	N	N	M	
355 Douglas Fir	296 Yes	NO	LIVING		48 0 0 0 0 0 0 0	48 Douglas Fir	296	3		3	62 Y	N	N	N	M	
356 Bigleaf Maple	297 Yes	NO	LIVING		18 0 0 0 0 0 0 0	18 Bigleaf Maple	297	3		3	23 Y	N	N	N	M	
357 Red Alder	298 Yes	NO	LIVING		8 0 0 0 0 0 0 0	8 Red Alder	298	3		3	10 Y	N	N	N	M	
358 Bigleaf Maple	299 Yes	YES	LIVING		70 17 16 17 16 13 0	30 Bigleaf Maple	299	3		3	39 Y	N	N	N	M	
359 Red Alder	300 No	NO	LIVING		15 0 0 0 0 0 0 0	15 Red Alder	300	3		3	20 Y	N	N	N	M	
360 Douglas Fir	301 No	NO	LIVING		16 0 0 0 0 0 0 0	16 Douglas Fir	301	3		3	21 Y	N	N	N	M	
361 Douglas Fir	302 Yes/Dead	NO	DEAD		48 0 0 0 0 0 0 0	48 Douglas Fir	302 Dead	D		3	62 Y	N	N	N	M	
362 Bigleaf Maple	303 No	YES	LIVING		32 15 14 0 0 0 0 0	17 Bigleaf Maple	303	3		3	22 Y	N	N	N	M	
363 Douglas Fir	304 No	NO	LIVING		10 0 0 0 0 0 0 0	10 Douglas Fir	304	3		3	13 Y	N	N	N	M	
364 Douglas Fir	305 No	NO	LIVING		16 0 0 0 0 0 0 0	16 Douglas Fir	305	3		3	21 Y	N	N	N	M	
365 Douglas Fir	306 Yes	NO	LIVING		24 0 0 0 0 0 0 0	24 Douglas Fir	306	3		3	31 Y	N	N	N	M	
366 Douglas Fir	307 Yes	NO	LIVING		36 0 0 0 0 0 0 0	36 Douglas Fir	307	3		3	47 Y	N	N	N	M	
367 Douglas Fir	308 Yes/Dead	NO	DEAD		9 0 0 0 0 0 0 0	9 Douglas Fir	308 Dead	D		3	12 Y	N	N	N	M	
368 Red Cedar	309 No	YES	Poor		16 11 0 0 0 0 0 0	11 Red Cedar	309	2		3	14 Y	N	N	N	M	
369 Douglas Fir	310 No	NO	Poor		12 0 0 0 0 0 0 0	12 Douglas Fir	310	2		3	16 Y	N	N	N	M	
370 Douglas Fir	311 No	NO	LIVING		8 0 0 0 0 0 0 0	8 Douglas Fir	311	3		3	10 Y	N	N	N	M	
371 Douglas Fir	312 No	NO	LIVING		26 0 0 0 0 0 0 0	26 Douglas Fir	312	3		3	34 Y	N	N	N	M	
372 Douglas Fir	313 No	NO	LIVING		14 0 0 0 0 0 0 0	14 Douglas Fir	313	3		3	18 Y	N	N	N	M	
373 Douglas Fir	314 No	NO	LIVING		8 0 0 0 0 0 0 0	8 Douglas Fir	314	3		3	10 Y	N	N	N	M	
374 Douglas Fir	315 No	NO	LIVING		30 0 0 0 0 0 0 0	30 Douglas Fir	315	3		3	39 Y	N	N	N	M	
375 Douglas Fir	316 No	NO	LIVING		24 0 0 0 0 0 0 0	24 Douglas Fir	316	3		3	31 Y	N	N	N	M	
376 Douglas Fir	317 No	NO	LIVING		8 0 0 0 0 0 0 0	8 Douglas Fir	317	3		3	10 Y	N	N	N	M	
377 Douglas Fir	318 No	NO	LIVING		22 0 0 0 0 0 0 0	22 Douglas Fir	318	3		3	29 Y	N	N	N	M	
378 Douglas Fir	319 No	NO	LIVING		14 0 0 0 0 0 0 0	14 Douglas Fir	319	3		3	18 Y	N	N	N	M	
379 Other	320 No/Dead	YES	DEAD	Other Hardwood	14 6 6 0 0 0 0 0	8 Other	320 Dead	D		3	10 Y	N	N	N	M	
380 Cherry	321 No/Dead	YES	DEAD		10 6 0 0 0 0 0 0	7 Cherry	321 Dead	D		3	9 Y	N	N	Y	M	
381 Douglas Fir	322 No	NO	LIVING		16 0 0 0 0 0 0 0	16 Douglas Fir	322	3		3	21 Y	N	N	N	M	
382 Douglas Fir	323 No	NO	LIVING		18 0 0 0 0 0 0 0	18 Douglas Fir	323	3		3	23 Y	N	N	N	M	
383 Douglas Fir	324 No	YES	LIVING		46 10 0 0 0 0 0 0	41 Douglas Fir	324	3		3	53 Y	N	N	N	M	
384 Douglas Fir	325 No	NO	LIVING		19 0 0 0 0 0 0 0	19 Douglas Fir	325	3		3	25 Y	N	N	N	M	
385 Bigleaf Maple	326 No	NO	LIVING		24 0 0 0 0 0 0 0	24 Bigleaf Maple	326	3		3	31 Y	N	N	N	M	
386 Red Alder	327 No	NO	LIVING		20 0 0 0 0 0 0 0	20 Red Alder	327	3		3	26 Y	N	N	N	M	
387 Douglas Fir	328 Topped	NO	LIVING	TOPPED	22 0 0 0 0 0 0 0	22 Douglas Fir	328 Topped	3		3	29 Y	N	N	N	M	TOPPED
388 Red Cedar	329 No	NO	LIVING		10 0 0 0 0 0 0 0	10 Red Cedar	329	4		3	13 Y	N	N	N	M	
389 Douglas Fir	330 No	NO	LIVING		44 0 0 0 0 0 0 0	44 Douglas Fir	330	3		3	57 Y	N	N	N	M	
390 Douglas Fir	331 Yes	NO	LIVING		17 0 0 0 0 0 0 0	17 Douglas Fir	331	4		3	22 Y	N	N	N	M	
391 Douglas Fir	332 Yes	NO	LIVING		20 0 0 0 0 0 0 0	20 Douglas Fir	332	4		3	26 Y	N	N	N	M	
392 Douglas Fir	333 Yes	NO	LIVING		12 0 0 0 0 0 0 0	12 Douglas Fir	333	3		3	16 Y	N	N	N	M	
393 Red Cedar	334 Yes	NO	LIVING		20 0 0 0 0 0 0 0	20 Red Cedar	334	3		3	26 Y	N	N	N	M	
394 Red Cedar	335 Yes	NO	LIVING		28 0 0 0 0 0 0 0	28 Red Cedar	335	3		3	36 Y	N	N	N	M	
395 Red Cedar	336 Yes	NO	LIVING		10 0 0 0 0 0 0 0	10 Red Cedar	336	3		3	13 Y	N	N	N	M	
396 Red Cedar	337 Yes	NO	LIVING		10 0 0 0 0 0 0 0	10 Red Cedar	337	3		3	13 Y	N	N	N	M	
397 Douglas Fir	338 Yes/Dead	NO	DEAD		28 0 0 0 0 0 0 0	28 Douglas Fir	338 Dead	D		3	36 Y	N	N	N	M	
398 Cherry	339 No	NO	Poor		13 0 0 0 0 0 0 0	13 Cherry	339	1		3	17 Y	N	N	Y	M	
399 Red Cedar	340 No	NO	LIVING		14 0 0 0 0 0 0 0	14 Red Cedar	340	4		3	18 Y	N	N	N	M	
400 Red Cedar	341 No	NO	LIVING		8 0 0 0 0 0 0 0	8 Red Cedar	341	4		3	10 Y	N	N	N	M	

401 Red Cedar	342 No	NO	LIVING		19	0	0	0	0	0	0	10 Red Cedar	342	4		3	25 Y	N	N	N	M	
402 Red Cedar	343 No	NO	LIVING		22	0	0	0	0	0	0	22 Red Cedar	343	4		3	29 Y	N	N	N	M	
403 Red Cedar	344 No	NO	LIVING		12	0	0	0	0	0	0	12 Red Cedar	344	4		3	16 Y	N	N	N	M	
404 Red Cedar	345 Yes/Dead	NO	DEAD		20	0	0	0	0	0	0	20 Red Cedar	345 Dead	0		3	26 Y	N	N	N	M	
405 Red Cedar	346 No	NO	Poor		23	0	0	0	0	0	0	23 Red Cedar	346	4		3	30 Y	N	N	N	M	
406 Red Cedar	347 No	NO	LIVING		8	0	0	0	0	0	0	8 Red Cedar	347	4		3	10 Y	N	N	N	M	
407 Bigleaf Maple	348 No	NO	LIVING		10	0	0	0	0	0	0	10 Bigleaf Maple	348	3		3	13 Y	N	N	N	M	
408 Red Cedar	349 No	YES	LIVING		14	7	0	0	0	0	0	10 Red Cedar	349	3		3	13 Y	N	N	N	M	
409 Bigleaf Maple	350 Yes/Dead	NO	DEAD		8	0	0	0	0	0	0	8 Bigleaf Maple	350 Dead	0		3	10 Y	N	N	N	M	
410 Douglas Fir	351 No	NO	LIVING		11	0	0	0	0	0	0	11 Douglas Fir	351	3		3	14 Y	N	N	N	M	
411 Red Cedar	352 No	YES	LIVING		42	12	0	0	0	0	0	36 Red Cedar	352	3		3	47 Y	N	N	N	M	
412 Red Cedar	353 No	NO	LIVING		36	0	0	0	0	0	0	36 Red Cedar	353	3		3	47 Y	N	N	N	M	
413 Douglas Fir	354 No	NO	LIVING		27	0	0	0	0	0	0	27 Douglas Fir	354	3		3	35 Y	N	N	N	M	
414 Grand Fir	355 No	NO	LIVING		21	0	0	0	0	0	0	21 Douglas Fir	355	3		3	27 Y	N	N	N	M	
415 Douglas Fir	356 No	NO	LIVING		17	0	0	0	0	0	0	17 Douglas Fir	356	3		3	22 Y	N	N	N	M	
416 Bigleaf Maple	357 Yes/Dead	NO	DEAD		14	0	0	0	0	0	0	14 Bigleaf Maple	357 Dead	0		3	18 Y	N	N	N	M	
417 Bigleaf Maple	358 Yes	YES	LIVING		26	13	12	0	0	0	0	14 Bigleaf Maple	358	3		3	18 Y	N	N	N	M	
418 Bigleaf Maple	359 Yes	NO	LIVING		11	0	0	0	0	0	0	11 Bigleaf Maple	359	3		3	14 Y	N	N	N	M	
419 Douglas Fir	360 Yes/Dead	NO	DEAD		7	0	0	0	0	0	0	7 Douglas Fir	360 Dead	0		3	9 Y	N	N	N	M	
420 Douglas Fir	361 Yes	NO	LIVING		21	0	0	0	0	0	0	21 Douglas Fir	361	3		3	27 Y	N	N	N	M	
421 Douglas Fir	362 Yes	NO	LIVING		34	0	0	0	0	0	0	34 Douglas Fir	362	3		3	44 Y	N	N	N	M	
422 Bigleaf Maple	363 Yes	YES	LIVING		28	14	11	0	0	0	0	16 Bigleaf Maple	363	3		3	21 Y	N	N	N	M	
423 Douglas Fir	364 Yes	NO	LIVING		28	0	0	0	0	0	0	28 Douglas Fir	364	3		3	36 Y	N	N	N	M	
424 Douglas Fir	365 Yes	NO	LIVING		36	0	0	0	0	0	0	36 Douglas Fir	365	3		3	47 Y	N	N	N	M	
425 Douglas Fir	366 No	YES	LIVING		39	24	0	0	0	0	0	27 Douglas Fir	366	3		3	35 Y	N	N	N	M	
426 Grand Fir	367 No	YES	Poor		18	8	0	0	0	0	0	14 Douglas Fir	367	3		3	18 Y	N	N	N	M	
427 Douglas Fir	368 No	NO	LIVING		10	0	0	0	0	0	0	10 Douglas Fir	368	3		3	13 Y	N	N	N	M	
428 Bigleaf Maple	369 No	NO	LIVING		18	0	0	0	0	0	0	18 Bigleaf Maple	369	3		3	23 Y	N	N	N	M	
429 Bigleaf Maple	370 No	NO	LIVING		15	0	0	0	0	0	0	15 Bigleaf Maple	370	3		3	20 Y	N	N	N	M	
430 Bigleaf Maple	371 Yes	NO	LIVING		18	0	0	0	0	0	0	18 Bigleaf Maple	371	3		3	23 Y	N	N	N	M	
431 Other	372 Yes/Dead	NO	DEAD	Other Hardwood	14	0	0	0	0	0	0	14 Other	372 Dead	0		3	18 Y	N	N	N	M	
432 Douglas Fir	373 Yes	NO	LIVING		7	0	0	0	0	0	0	7 Douglas Fir	373	3		3	9 Y	N	N	N	M	
433 Other	374 Yes/Dead	NO	DEAD	Other Hardwood	14	0	0	0	0	0	0	14 Other	374 Dead	0		3	18 Y	N	N	N	M	
434 Douglas Fir	375 No	NO	LIVING		22	0	0	0	0	0	0	22 Douglas Fir	375	3		3	29 Y	N	N	N	M	
435 Douglas Fir	376 No	NO	LIVING		14	0	0	0	0	0	0	14 Douglas Fir	376	3		3	18 Y	N	N	N	M	
436 Grand Fir	377 No	NO	LIVING		10	0	0	0	0	0	0	10 Douglas Fir	377	3		3	13 Y	N	N	N	M	
437 Grand Fir	378 Yes	NO	LIVING		10	0	0	0	0	0	0	10 Douglas Fir	378	3		3	13 Y	N	N	N	M	
438 Bigleaf Maple	379 No	YES	LIVING		35	16	11	7	0	0	0	18 Bigleaf Maple	379	3		3	23 Y	N	N	N	M	
439 Bigleaf Maple	380 Yes/Dead	NO	DEAD		14	0	0	0	0	0	0	14 Bigleaf Maple	380 Dead	0		3	18 Y	N	N	N	M	
440 Bigleaf Maple	381 No	NO	LIVING		15	0	0	0	0	0	0	15 Bigleaf Maple	381	3		3	20 Y	N	N	N	M	
441 Red Cedar	382 No	NO	LIVING		11	0	0	0	0	0	0	11 Red Cedar	382	3		3	14 Y	N	N	N	M	
442 Grand Fir	383 No	NO	LIVING		8	0	0	0	0	0	0	8 Douglas Fir	383	3		3	10 Y	N	N	N	M	
443 Grand Fir	384 No	NO	LIVING		33	0	0	0	0	0	0	33 Douglas Fir	384	4		3	43 Y	N	N	N	M	
444 Red Alder	385 No	NO	LIVING		13	0	0	0	0	0	0	13 Red Alder	385	3		3	17 Y	N	N	N	M	
445 Red Cedar	386 No	NO	LIVING		9	0	0	0	0	0	0	9 Red Cedar	386	3		3	12 Y	N	N	N	M	
446 Bigleaf Maple	387 No	YES	LIVING		46	28	7	0	0	0	0	28 Bigleaf Maple	387	4		3	36 Y	N	N	N	M	
447 Bigleaf Maple	388 No	NO	LIVING		14	0	0	0	0	0	0	14 Bigleaf Maple	388	3		3	18 Y	N	N	N	M	
448 Douglas Fir	389 No	NO	LIVING		20	0	0	0	0	0	0	20 Douglas Fir	389	3		3	26 Y	N	N	N	M	
449 Red Cedar	390 No/Dead	NO	DEAD		8	0	0	0	0	0	0	8 Red Cedar	390 Dead	0		3	10 Y	N	N	N	M	
452 Douglas Fir	393 No	NO	LIVING		35	0	0	0	0	0	0	35 Douglas Fir	393	4		3	46 Y	N	N	N	M	
453 Bigleaf Maple	394 No/Dead	YES	DEAD		27	10	9	9	0	0	0	13 Bigleaf Maple	394 Dead	0		3	17 Y	N	N	N	M	
454 Bigleaf Maple	395 No/Dead	NO	DEAD		9	0	0	0	0	0	0	9 Bigleaf Maple	395 Dead	0		3	12 Y	N	N	N	M	
455 Bigleaf Maple	396 No	YES	LIVING		14	7	0	0	0	0	0	10 Bigleaf Maple	396	3		3	13 Y	N	N	N	M	
456 Bigleaf Maple	397 No	YES	LIVING		22	9	7	7	0	0	0	10 Bigleaf Maple	397	3		3	13 Y	N	N	N	M	

457 Bigleaf Maple	398	No	NO	LIVING		10	0	0	0	0	0	10 Bigleaf Maple	398	3		3	13 Y	N	N	N	M			
458 Bigleaf Maple	399	No	NO	LIVING		7	0	0	0	0	0	7 Bigleaf Maple	399	3		3	9 Y	N	N	N	M			
459 Grand Fir	400	Topped	NO	LIVING		33	0	0	0	0	0	33 Douglas Fir	400	Topped	4		3	43 Y	N	N	N	M	Top @ 60'	
460 Grand Fir	401	Topped	NO	LIVING		10	0	0	0	0	0	10 Douglas Fir	401	Topped	4		3	13 Y	N	N	N	M	Top @ 60'	
461 Bigleaf Maple	402	Yes	NO	LIVING		13	0	0	0	0	0	13 Bigleaf Maple	402	3		3	17 Y	N	N	N	M			
462 Bigleaf Maple	403	Yes	YES	LIVING		56	18	15	14	18	12	0	18 Bigleaf Maple	403	3		3	23 Y	N	N	N	M		
463 Bigleaf Maple	404	No	NO	LIVING		9	0	0	0	0	0	8 Bigleaf Maple	404	3		3	10 Y	N	N	N	M			
464 Bigleaf Maple	405	No	YES	LIVING		30	11	11	9	0	0	0	14 Bigleaf Maple	405	3		3	18 Y	N	N	N	M		
465 Grand Fir	406	No	NO	LIVING		6	0	0	0	0	0	0	6 Douglas Fir	406	3		3	8 Y	N	N	N	M		
466 Douglas Fir	407	No	NO	LIVING		14	0	0	0	0	0	0	14 Douglas Fir	407	4		3	18 Y	N	N	N	M		
467 Bigleaf Maple	408	No	NO	LIVING		19	0	0	0	0	0	0	19 Bigleaf Maple	408	3		3	25 Y	N	N	N	M		
468 Grand Fir	409	No	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	409	3		3	12 Y	N	N	N	M		
469 Grand Fir	410	Yes	NO	LIVING		17	0	0	0	0	0	0	17 Douglas Fir	410	3		3	22 Y	N	N	N	M		
470 Grand Fir	411	Yes	NO	LIVING		7	0	0	0	0	0	0	7 Douglas Fir	411	3		3	9 Y	N	N	N	M		
471 Hemlock	412	Yes	YES	LIVING		28	7	0	0	0	0	0	25 Hemlock	412	4		3	33 Y	N	N	N	M		
472 Grand Fir	413	Topped	NO	LIVING		28	0	0	0	0	0	0	28 Douglas Fir	413	Topped	4		3	36 Y	N	N	N	M	Top @ 60'
473 Grand Fir	414	Yes	NO	LIVING		9	0	0	0	0	0	0	8 Douglas Fir	414	3		3	10 Y	N	N	N	M		
474 Bigleaf Maple	415	Yes	YES	LIVING		26	15	0	0	0	0	0	18 Bigleaf Maple	415	3		3	23 Y	N	N	N	M		
475 Bigleaf Maple	416	Yes	NO	LIVING		12	0	0	0	0	0	0	12 Bigleaf Maple	416	3		3	16 Y	N	N	N	M		
476 Bigleaf Maple	417	Yes	YES	LIVING		21	14	0	0	0	0	0	14 Bigleaf Maple	417	3		3	18 Y	N	N	N	M		
477 Grand Fir	418	Yes	NO	LIVING		7	0	0	0	0	0	0	7 Douglas Fir	418	3		3	9 Y	N	N	N	M		
478 Grand Fir	419	Yes	NO	Poor		7	0	0	0	0	0	0	7 Douglas Fir	419	4		3	9 Y	N	N	N	M		
479 Grand Fir	420	Topped	NO	LIVING		21	0	0	0	0	0	0	21 Douglas Fir	420	Topped	4		3	27 Y	N	N	N	M	Top @ 60'
480 Douglas Fir	421	Topped	NO	LIVING		26	0	0	0	0	0	0	26 Douglas Fir	421	Topped	4		3	34 Y	N	N	N	M	Top @ 60'
481 Grand Fir	422	Topped	NO	LIVING		18	0	0	0	0	0	0	18 Douglas Fir	422	Topped	3		3	23 Y	N	N	N	M	Top @ 60'
482 Grand Fir	423	Topped	NO	LIVING		19	0	0	0	0	0	0	19 Douglas Fir	423	Topped	4		3	25 Y	N	N	N	M	Top @ 60'
483 Bigleaf Maple	424	Yes	NO	LIVING		16	0	0	0	0	0	0	16 Bigleaf Maple	424	3		3	21 Y	N	N	N	M		
484 Bigleaf Maple	425	Yes	NO	LIVING		7	0	0	0	0	0	0	7 Bigleaf Maple	425	3		3	9 Y	N	N	N	M		
485 Douglas Fir	426	No	NO	LIVING		32	0	0	0	0	0	0	32 Douglas Fir	426	4		3	42 Y	N	N	N	M		
486 Grand Fir	427	No	NO	LIVING		8	0	0	0	0	0	0	8 Douglas Fir	427	3		3	10 Y	N	N	N	M		
487 Grand Fir	428	No	NO	LIVING		11	0	0	0	0	0	0	11 Douglas Fir	428	3		3	14 Y	N	N	N	M		
488 Grand Fir	429	No	NO	LIVING		11	0	0	0	0	0	0	11 Douglas Fir	429	3		3	14 Y	N	N	N	M		
489 Grand Fir	430	No	NO	LIVING		6	0	0	0	0	0	0	6 Douglas Fir	430	3		3	8 Y	N	N	N	M		
490 Bigleaf Maple	431	No	YES	LIVING		18	7	0	0	0	0	0	15 Bigleaf Maple	431	3		3	20 Y	N	N	N	M		
491 Bigleaf Maple	432	No	YES	LIVING		42	17	14	14	0	0	0	19 Bigleaf Maple	432	3		3	25 Y	N	N	N	M		
492 Bigleaf Maple	433	No	YES	LIVING		9	6	0	0	0	0	0	6 Bigleaf Maple	433	3		3	8 Y	N	N	N	M		
498 Bigleaf Maple	439	Yes	NO	LIVING		13	0	0	0	0	0	0	13 Bigleaf Maple	439	3		3	17 Y	N	N	N	M		
499 Douglas Fir	440	Topped	NO	LIVING		22	0	0	0	0	0	0	22 Douglas Fir	440	Topped	4		3	29 Y	N	N	N	M	Top @ 60'
500 Grand Fir	441	Topped	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	441	Topped	3		3	12 Y	N	N	N	M	Top @ 60'
501 Douglas Fir	442	Topped	NO	LIVING		34	0	0	0	0	0	0	34 Douglas Fir	442	Topped	4		3	44 Y	N	N	N	M	Top @ 60'
502 Douglas Fir	443	Topped	NO	LIVING		30	0	0	0	0	0	0	30 Douglas Fir	443	Topped	4		3	39 Y	N	N	N	M	Top @ 60'
503 Bigleaf Maple	444	Yes	YES	LIVING		20	10	0	0	0	0	0	15 Bigleaf Maple	444	4		3	20 Y	N	N	N	M		
504 Douglas Fir	445	Topped	NO	LIVING		42	0	0	0	0	0	0	42 Douglas Fir	445	Topped	4		3	55 Y	N	N	N	M	Top @ 60'
505 Bigleaf Maple	446	Yes	YES	LIVING		23	14	0	0	0	0	0	16 Bigleaf Maple	446	3		3	21 Y	N	N	N	M		
506 Bigleaf Maple	447	Yes	NO	LIVING		9	0	0	0	0	0	0	9 Bigleaf Maple	447	3		3	12 Y	N	N	N	M		
507 Bigleaf Maple	448	Yes	NO	LIVING		14	0	0	0	0	0	0	14 Bigleaf Maple	448	3		3	18 Y	N	N	N	M		
508 Douglas Fir	449	Yes	NO	LIVING		14	0	0	0	0	0	0	14 Douglas Fir	449	3		3	18 Y	N	N	N	M		
509 Bigleaf Maple	450	Yes	NO	LIVING		6	0	0	0	0	0	0	6 Bigleaf Maple	450	3		3	8 Y	N	N	N	M		
510 Grand Fir	451	Yes	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	451	3		3	12 Y	N	N	N	M		
511 Grand Fir	452	Yes	NO	LIVING		6	0	0	0	0	0	0	6 Douglas Fir	452	3		3	8 Y	N	N	N	M		
512 Grand Fir	453	Yes	NO	LIVING		7	0	0	0	0	0	0	7 Douglas Fir	453	3		3	9 Y	N	N	N	M		
513 Bigleaf Maple	454	Yes	NO	LIVING		15	0	0	0	0	0	0	15 Bigleaf Maple	454	3		3	20 Y	N	N	N	M		
514 Bigleaf Maple	455	Yes/Dead	NO	DEAD		10	0	0	0	0	0	0	10 Bigleaf Maple	455	Dead	D		3	13 Y	N	N	N	M	
515 Grand Fir	456	Yes	NO	LIVING		6	0	0	0	0	0	0	6 Douglas Fir	456	3		3	8 Y	N	N	N	M		

516 Bigleaf Maple	457	Yes	NO	LIVING		14	0	0	0	0	0	0	14 Bigleaf Maple	457	3		3	18 Y	N	N	N	M	
517 Douglas Fir	458	Yes	NO	LIVING		22	0	0	0	0	0	0	22 Douglas Fir	458	3		3	29 Y	N	N	N	M	
518 Other	459	Yes	NO	LIVING	Other Hardwood	8	0	0	0	0	0	0	6 Vine Maple	459	3		3	8 Y	N	N	N	M	
519 Bigleaf Maple	460	Yes	YES	LIVING		31	14	0	0	0	0	0	24 Bigleaf Maple	460	3		3	31 Y	N	N	N	M	
520 Bigleaf Maple	461	Yes	YES	LIVING		29	14	6	0	0	0	0	19 Bigleaf Maple	461	3		3	25 Y	N	N	N	M	
521 Bigleaf Maple	462	Yes	NO	LIVING		20	0	0	0	0	0	0	20 Bigleaf Maple	462	3		3	26 Y	N	N	N	M	
522 Grand Fir	463	Yes	NO	LIVING		12	0	0	0	0	0	0	12 Douglas Fir	463	3		3	16 Y	N	N	N	M	
523 Grand Fir	464	Yes	NO	LIVING		8	0	0	0	0	0	0	8 Douglas Fir	464	3		3	10 Y	N	N	N	M	
524 Grand Fir	465	Yes	NO	LIVING		24	0	0	0	0	0	0	24 Douglas Fir	465	3		3	31 Y	N	N	N	M	
525 Grand Fir	466	Yes	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	466	3		3	12 Y	N	N	N	M	
526 Grand Fir	467	Yes	NO	LIVING		6	0	0	0	0	0	0	6 Douglas Fir	467	3		3	8 Y	N	N	N	M	
527 Grand Fir	468	Yes	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	468	3		3	12 Y	N	N	N	M	
528 Bigleaf Maple	469	Yes	YES	LIVING		24	11	9	0	0	0	0	14 Bigleaf Maple	469	3		3	18 Y	N	N	N	M	
529 Douglas Fir	470	Topped	NO	LIVING		30	0	0	0	0	0	0	30 Douglas Fir	470 Topped	3		3	39 Y	N	N	N	M	Top @ 60'
530 Grand Fir	471	Yes	NO	LIVING		6	0	0	0	0	0	0	6 Douglas Fir	471	3		3	8 Y	N	N	N	M	
531 Grand Fir	472	Yes	NO	LIVING		7	0	0	0	0	0	0	7 Douglas Fir	472	3		3	9 Y	N	N	N	M	
532 Grand Fir	473	Topped	YES	LIVING		40	7	0	0	0	0	0	36 Douglas Fir	473 Topped	3		3	47 Y	N	N	N	M	Top @ 60'
533 Red Cedar	474	Yes	NO	LIVING		37	0	0	0	0	0	0	37 Red Cedar	474	3		3	48 Y	N	N	N	M	
534 Cherry	475	Yes	NO	LIVING		10	0	0	0	0	0	0	10 Cherry	475	3		3	13 Y	N	N	N	M	
536 Cherry	477	Yes	NO	LIVING		9	0	0	0	0	0	0	9 Cherry	477	3		3	12 Y	N	N	Y	M	
537 Douglas Fir	478	No	NO	LIVING		17	0	0	0	0	0	0	17 Douglas Fir	478	3		3	22 Y	N	N	N	M	
538 Douglas Fir	479	No	NO	LIVING		28	0	0	0	0	0	0	28 Douglas Fir	479	3		3	36 Y	N	N	N	M	
539 Douglas Fir	480	Topped	NO	LIVING		10	0	0	0	0	0	0	10 Douglas Fir	480 Topped	3		3	13 Y	N	N	N	M	Top @ 60'
540 Douglas Fir	481	No	NO	LIVING		28	0	0	0	0	0	0	28 Douglas Fir	481	3		3	36 Y	N	N	N	M	
541 Douglas Fir	482	No	NO	LIVING		10	0	0	0	0	0	0	10 Douglas Fir	482	3		3	13 Y	N	N	N	M	
542 Bigleaf Maple	483	Yes	YES	LIVING		30	14	13	0	0	0	0	16 Bigleaf Maple	483	3		3	21 Y	N	N	N	M	
544 Grand Fir	485	No	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	485	3		3	12 Y	N	N	N	M	
545 Grand Fir	486	No	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	486	3		3	12 Y	N	N	N	M	
546 Cherry	487	Yes/Dead	NO	DEAD		14	0	0	0	0	0	0	14 Cherry	487 Dead	0		3	18 Y	N	N	Y	M	
547 Bigleaf Maple	488	Yes	NO	LIVING		16	0	0	0	0	0	0	16 Bigleaf Maple	488	3		3	21 Y	N	N	N	M	
548 Bigleaf Maple	489	Yes/Dead	NO	DEAD		9	0	0	0	0	0	0	9 Bigleaf Maple	489 Dead	0		3	12 Y	N	N	N	M	
549 Douglas Fir	490	No	NO	LIVING		34	0	0	0	0	0	0	34 Douglas Fir	490	3		3	44 Y	N	N	N	M	
550 Douglas Fir	491	No	NO	LIVING		32	0	0	0	0	0	0	32 Douglas Fir	491	3		3	42 Y	N	N	N	M	
551 Douglas Fir	492	No	NO	LIVING		36	0	0	0	0	0	0	36 Douglas Fir	492	3		3	47 Y	N	N	N	M	
552 Grand Fir	493	No	NO	LIVING		24	0	0	0	0	0	0	24 Douglas Fir	493	3		3	31 Y	N	N	N	M	
553 Grand Fir	494	No	NO	LIVING		9	0	0	0	0	0	0	9 Douglas Fir	494	3		3	12 Y	N	N	N	M	
554 Grand Fir	495	No	NO	LIVING		12	0	0	0	0	0	0	12 Douglas Fir	495	3		3	16 Y	N	N	N	M	
555 Grand Fir	496	No	NO	LIVING		20	0	0	0	0	0	0	20 Douglas Fir	496	3		3	26 Y	N	N	N	M	
556 Bigleaf Maple	497	No	NO	Poor		17	0	0	0	0	0	0	17 Bigleaf Maple	497	2		3	22 Y	N	N	N	M	
557 Grand Fir	498	No	NO	LIVING		7	0	0	0	0	0	0	7 Douglas Fir	498	3		3	9 Y	N	N	N	M	
558 Bigleaf Maple	499	Yes	NO	Poor		12	0	0	0	0	0	0	12 Bigleaf Maple	499	2		3	16 Y	N	N	N	M	
559 Bigleaf Maple	500	Yes	YES	LIVING		30	14	10	0	0	0	0	18 Bigleaf Maple	500	3		3	23 Y	N	N	N	M	
560 Bigleaf Maple	501	Yes	YES	LIVING		16	9	0	0	0	0	0	12 Bigleaf Maple	501	3		3	16 Y	N	N	N	M	
561 Bigleaf Maple	502	Yes	YES	LIVING		21	12	0	0	0	0	0	15 Bigleaf Maple	502	3		3	20 Y	N	N	N	M	
562 Red Cedar	503	Yes	NO	LIVING		24	0	0	0	0	0	0	24 Red Cedar	503	3		3	31 Y	N	N	N	M	
563 Bigleaf Maple	504	No/Dead	NO	DEAD		12	0	0	0	0	0	0	12 Bigleaf Maple	504 Dead	0		3	16 Y	N	N	N	M	
564 Douglas Fir	505	No	NO	LIVING		53	0	0	0	0	0	0	53 Douglas Fir	505	3		3	69 Y	N	N	N	M	
565 Bigleaf Maple	506	No	YES	LIVING		33	11	6	11	12	0	0	13 Bigleaf Maple	506	3		3	17 Y	N	N	N	M	
566 Bigleaf Maple	507	No	NO	LIVING		7	0	0	0	0	0	0	7 Bigleaf Maple	507	3		3	9 Y	N	N	N	M	
567 Douglas Fir	508	Yes/Dead	NO	DEAD		15	0	0	0	0	0	0	15 Douglas Fir	508 Dead	0		3	20 Y	N	N	N	M	
568 Douglas Fir	509	No	NO	LIVING		24	0	0	0	0	0	0	24 Douglas Fir	509	3		3	31 Y	N	N	N	M	
569 Bigleaf Maple	510	No	NO	LIVING		16	0	0	0	0	0	0	16 Bigleaf Maple	510	3		3	21 Y	N	N	N	M	
570 Bigleaf Maple	511	No	YES	LIVING		22	10	7	0	0	0	0	14 Bigleaf Maple	511	3		3	18 Y	N	N	N	M	
571 Grand Fir	512	No	NO	LIVING		11	0	0	0	0	0	0	11 Grand Fir	512	3		3	14 Y	N	N	N	M	



572 Grand Fir	513 No	NO	LIVING		10	0	0	0	0	0	0	10 Douglas Fir	513	3		3	13 Y	N	N	N	M	
573 Bigleaf Maple	514 No	NO	LIVING		14	0	0	0	0	0	0	14 Bigleaf Maple	514	3		3	18 Y	N	N	N	M	
574 Red Cedar	515 Yes	NO	LIVING		7	0	0	0	0	0	0	7 Red Cedar	515	3		3	9 Y	N	N	N	M	
577 Douglas Fir	582 No	NO	HEALTHY		22	0	0	0	0	0	0	22 Douglas Fir	582	3		3	29 Y	N	N	N	M	
578 Red Alder	583 No	NO	HEALTHY		15	0	0	0	0	0	0	15 Red Alder	583	3		3	20 Y	N	N	N	M	
585 Bigleaf Maple	578 No	YES	HEALTHY		20	13	0	0	0	0	0	13 Bigleaf Maple	578	3		3	17 Y	N	N	N	M	
586 Red Alder	579 No	NO	HEALTHY		10	0	0	0	0	0	0	10 Red Alder	579	3		3	13 Y	N	N	N	M	
587 Douglas Fir	580 No	NO	POOR		9	0	0	0	0	0	0	9 Douglas Fir	580	2		3	12 Y	N	N	N	M	
588 Douglas Fir	581 No	NO	HEALTHY		12	0	0	0	0	0	0	12 Douglas Fir	581	3		3	16 Y	N	N	N	M	
600 Red Alder	596 No	NO	HEALTHY		14	0	0	0	0	0	0	14 Red Alder	596	3		3	18 Y	N	N	N	M	
601 Bigleaf Maple	597 No	YES	HEALTHY		45	18	16	14	0	0	0	21 Bigleaf Maple	597	3		3	27 Y	N	N	N	M	
602 Douglas Fir	598 No	NO	HEALTHY		11	0	0	0	0	0	0	11 Douglas Fir	598	3		3	14 Y	N	N	N	M	
603 Grand Fir	599 No	NO	HEALTHY		11	0	0	0	0	0	0	11 Douglas Fir	599	3		3	14 Y	N	N	N	M	
604 Bigleaf Maple	600 No	YES	HEALTHY		52	17	16	12	11	9	0	19 Bigleaf Maple	600	3		3	25 Y	N	N	N	M	
605 Bigleaf Maple	601 No	NO	POOR		15	0	0	0	0	0	0	15 Bigleaf Maple	601	2		3	20 Y	N	N	N	M	
606 Grand Fir	603 No	NO	POOR		10	0	0	0	0	0	0	10 Douglas Fir	603	2		3	13 Y	N	N	N	M	
607 Bigleaf Maple	602 No	YES	HEALTHY		32	16	13	0	0	0	0	17 Bigleaf Maple	602	2		3	22 Y	N	N	N	M	
608 Bigleaf Maple	604 No	YES	HEALTHY		40	15	15	10	8	0	0	16 Bigleaf Maple	604	3		3	21 Y	N	N	N	M	
609 Douglas Fir	608 No	NO	HEALTHY		9	0	0	0	0	0	0	9 Douglas Fir	608	3		3	12 Y	N	N	N	M	
610 Douglas Fir	606 No	NO	HEALTHY		26	0	0	0	0	0	0	26 Douglas Fir	606	3		3	34 Y	N	N	N	M	
611 Douglas Fir	605 No	NO	HEALTHY		7	0	0	0	0	0	0	7 Douglas Fir	605	3		3	9 Y	N	N	N	M	
612 Bigleaf Maple	608 No	NO	HEALTHY		13	0	0	0	0	0	0	13 Douglas Fir	608	3		3	12 Y	N	N	N	M	
613 Bigleaf Maple	607 No	YES	HEALTHY		19	12	0	0	0	0	0	13 Bigleaf Maple	607	3		3	17 Y	N	N	N	M	
614 Bigleaf Maple	609 No	YES	HEALTHY		44	16	15	14	0	0	0	22 Bigleaf Maple	609	3		3	29 Y	N	N	N	M	
615 Bigleaf Maple	610 No	NO	HEALTHY		15	0	0	0	0	0	0	15 Bigleaf Maple	610	3		3	20 Y	N	N	N	M	
616 Bigleaf Maple	611 No	YES	HEALTHY		26	9	9	0	0	0	0	17 Bigleaf Maple	611	3		3	22 Y	N	N	N	M	
617 Bigleaf Maple	612 No	NO	HEALTHY		17	0	0	0	0	0	0	17 Bigleaf Maple	612	3		3	22 Y	N	N	N	M	
618 Bigleaf Maple	613 No/Dead	NO	DEAD		14	0	0	0	0	0	0	14 Bigleaf Maple	613 Dead	D		3	18 Y	N	N	N	M	
619 Douglas Fir	614 No	NO	HEALTHY		30	0	0	0	0	0	0	30 Douglas Fir	614	3		3	39 Y	N	N	N	M	
620 Bigleaf Maple	615 No	YES	HEALTHY		62	27	25	19	0	0	0	27 Bigleaf Maple	615	3		3	35 Y	N	N	N	M	
621 Bigleaf Maple	616 No	YES	HEALTHY		43	16	0	0	0	0	0	35 Bigleaf Maple	616	3		3	46 Y	N	N	N	M	
622 Bigleaf Maple	617 No	NO	HEALTHY		21	0	0	0	0	0	0	21 Bigleaf Maple	617	3		3	27 Y	N	N	N	M	
623 Douglas Fir	620 No	NO	HEALTHY		13	0	0	0	0	0	0	13 Douglas Fir	620	3		3	17 Y	N	N	N	M	
624 Other	618 No/Dead	NO	DEAD	Spruce	19	0	0	0	0	0	0	19 Spruce	618 Dead	D		3	25 Y	N	N	N	M	
625 Bigleaf Maple	619 No	YES	HEALTHY		46	11	0	0	0	0	0	41 Bigleaf Maple	619	3		3	53 Y	N	N	N	M	
626 Other	621 No	NO	POOR		15	0	0	0	0	0	0	15 Other	621	2		3	20 Y	N	N	N	M	
627 Bigleaf Maple	622 No	YES	HEALTHY		26	12	0	0	0	0	0	20 Bigleaf Maple	622	3		3	26 Y	N	N	N	M	
628 Red Alder	623 Yes	NO	HEALTHY		12	0	0	0	0	0	0	12 Red Alder	623	3		3	16 Y	N	N	N	M	
631 Douglas Fir	626 Yes	NO	HEALTHY		17	0	0	0	0	0	0	17 Douglas Fir	626	3		3	22 Y	N	N	N	M	
632 Douglas Fir	627 Yes	NO	POOR		15	0	0	0	0	0	0	15 Douglas Fir	627	2		3	20 Y	N	N	N	M	
633 Bigleaf Maple	628 Yes	YES	HEALTHY		27	12	0	0	0	0	0	21 Bigleaf Maple	628	2		3	27 Y	N	N	N	M	
634 Red Alder	629 Yes	NO	HEALTHY		11	0	0	0	0	0	0	11 Red Alder	629	3		3	14 Y	N	N	N	M	
635 Douglas Fir	630 Yes	NO	HEALTHY		22	0	0	0	0	0	0	22 Douglas Fir	630	3		3	29 Y	N	N	N	M	
636 Red Alder	631 Yes	YES	HEALTHY		15	8	0	0	0	0	0	11 Red Alder	631	3		3	14 Y	N	N	N	M	
637 Red Cedar	632 Yes	NO	HEALTHY		8	0	0	0	0	0	0	8 Red Cedar	632	3		3	10 Y	N	N	N	M	
638 Red Alder	633 No/Dead	NO	DEAD		12	0	0	0	0	0	0	12 Red Alder	633 Dead	D		3	16 Y	N	N	N	M	
639 Red Alder	634 Yes	NO	HEALTHY		6	0	0	0	0	0	0	6 Red Alder	634	3		3	8 Y	N	N	N	M	
640 Red Alder	635 Yes	YES	HEALTHY		16	10	0	0	0	0	0	11 Red Alder	635	3		3	14 Y	N	N	N	M	
641 Douglas Fir	636 No	NO	HEALTHY		24	0	0	0	0	0	0	24 Douglas Fir	636	3		3	31 Y	N	N	N	M	
642 Douglas Fir	637 No	NO	HEALTHY		23	0	0	0	0	0	0	23 Douglas Fir	637	3		3	30 Y	N	N	N	M	
643 Douglas Fir	639 Yes	NO	DEAD	Girdled	17	0	0	0	0	0	0	17 Douglas Fir	639 Dead	D		3	22 Y	N	N	N	M	Girdled
644 Bigleaf Maple	642 No	NO	POOR		8	0	0	0	0	0	0	8 Bigleaf Maple	642	2		3	10 Y	N	N	N	M	
645 Bigleaf Maple	643 No	NO	POOR		10	0	0	0	0	0	0	10 Bigleaf Maple	643	2		3	13 Y	N	N	N	M	
646 Bigleaf Maple	641 No	NO	POOR		9	0	0	0	0	0	0	9 Bigleaf Maple	641	2		3	12 Y	N	N	N	M	

647 Bigleaf Maple	640 No	NO	POOR		9	0	0	0	0	0	0	0	9 Bigleaf Maple	640	2		3	12 Y	N	N	N	M	
648 Douglas Fir	638 No	NO	HEALTHY		10	0	0	0	0	0	0	0	10 Douglas Fir	638	3		3	13 Y	N	N	N	M	
649 Douglas Fir	644 Yes	NO	DEAD	Girdled	20	0	0	0	0	0	0	0	20 Douglas Fir	644 Dead	0		3	26 Y	N	N	N	M	Girdled
650 Douglas Fir	645 Yes	NO	DEAD	Girdled	21	0	0	0	0	0	0	0	21 Douglas Fir	645	0		3	27 Y	N	N	N	M	Girdled
651 Douglas Fir	646 Yes	YES	HEALTHY		22	7	0	0	0	0	0	0	18 Douglas Fir	646	3		3	23 Y	N	N	N	M	
652 Douglas Fir	647 Yes	NO	HEALTHY		13	0	0	0	0	0	0	0	13 Douglas Fir	647	3		3	17 Y	N	N	N	M	
653 Douglas Fir	648 Yes	NO	HEALTHY		9	0	0	0	0	0	0	0	8 Douglas Fir	648	3		3	10 Y	N	N	N	M	
654 Douglas Fir	649 Yes	NO	HEALTHY		24	0	0	0	0	0	0	0	24 Douglas Fir	649	3		3	31 Y	N	N	N	M	
655 Douglas Fir	650 Yes	NO	HEALTHY		11	0	0	0	0	0	0	0	11 Douglas Fir	650	3		3	14 Y	N	N	N	M	
656 Douglas Fir	652 Yes	NO	HEALTHY		11	0	0	0	0	0	0	0	11 Douglas Fir	652	3		3	14 Y	N	N	N	M	
657 Douglas Fir	651 Yes	NO	HEALTHY		29	0	0	0	0	0	0	0	29 Douglas Fir	651	3		3	38 Y	N	N	N	M	
658 Bigleaf Maple	653 Yes	YES	HEALTHY		20	11	6	0	0	0	0	0	12 Bigleaf Maple	653	3		3	16 Y	N	N	N	M	
659 Douglas Fir	654 Yes	NO	HEALTHY		30	0	0	0	0	0	0	0	30 Douglas Fir	654	3		3	39 Y	N	N	N	M	
660 Douglas Fir	655 Yes	NO	HEALTHY		11	0	0	0	0	0	0	0	11 Douglas Fir	655	3		3	14 Y	N	N	N	M	
661 Cherry	657 Yes	NO	HEALTHY		8	0	0	0	0	0	0	0	8 Cherry	657	3		3	10 Y	N	N	Y	M	
662 Cherry	658 Yes	NO	HEALTHY		7	0	0	0	0	0	0	0	7 Cherry	658	3		3	9 Y	N	N	Y	M	
663 Cherry	659 Yes	NO	HEALTHY		9	0	0	0	0	0	0	0	8 Cherry	659	3		3	10 Y	N	N	Y	M	
664 Douglas Fir	660 Yes	NO	HEALTHY		24	0	0	0	0	0	0	0	24 Douglas Fir	660	3		3	31 Y	N	N	N	M	
665 Douglas Fir	661 Yes	NO	HEALTHY		37	0	0	0	0	0	0	0	37 Douglas Fir	661	3		3	48 Y	N	N	N	M	
666 Bigleaf Maple	662 Yes	NO	HEALTHY		21	0	0	0	0	0	0	0	21 Bigleaf Maple	662	3		3	27 Y	N	N	N	M	
667 Grand Fir	663 Yes	NO	HEALTHY		13	0	0	0	0	0	0	0	13 Douglas Fir	663	3		3	17 Y	N	N	N	M	
668 Douglas Fir	664 Yes	NO	HEALTHY		17	0	0	0	0	0	0	0	17 Douglas Fir	664	3		3	22 Y	N	N	N	M	
669 Douglas Fir	665 Yes	NO	HEALTHY		15	0	0	0	0	0	0	0	15 Douglas Fir	665	3		3	20 Y	N	N	N	M	
670 Grand Fir	666 Yes	NO	HEALTHY		7	0	0	0	0	0	0	0	7 Douglas Fir	666	3		3	9 Y	N	N	N	M	
671 Bigleaf Maple	666 Yes	NO	HEALTHY		15	0	0	0	0	0	0	0	15 Bigleaf Maple	666	3		3	20 Y	N	N	N	M	
672 Douglas Fir	667 Yes	NO	HEALTHY		10	0	0	0	0	0	0	0	10 Douglas Fir	667	3		3	13 Y	N	N	N	M	
673 Bigleaf Maple	668 Yes	YES	POOR		38	18	12	11	0	0	0	0	18 Bigleaf Maple	668	2		3	23 Y	N	N	N	M	
674 Douglas Fir	669 Yes	NO	HEALTHY		13	0	0	0	0	0	0	0	13 Douglas Fir	669	3		3	17 Y	N	N	N	M	
675 Bigleaf Maple	670 Yes	YES	HEALTHY		36	17	15	0	0	0	0	0	20 Bigleaf Maple	670	3		3	26 Y	N	N	N	M	
676 Bigleaf Maple	671 Yes	YES	HEALTHY		13	8	0	0	0	0	0	0	9 Bigleaf Maple	671	3		3	12 Y	N	N	N	M	
677 Douglas Fir	672 Yes	NO	HEALTHY		23	0	0	0	0	0	0	0	23 Douglas Fir	672	4		3	30 Y	N	N	N	M	
678 Douglas Fir	673 Yes	NO	HEALTHY		26	0	0	0	0	0	0	0	26 Douglas Fir	673	4		3	34 Y	N	N	N	M	
679 Douglas Fir	674 Yes	YES	HEALTHY		32	11	0	0	0	0	0	0	26 Douglas Fir	674	4		3	34 Y	N	N	N	M	
680 Grand Fir	675 Yes	NO	HEALTHY		15	0	0	0	0	0	0	0	15 Douglas Fir	675	3		3	20 Y	N	N	N	M	
681 Grand Fir	676 Yes	NO	HEALTHY		14	0	0	0	0	0	0	0	14 Douglas Fir	676	3		3	18 Y	N	N	N	M	
682 Douglas Fir	677 Yes	NO	HEALTHY		23	0	0	0	0	0	0	0	23 Douglas Fir	677	3		3	30 Y	N	N	N	M	
683 Grand Fir	678 Yes	NO	POOR		11	0	0	0	0	0	0	0	11 Douglas Fir	678	2		3	14 Y	N	N	N	M	
684 Douglas Fir	679 Yes	NO	HEALTHY		21	0	0	0	0	0	0	0	21 Douglas Fir	679	3		3	27 Y	N	N	N	M	
685 Douglas Fir	680 Yes	NO	HEALTHY		9	0	0	0	0	0	0	0	9 Douglas Fir	680	3		3	12 Y	N	N	N	M	
686 Red Alder	681 Yes	NO	POOR		19	0	0	0	0	0	0	0	19 Red Alder	681	3		3	25 Y	N	N	N	M	
687 Grand Fir	682 Yes	NO	HEALTHY		13	0	0	0	0	0	0	0	13 Douglas Fir	682	3		3	17 Y	N	N	N	M	
688 Grand Fir	683 Yes	NO	HEALTHY		10	0	0	0	0	0	0	0	10 Douglas Fir	683	3		3	13 Y	N	N	N	M	
689 Grand Fir	684 Yes	NO	HEALTHY		11	0	0	0	0	0	0	0	11 Douglas Fir	684	3		3	14 Y	N	N	N	M	
690 Douglas Fir	685 Yes	NO	HEALTHY		25	0	0	0	0	0	0	0	25 Douglas Fir	685	4		3	33 Y	N	N	N	M	
691 Grand Fir	686 Yes	NO	HEALTHY		12	0	0	0	0	0	0	0	12 Douglas Fir	686	3		3	16 Y	N	N	N	M	
692 Grand Fir	687 Yes	NO	HEALTHY		13	0	0	0	0	0	0	0	13 Douglas Fir	687	3		3	17 Y	N	N	N	M	
693 Douglas Fir	688 Yes	NO	HEALTHY		40	0	0	0	0	0	0	0	40 Douglas Fir	688	4		3	52 Y	N	N	N	M	
694 Red Alder	689 No	NO	HEALTHY		9	0	0	0	0	0	0	0	9 Red Alder	689	3		3	12 Y	N	N	N	M	
695 Cherry	690 No	NO	POOR		7	0	0	0	0	0	0	0	7 Cherry	690	2		3	9 Y	N	N	Y	M	
696 Bigleaf Maple	691 No	YES	HEALTHY		22	8	8	6	6	0	0	0	8 Bigleaf Maple	691	3		3	10 Y	N	N	N	M	
697 Douglas Fir	692 No	NO	HEALTHY		12	0	0	0	0	0	0	0	12 Douglas Fir	692	3		3	16 Y	N	N	N	M	
698 Douglas Fir	693 Yes	NO	HEALTHY		22	0	0	0	0	0	0	0	22 Douglas Fir	693	3		3	29 Y	N	N	N	M	
699 Grand Fir	694 No/Dead	NO	DEAD		24	0	0	0	0	0	0	0	24 Douglas Fir	694 Dead	0		3	31 Y	N	N	N	M	
700 Douglas Fir	695 Yes	NO	HEALTHY		16	0	0	0	0	0	0	0	16 Douglas Fir	695	3		3	21 Y	N	N	N	M	

701 Douglas Fir	75 Yes/Dead	NO	DEAD		17	0	0	0	0	0	0	17 Douglas Fir	695 Dead	3		3	21 Y	N	N	N	M	
702 Douglas Fir	696 Yes/Dead	NO	DEAD		24	0	0	0	0	0	0	24 Douglas Fir	696 Dead	0		3	31 Y	N	N	N	M	
703 Douglas Fir	697 Yes	NO	HEALTHY		31	0	0	0	0	0	0	31 Douglas Fir	697	4		3	40 Y	N	N	N	M	

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-122.802854000	45.61041756000	32	
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-122.802854000	45.61041303000	62	

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**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2  
**Sent:** Thursday, March 28, 2024 9:32 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA; Dondy-Kaplan,Hannah A (BPA) - AIR-7  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

Thanks. I had considered leaving that out and I think I will.

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Thursday, March 28, 2024 9:09 AM  
**To:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

Hey Troy,

Please see my one note below.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)  
[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#)

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**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>  
**Sent:** Thursday, March 28, 2024 8:44 AM  
**To:** Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>; Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

Billie, do you have any edits to my notes below. PGE is asking for an update, and I don't want to cause more confusion. He added Randy Franks to the email. Is that someone you meet with?

---

**From:** Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Sent:** Thursday, March 21, 2024 11:10 AM  
**To:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

I'll let Billie edit it Troy since she's the expert, but I think there's a few inaccuracies here to fix.

Hannah Dondy-Kaplan  
(b)(6)

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**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>  
**Sent:** Thursday, March 21, 2024 10:53 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>; Dondy-Kaplan,Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

Before I respond to PGE, I want to run it by you.

Let me know if you have any edits to my responses below.

Thanks,  
Troy

It was a meeting with the Realty person working on the project and our Public Affairs. It was primarily to level set but here are some highlights:

- Multiple land use requests are being processed simultaneously.
- Both crossings require NEPA review. NEPA review takes time.
- PGE has two undocumented crossings of our fee owned property.
- PGE engineers delaying getting us info because of project uncertainty. We'd like the info with the uncertainties noted. [This was causing a delay, but we've received everything so far.](#)
- PGE wants to install a structure on BPA fee owned property with significant ground disturbance.
- There is a land rights discrepancy. PGE/BPA think BPA owns it. The City of Portland is using Multnomah County Tax Assessor as a basis to assert ownership. PGE spent a lot of time and money researching the title and agrees, BPA owns.
- PGE wants to upgrade some roads on BPA property. There appears to be agreements allowing that but the improvements need to be to BPA standards.

---

**From:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>  
**Sent:** Thursday, March 21, 2024 10:40 AM  
**To:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Markley,Gordon L (BPA) - TPCV-TPP-4 <[glmarkley@bpa.gov](mailto:glmarkley@bpa.gov)>  
**Subject:** [EXTERNAL] Forest Park Harborton Reconfig

Troy, were there any notes coming out of the meeting BPA had yesterday?

---

**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2  
**Sent:** Thursday, March 28, 2024 3:00 PM  
**To:** Johnny Useldinger; Markley,Gordon L (BPA) - TPCV-TPP-4; Woodman,Billie J (BPA) - TERR-ROSS MHQA; Dondy-Kaplan,Hannah A (BPA) - AIR-7  
**Cc:** Randy Franks; Shaun Foster  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

Here are my notes:

- Multiple land use requests are being processed simultaneously.
- Both crossings require NEPA review. NEPA review takes time.
- PGE has two undocumented crossings of our fee owned property.
- PGE wants to install a structure on BPA fee owned property with significant ground disturbance.
- There is a land rights discrepancy. PGE/BPA think BPA owns it. The City of Portland is using Multnomah County Tax Assessor as a basis to assert ownership. PGE spent a lot of time and money researching the title and agrees, BPA owns.
- PGE wants to upgrade some roads on BPA property. There appears to be agreements allowing that, but the improvements need to be to BPA standards.

---

**From:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>  
**Sent:** Thursday, March 28, 2024 8:40 AM  
**To:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Markley,Gordon L (BPA) - TPCV-TPP-4 <[glmarkley@bpa.gov](mailto:glmarkley@bpa.gov)>  
**Cc:** Randy Franks <[randy.franks@pgn.com](mailto:randy.franks@pgn.com)>; Shaun Foster <[Shaun.Foster@pgn.com](mailto:Shaun.Foster@pgn.com)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

Hey Troy, I am following back up here to see if you've had a chance to verify your notes. Thanks!!

---

**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>  
**Sent:** Thursday, March 21, 2024 1:54 PM  
**To:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>; Markley,Gordon L (BPA) - TPCV-TPP-4 <[glmarkley@bpa.gov](mailto:glmarkley@bpa.gov)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

My notes are a mess. I'm verifying with the Realty expert and will pass along when she's confirmed.

---

**From:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>  
**Sent:** Thursday, March 21, 2024 10:40 AM  
**To:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Markley,Gordon L (BPA) - TPCV-TPP-4 <[glmarkley@bpa.gov](mailto:glmarkley@bpa.gov)>  
**Subject:** [EXTERNAL] Forest Park Harborton Reconfig

Troy, were there any notes coming out of the meeting BPA had yesterday?



---

**From:** Tina Tippin <Tina.Tippin@pgn.com>  
**Sent:** Tuesday, April 2, 2024 2:50 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA; Randy Franks  
**Cc:** Master,Laura M (CONTR) - TERR-3  
**Subject:** RE: [EXTERNAL] RE: M2863881 PGE's 230kV Forest Project 3/7/24 meeting notes

Hi Billie, any update on the NEPA review?

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Sent:** Tuesday, April 2, 2024 2:38 PM  
**To:** Randy Franks <randy.franks@pgn.com>; Tina Tippin <Tina.Tippin@pgn.com>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <Immater@bpa.gov>  
**Subject:** RE: [EXTERNAL] RE: M2863881 PGE's 230kV Forest Project 3/7/24 meeting notes

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

I will let the Access Road Engineer know.

thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [bpa.gov]

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**From:** Randy Franks <[randy.franks@pgn.com](mailto:randy.franks@pgn.com)>  
**Sent:** Tuesday, April 2, 2024 2:34 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>; Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[Immater@bpa.gov](mailto:Immater@bpa.gov)>  
**Subject:** Re: [EXTERNAL] RE: M2863881 PGE's 230kV Forest Project 3/7/24 meeting notes

Is it at all possible to get the specs by end of this week? We are done to the final days here preparing our land use application.

**Randy Franks** Sr. Project Manager | 503-867-2529

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Tuesday, April 2, 2024 2:29 PM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Cc:** Randy Franks <[randy.franks@pgn.com](mailto:randy.franks@pgn.com)>; Master,Laura M (CONTR) - TERR-3 <[Immasteer@bpa.gov](mailto:Immasteer@bpa.gov)>  
**Subject:** RE: [EXTERNAL] RE: M2863881 PGE's 230kV Forest Project 3/7/24 meeting notes

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Hey Tina,

I reviewed the meeting notes and I think everything looks good.

I am still waiting to hear back on the road spec request and once I do I will send your direction. Once PGE has a chance to review the road specs, let's look for a time to meet up again.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [[bpa.gov](#)]

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**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Wednesday, March 13, 2024 10:12 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Cc:** Randy Franks <[randy.franks@pgn.com](mailto:randy.franks@pgn.com)>  
**Subject:** [EXTERNAL] RE: M2863881 PGE's 230kV Forest Project 3/7/24 meeting notes

Hi Billie,

Thanks for getting the BPA Team together with the PGE Team last week. As we discussed, here is a copy of the notes we drafted. Please look them over and let me know if there are any changes.

Let's also look at scheduling another meeting. We could probably get the Forestry/Natural Resource/Environmental folks together and the roadway teams to keep both projects moving.

I look forward to hearing from you.

Thanks, Tina

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Wednesday, March 6, 2024 2:09 PM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

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Hey Tina,

Please see the attached Agenda. I only made a couple minor corrections to the BPA Attendees.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [bpa.gov]

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**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Sent:** Wednesday, March 6, 2024 12:04 PM

**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

Hi Billie,

We create an agenda for tomorrow's meeting.

Please let me know if you have any additions/corrections.

Thanks, Tina

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Sent:** Monday, March 4, 2024 12:17 PM

**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

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Hey Tina,

I don't think anyone from BPA's side will be available to meet in person with this short of notice.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA



Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)  
[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [bpa.gov]

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**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Monday, March 4, 2024 12:11 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project  
**Importance:** High

Hi Billie,

I'm getting pressure to see if there will be any BPA Team members in an office together. If so, some of us would really prefer to meet in person.

Please let me know ASAP.

Thanks, Tina

---

**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Tuesday, February 27, 2024 3:09 PM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

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Thanks Tina,

I think we will do it via Teams. Plan is not to transfer anything over to COP, but retain BPA's rights and get them corrected with the county.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA  
Bonneville Power Administration  
1211 NE Minnehaha St, Vancouver, WA 98665  
Office: 503-230-4702 | Cell: (b)(6)  
[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#) [bpa.gov]

---

**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Sent:** Tuesday, February 27, 2024 3:04 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

Hi Billie,



Good to hear from you. Let me circulate the mapping and see what the feedback is.

I will also check schedules and find out what date works for us. Do we want to do this on Teams or in person?

PGE met with BPA engineers last August about our project. I think we are good in that regards.

As for the ownership discrepancy, please let us know if BPA is/will at any time be transferring the ownership to COP or if there is resolution in the dispute.

Thanks, Tina

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**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Tuesday, February 27, 2024 2:52 PM  
**To:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>  
**Subject:** RE: [EXTERNAL] M2863881 PGE's 230kV Forest Project

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Good Afternoon Tina,

I met with the BPA project team to discuss the road portion of PGE's request through Forest Park. Would PGE be willing to include the road on the attachment, shown as Road 002-03-1 as part of PGE's road improvement work, along with the landing site, identified by the blue L on the said attachment?

I will follow up with a map identifying BPA's roads as part of BPA's project (TER ID 21-0082 St Johns-St Helens)

I have reached out to BPA's Environmental Group to discuss how to cover this work under NEPA review or is a NEPA review will be required and hope to hear back soon. Once I do I will send you an update.

BPA's Natural Resource Specialist is Brian Luis. His contact information is: [bjluis@bpa.gov](mailto:bjluis@bpa.gov) | O: 360-418-8105. He should be able to assist with any tree or vegetation questions you may have, including if NEPA will be required for any vegetation work.

If you would like to have a project team meeting with BPA, BPA's project team is available for the following times. If these times don't work, please let me know and we will look for additional availability. BPA will hopefully have Realty: myself, Laura Master and Dan Brunell, BPA Project Manager: Donna Martin, Access Road Engineer: Lee Fricke, Natural Resource Specialist: Brian Luis and BPA's Environmental Group: Justin Carr, Bob Cromwell and Walker Stinnette. If PGE could have your vegetation, environment, access road engineer and anyone involved that would be great. This meeting will be for the road request portion only and BPA will not have any Electrical Engineers present as the 230kV crossings are being handled separately under Cases 20240113 & 20240114. If PGE would like a meeting with BPA's electrical engineers please let me know and I can setup a separate meeting.

- March 7, 2024 | 9 AM – 10 AM
- March 7, 2024 | 10 AM – 11 AM
- March 8, 2024 | 9 AM – 10 AM
- March 8, 2024 | 1 PM – 2 PM

Lastly, the ownership discrepancy. I am still working with the City of Portland through their Forest Park Rep (Stephen Bouffard) to get us on the same page. I am also engaging with Multnomah County to (hopefully) get the records clarified and corrected. As soon as I know more I will let you know.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\) \[bpa.gov\]](#)

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**From:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Sent:** Monday, February 26, 2024 7:14 AM

**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>

**Cc:** Tina Tippin <[Tina.Tippin@pgn.com](mailto:Tina.Tippin@pgn.com)>

**Subject:** [EXTERNAL] M2863881 PGE's 230kV Forest Project

Hi Billie,

I hope all is well with you. Sorry I didn't get this over to you last week. It has been a busy crazy couple of days with a lot of meetings, including a couple of on-site visits.

Here is the survey material my surveyor has created. Please have your surveyor look it over and see if he/she would like to meet.

When you get a chance can you send over your Forester/Landscape/Vegetation contact for us? I'm sure our various contacts have been reaching out to anyone and everyone they think might be able to make the connection. Our Forester is Dianna Shervcy but we are also having contractors doing studies and proposed work for our project so I'm not 100% sure who might be trying to reach out. What I do know is we'd like BPA's input on "dangerous" trees and proposed removals we'd like to make.

Have a great day. I look forward to hearing from you.

**Tina Tippin**, Sr Property Specialist, Property Rights Organization 503-464-7672 | (b)(6) (c)

**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2  
**Sent:** Monday, April 8, 2024 9:27 AM  
**To:** Miller,Mike P (BPA) - TE-DITT-2; Cook,Jeffrey W (BPA) - TP-DITT-2; Bustamante,Richard (BPA) - TO-DITT-2; Manary,Michelle L (BPA) - TS-DITT-2; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2; Lee,Christina A (BPA) - TPPD-OPP-3; Heredia,Anita L (TFE)(BPA) - TPLE-TPP-2  
**Cc:** Orth,Erich T (BPA) - TEPP-TPP-1; Kosterev,Dmitry (BPA) - TPP-OPP-3; Wick,Martin A (BPA) - TPCV-TPP-4; Woodman,Billie J (BPA) - TERR-ROSS MHQA; Dondy-Kaplan,Hannah A (BPA) - AIR-7; Kuraspediani,Daniel K (TFE)(BPA) - TOOP-DITT-2; Kalmykov,Viktor I (TFE)(BPA) - TOOP-DITT-2  
**Subject:** FW: [EXTERNAL] RE: PGE | BPA Joint Executive Meeting (Virtual)

Below is the agenda PGE provided for Friday’s executive meeting. I’ve added my updates and the proposed responders in red. If a name has a “?”, they are not currently invited to the meeting. Let me know if you would like it forwarded to you.

Please let me know if you have any questions.

Troy

**From:** Shaun Foster <Shaun.Foster@pgn.com>  
**Sent:** Friday, April 5, 2024 2:22 PM  
**To:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <tdsimpson@bpa.gov>; Johnny Useldinger <Johnny.Useldinger@pgn.com>  
**Subject:** [EXTERNAL] RE: PGE | BPA Joint Executive Meeting (Virtual)

Hi Troy,

Here is the high level draft agenda for us to iterate on as we approach next Friday.

- Not Responsive
- 
- Forest Park Access: Road (Mike/Troy/Billie?) My notes below.
  - Multiple land use requests are being processed simultaneously.
  - Both crossings require NEPA review. NEPA review takes time.



- PGE has two undocumented crossings of our fee owned property.
- PGE wants to install a structure on BPA fee owned property with significant ground disturbance.
- There is a land rights discrepancy. PGE/BPA think BPA owns it. The City of Portland is using Multnomah County Tax Assessor as a basis to assert ownership. PGE spent a lot of time and money researching the title and agrees, BPA owns.
- PGE wants to upgrade some roads on BPA property. There appears to be agreements allowing that, but the improvements need to be to BPA standards.

- Not Responsive
- 
- 
- 

Have a great weekend

**Shaun Foster** Senior Manager, Transmission Development | 503-464-7945

**From:** Simpson,Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>

**Sent:** Thursday, April 4, 2024 8:36 AM

**To:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>; Shaun Foster <[Shaun.Foster@pgn.com](mailto:Shaun.Foster@pgn.com)>

**Subject:** RE: PGE | BPA Joint Executive Meeting (Virtual)

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

Hi Johnny and Shaun,

Just a reminder that the next VP meeting is next week. Please let us know the agenda you have in mind so we can be prepared.

Thanks,  
Troy

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

**From:** Cristal Metz <[Cristal.Metz@pgn.com](mailto:Cristal.Metz@pgn.com)>

**Sent:** Tuesday, March 19, 2024 12:24 PM

**To:** Cristal Metz; Larry Bekkedahl; Shaun Foster; Pam Sporborg; Johnny Useldinger; Ian Beil - Transmission; Shaheen,Richard L (BPA) - T-DITT-2; Manary,Michelle L (BPA) - TS-DITT-2; Cook,Jeffrey W (BPA) - TP-DITT-2; Jennifer Galaway; Miller,Mike P (BPA) - TE-DITT-2; JD Podlesnik; Bustamante,Richard (BPA) - TO-DITT-2; Aggarwal,Ravi K (TFE)(BPA) - TPL-TPP-2; Simpson,Troy D (TFE)(BPA) - TSE-TPP-2; Christopher Kulink - Transmission; Kosterev,Dmitry (BPA) - TPP-OPP-3; Geyer,Sheryl A (CONTR) - TPP-OPP-3; Lee,Christina A (BPA) - TPPD-OPP-3; Heredia,Anita L (TFE)(BPA) - TPLE-TPP-2

**Cc:** Moditz,Tina (BPA) - TP-DITT-2; McKay,Barbara A (BPA) - TS-DITT-2; Juber,Angela C (BPA) - TO-DITT-2; Brookshire,Sherry S (BPA) - T-DITT-2; Kitali,Salah H (BPA) - TP-TPP-2

**Subject:** [EXTERNAL] PGE | BPA Joint Executive Meeting (Virtual)

**When:** Friday, April 12, 2024 1:00 PM-2:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Webex Info within



You can forward this invitation to others.

**Barbara McKay is inviting you to a scheduled Webex meeting.**

Friday, April 12, 2024

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

**Join meeting** [\[mybpa.webex.com\]](#)

**More ways to join:**

**Join from the meeting link**

(b)(6)

[ab3d51 \[mybpa.webex.com\]](#)

**Join by meeting number**

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

Meeting password: (b)(6)

**Tap to join from a mobile device (attendees only)**

(b) (6)

US Toll

**Join by phone**

+1-415-527-5035 US Toll

[Global call-in numbers \[mybpa.webex.com\]](#)

Join from a video system or application

Dial (b)(6)

Need help? Go to <https://help.webex.com> [[help.webex.com](https://help.webex.com)]

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**From:** Dalrymple, Troy E (BPA) - TFVK-ROSS MHQA  
**Sent:** Monday, April 22, 2024 4:02 PM  
**To:** Master, Laura M (CONTR) - TERR-3; Woodman, Billie J (BPA) - TERR-ROSS MHQA  
**Subject:** 20240114LURR.pdf  
**Attachments:** 20240114LURR.pdf

U.S. DEPARTMENT OF ENERGY – BONNEVILLE POWER ADMINISTRATION (BPA)  
LAND USE REVIEW REQUEST

1. Case Number \_\_\_\_\_ 2. Date \_\_\_\_\_

3. From: Real Property Management – TERR-3 \_\_\_\_\_

4. To:

A. Transmission Line Engineering: TELC – TPP-3

B. Pollution Prev. Abate: Joseph Sharpe – EP-4

C. Environment Comp. Transmission: ECT-4

D. Survey and Mapping: Yelena Knight – TERG – TPP-4

E. Lineman Foreman III: \_\_\_\_\_

F. Natural Resource Specialist: \_\_\_\_\_

G. Chief Substation Operator: \_\_\_\_\_

H. District Ops. & Mait. Manager \_\_\_\_\_

I. Customer Account Executive (Name) (See web Link: [CSE Customer Assignment](#)) \_\_\_\_\_

J. Customer Service Engineer (Name) \_\_\_\_\_

K. Other (Name) \_\_\_\_\_

5. Brief Summary of Application or Encroachment

6. Applicant or Encroacher Name \_\_\_\_\_

7. Operating & Design Name of Line(s) and/or Substation(s)

8a. Tracts Easement \_\_\_\_\_

8b. Lead Tract ID \_\_\_\_\_

8c. Tracts Fee \_\_\_\_\_

8d. Multiple Lead Tracts \_\_\_\_\_

9a. Location ( $\frac{1}{4}$   $\frac{1}{4}$ ) \_\_\_\_\_ 9b. Section \_\_\_\_\_ 9c. Township \_\_\_\_\_

9d. Range \_\_\_\_\_ 9e. Meridian \_\_\_\_\_ 9f. County \_\_\_\_\_ 9g. State \_\_\_\_\_

File Code: PA-1300; Retention: Destroy no sooner than 20 years after the records are closed.



**LAND USE REVIEW REQUEST**

10. Attachments:

A. Encroachment Report      B. Letter of Application      C. Application for Proposed Use of BPA Right-of-Way

D. BPA Drawing(s) \_\_\_\_\_

E. Other Drawings \_\_\_\_\_

F. Other Attachments or Comments: \_\_\_\_\_

11. Realty Specialist/Right-of-Way Agent/Phone/Routing

\_\_\_\_\_  
Signature

12a. This request is referred for evaluation and comments, including adverse effects on future plans.

See Attached Comments      Approved as Requested      See Attached Transmission Electrical Design Comment Sheet

No Review Requested at This Time      See Attached TLM Comment Sheet      Request Meeting with all Reviewers

12b. Please make comments or reservations in relation to your area of expertise.

**TRANSMISSION LINE MAINTENANCE LURR SECTION**

13. Operating Line Name(s) \_\_\_\_\_

14. TLM Log Number \_\_\_\_\_ 15. Case Number \_\_\_\_\_

Unacceptable

TLM, TELC, TERR, NRS Requests a Meeting

A distance of at least \_\_\_\_\_ feet from conductors (*wires in the area*), and the \_\_\_\_\_

Acceptable as Proposed

Acceptable with Following Provisions (*See comments on page 3*)

## LAND USE REVIEW REQUEST

All **above ground** uses must maintain a distance of at least 50-feet from all structures. *(Exception: where vegetation is concerned – see comments below)*

Any **underground** portion of the project is required to be built to HL-93 loading standards or to State and Local regulations whichever is greater. Also, maintain a distance of at least 50-ft from all steel lattice structures, and 25-ft from all pole structures. *(Exceptions: septic/drain fields – see comments below).*

Please note: Buried BPA **underground facilities**, i.e., counterpoise, fiber vaults, etc. may be present and require \_\_\_\_\_ feet of clearance.

All approved fences shall have a 16-foot gate(s) installed at the approved location for access by BPA maintenance vehicles and BPA is permitted to use its own TM locks, where needed.

Access road use requires joint inspection with applicant and TLM/NRS personnel prior to use - and - an additional inspection at the time of termination of any use/agreement must be made prior to release.

Shall have a BPA approved safety watcher present during construction of the project.

Vegetation – Landscape, low growing vegetation, and shrubs, should not exceed \_\_\_\_\_ feet in height, and **must** be at least 50-feet (or \_\_\_\_\_ ) away from any structure.

T & B required – see your NRS for Christmas Tree and Commercial Orchard requirements.

Comments:

Reviewer Name \_\_\_\_\_ Reviewer Work Phone Number \_\_\_\_\_ Date \_\_\_\_\_

File Code: PA-1300; Retention: Destroy no sooner than 20 years after the records are closed.

U.S. DEPARTMENT OF ENERGY - BONNEVILLE POWER ADMINISTRATION (BPA)  
APPLICATION FOR PROPOSED USE OF BPA RIGHT-OF-WAY  
1-800-282-3713

Ask for Real Property Services or a contact person from web site. <a href="http://www.bpa.gov/factof/LandsCommunity">www.bpa.gov/factof/LandsCommunity</a>		Date: _____
<b>Privacy Act Statement</b> Authority: 42 USC § 7101 and 50 USC § 2401 Purpose: BPA will use this information to assess whether your proposed use of our right-of-way will interfere with BPA's land rights. Routine Uses: This information is authorized to be maintained in Privacy Act system of records DOE-24, "Land Records System." Other routine uses for which this information may be disclosed are listed in the Privacy Act system of records notice for DOE-24, which is published in the Federal Register. Disclosure: Voluntary; however, failure to provide complete information may result in a delay or denial of your application.		
Applicant is required to complete all of page 1. If not submitting an attached map, plan or sketch, page 2 is required.		
Checks will not be accepted. Remit payment to BPA electronically. To make payment using Google Chrome, Firefox, or Edge browser, navigate to <a href="https://www.bpa.gov/goto/HowtoPay">https://www.bpa.gov/goto/HowtoPay</a> ; select the blue hyperlink MAKE PAYMENT NOW; select the blue CONTINUE TO FORM button; under Purpose of Payment select REALTY APPLICATION FEE and fill out remaining fields with an *; select CONTINUE to submit payment. Please make sure to select the appropriate box below before making your payment. You should receive a confirmation when finished.		
<input type="checkbox"/> <b>NO APPLICATION FEE</b> For individual landowners requesting personal use of BPA Right-of-Way	<input type="checkbox"/> <b>\$250 APPLICATION FEE</b> For developments or subdivisions. Application fee is non-refundable.	<input type="checkbox"/> <b>\$2500 APPLICATION FEE</b> For longitudinal occupancies that require multiple miles of BPA Right-of-Way. Application fee is non-refundable.
<b>Applicant</b>		<b>Owner</b> (Complete only if the applicant is not the owner.)
1. NAME _____		4. NAME _____
2. ADDRESS, CITY, STATE, ZIP _____		5. ADDRESS, CITY, STATE, ZIP _____
3. TELEPHONE NO. _____ EMAIL ADDRESS: _____ FAX NO: _____		6. TELEPHONE NO. _____ EMAIL ADDRESS: _____ FAX NO: _____
7. LOCATION OF PROPERTY (Legal description of the property. This information is on your title, insurance policy, courthouse deed, or your tax statement.) (PROVIDE A COUNTY ASSESSOR'S MAP SHOWING THE OWNER'S BOUNDARY LINES AND THE LOCATION OF USE.) _____ _____ _____		
8. PURPOSE FOR WHICH BPA RIGHT-OF-WAY/PROPERTY IS TO BE USED. Check all boxes that apply and complete the information on the following page. (Include a map, plan or sketch if appropriate.) NOTE: For submission of digital plans please provide a PDF version. BPA will request larger plans, if needed.		
<input type="checkbox"/> <b>Driveway / Roadway Width</b> Width _____ Material _____ <b>PLEASE ATTACH EXISTING AND PROPOSED GRADING PLANS.</b>	<input type="checkbox"/> <b>Pipelines</b> Type: <input type="checkbox"/> Gas <input type="checkbox"/> Sewer <input type="checkbox"/> Water Diameter _____ Material _____ Buried _____ Depth _____	<input type="checkbox"/> <b>Electric Service Line</b> Voltage _____ Underground _____ Overhead _____
<input type="checkbox"/> <b>Other Uses:</b> _____		
Narrative: Please describe your intended use in detail. In order to assure safe clearance, please describe any equipment that will be used for applied use (including equipment intended to construct and maintain the use). Space is provided on page 2 for a drawing. <b>IF GRADING, PLEASE ATTACH EXISTING AND PROPOSED GRADING PLANS</b>		
9. APPLICANT NAME _____	10. APPLICANT SIGNATURE <div style="background-color: black; color: white; padding: 2px 10px; display: inline-block;">(b)(6)</div>	11. APPLICANT TITLE _____

RECEIVED 11/9/2023  
LMMASTER TERR-3

**IF APPLICABLE, ATTACH NAME, COMPANY ADDRESS, AND A CONTACT PERSON FOR ALL UTILITIES INVOLVED IN PROJECT.**

12. RIGHT-OF-WAY Draw in space provided below the location of the proposed use. (Identify structures and show distances and angles from BPA structures). Diamonds on the line represent BPA structures on the right-of-way. Copy the series of letters and numbers from the lower half of each BPA structure (see example below) and enter in "BPA Structure Identification" block. Indicate which direction is "North" in relation to the right-of-way.

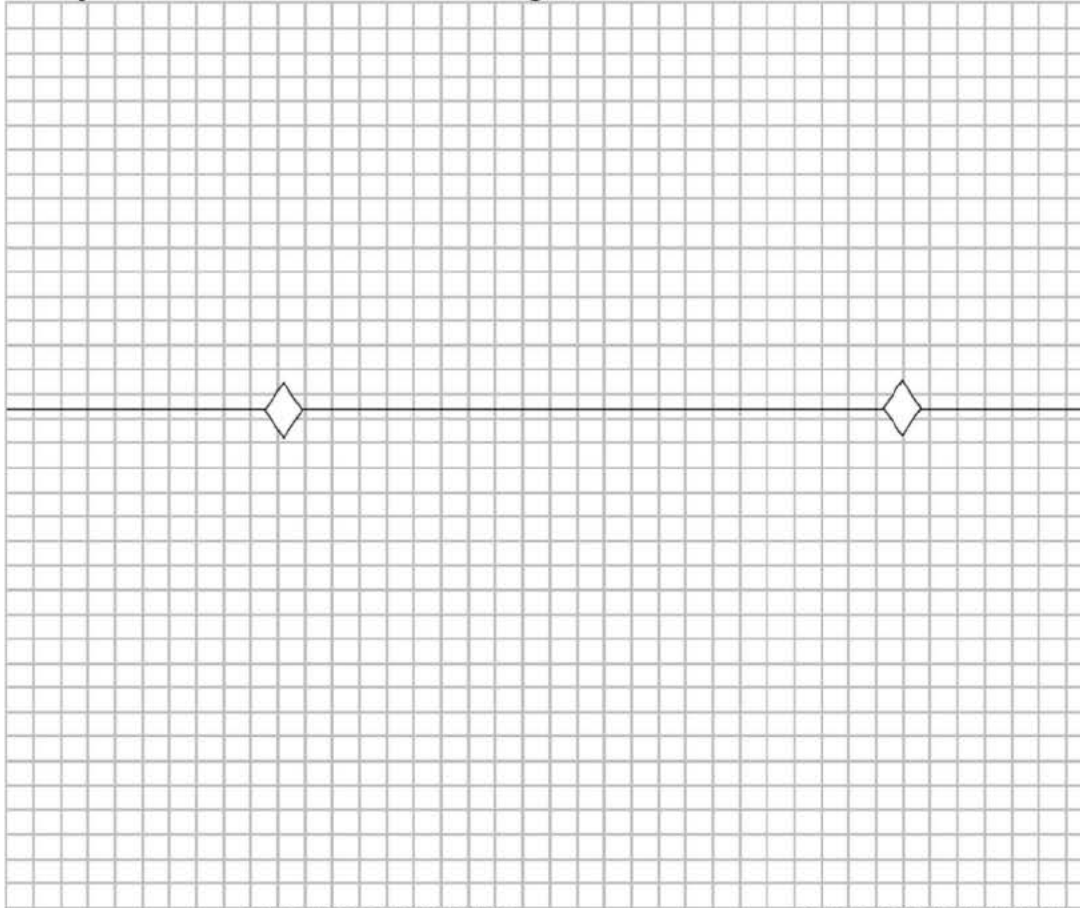
**BIG E – CHEM 1-81-2**  
BPA STRUCTURE IDENTIFICATION



**PS2 1-2-A**  
BPA STRUCTURE IDENTIFICATION



**Identify structures and show distances and angles from BPA structures**



BPA STRUCTURE IDENTIFICATION

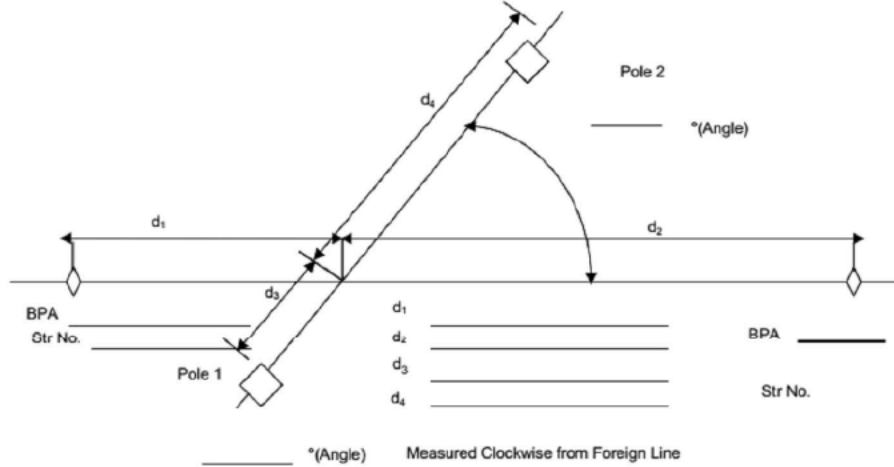
BPA STRUCTURE IDENTIFICATION



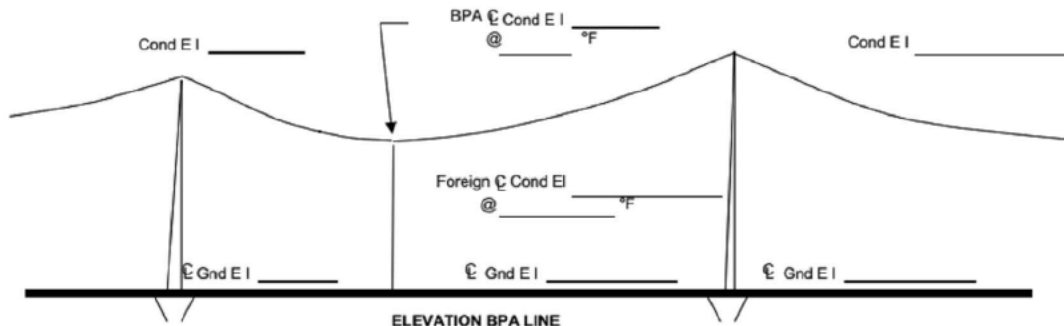
U.S. DEPARTMENT OF ENERGY - BONNEVILLE POWER ADMINISTRATION (BPA)  
APPLICATION FOR PROPOSED USE OF BPA RIGHT-OF-WAY

APPLICANT NAME

Complete **ONLY** if overhead or underground foreign line crosses an overhead BPA line. If the foreign line crosses more than one BPA line use additional sheets.



PLAN



ELEVATION BPA LINE

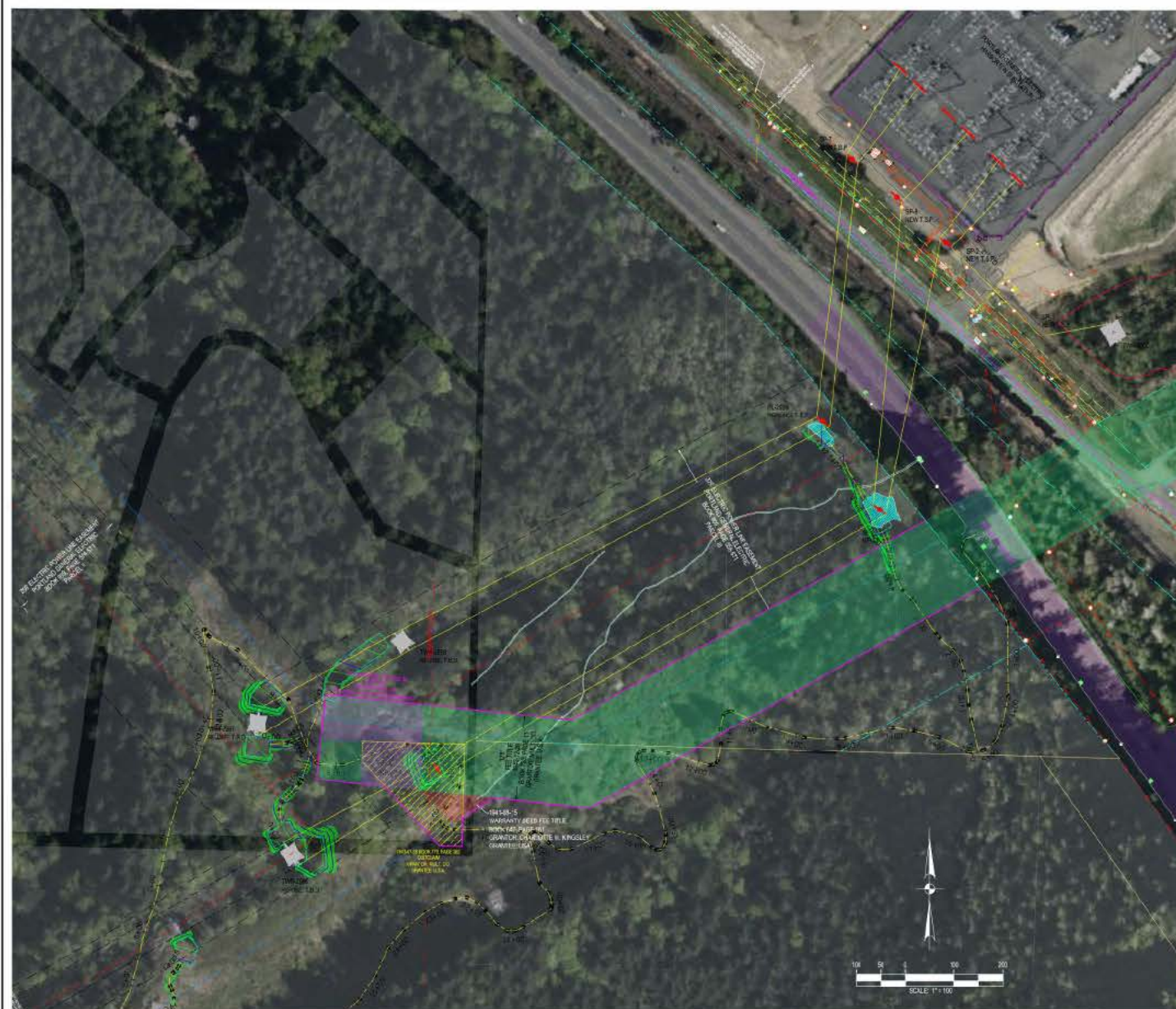
	POLES	LENGTH	DEPTH SET	CLASS POLE
	POLE 1			
	POLE 2			
F I X T U R E S	SIZE OF CROSSARMS			
	MAKE AND CATALOG NUMBER OF INSULATORS			
C O N D U C T O R S	NUMBER		SIZE	
	KIND		VOLTAGE	
	MWT		LOADING	
	COMMENTS			

POLE 1
POLE 2 CONFIGURATIONS

M2863881 PGE proposed crossing & reconductor #B  
1 reconductor: PGE Harborton-Trojan #1 230kV and 1 new line: PGE Harborton-Trojan #2 230kV  
Use of existing PGE Towers B2134C-2997 and B2134C-2998



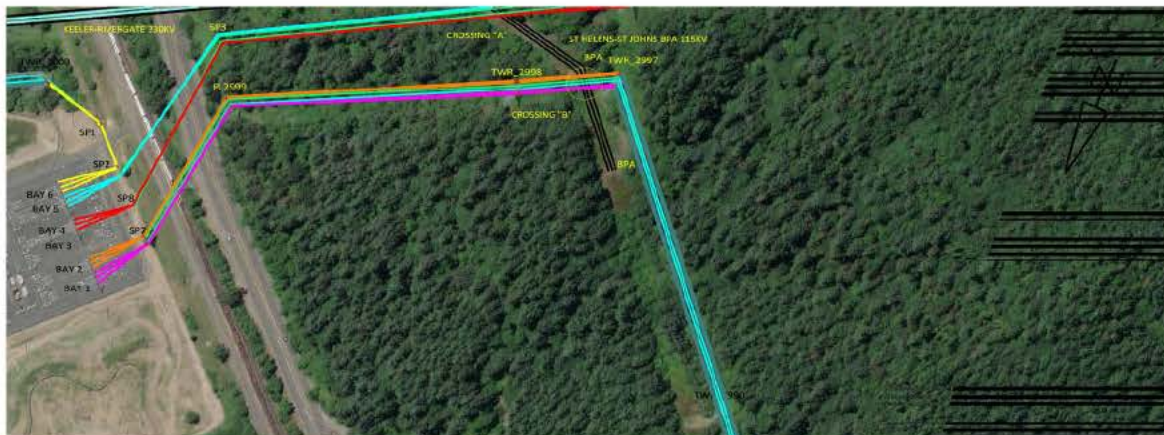




LEGEND		LEGEND	
	CAMPGROUND FIRE PIT		UTILITY BORE HOLE
	CAMPGROUND PAVING TABLE		UTILITY JUNCTION BOX
	COAM FIBER JUNCTION BOX		UTILITY MANHOLE
	COAM FIBER MANHOLE		UTILITY RISER
	COAM FIBER RISER		WATER BLOW OFF VALVE
	COAM FIBER VAULT		WATER MANHOLE
	COAM GUY ANCHOR		WATER METER
	COAM JUNCTION BOX		WATER VALVE
	COAM MANHOLE		WATER VAULT
	COAM RISER		WATER SPOUT
	COAM VAULT		
	CONTROL POINT		UNDERGROUND COMMUNICATIONS
	FIRE DEPARTMENT CONNECT		UNDERGROUND FIBER OPTIC LINE
	FIRE HYDRANT		UNDERGROUND GAS LINE
	FLAG POLE		UNDERGROUND POWER LINE
	GAS JUNCTION BOX		UNDERGROUND SANITARY LINE
	GAS LINE MARKER		UNDERGROUND STORM LINE
	GAS METER		UNDERGROUND WATER LINE
	GAS RISER		OVERHEAD POWER LINE
	GAS VALVE		UNKNOWN UNDERGROUND/UTILITY
	GAS VAULT		PROPOSED UNDERGROUND POWER
	MONITORING WELL		FENCE LINE
	POWER GUY ANCHOR		DITCH LINE
	POWER GUY STRIP		RAILROAD TRACKS
	POWER JUNCTION BOX		ROAD CENTERLINE
	POWER LIGHT POLE		RIGHT-OF-WAY
	POWER MANHOLE		EASEMENT
	POWER METER		PROPERTY LINE
	POWER POLE STEEL		CONCRETE CURBSIDE
	POWER RISER		RETAINING WALL
	POWER TRANSFORMER		MAJOR CONTOUR
	POWER VAULT		FINISHED FLOOR
	PROPOSED VAULT		BUILDING FOOTPRINT
	PROPOSED POWER POLE		CONCRETE SURFACE
	PROPOSED POWER GUY ANCHOR		GRAVEL SURFACE
	PROPOSED POWER TRANSFORMER		ASPHALTIC CONCRETE
	RAILROAD MILEPOST		
	ROAD BOLLARD		
	ROAD MARKING		
	ROAD SIGNPOST		
	TRAFFIC SIGNAL BOX		
	TRAFFIC SIGNAL POLE		
	SANITARY MANHOLE		
	SANITARY CLEANOUT		
	SANITARY VAULT		
	STORM AREA DRAIN		
	STORM CATCH BASIN		
	STORM CLEANOUT		
	STORM CLEANOUT INLET		
	STORM MANHOLE		
	STORM VAULT		
	TOPO ROCK		

DATE: 10/16/2023	WORK ORDER NO: M2863831-21	CHECKED BY:
DRAWN BY: DM AU	FOR:	MANAGER
SCALE: AS-SHOWN	CAD FILE NAME: H230 50% SITE MAP 2023.10.16	
<b>PORTLAND GENERAL ELECTRIC CO.</b> 121 SW SALMON ST. PORTLAND, OR 97204		
<b>HARBORTON 230KV</b> <b>FOREST PARK AREA 50% SITE MAP</b>		
DRAWING NO:	SHEET NO:	REV NO:
M2863831-21	1 OF 1	C





## LEGEND [PLAN]

- EXISTING TUBULAR STEEL POLE
- NEW TUBULAR STEEL POLE
- EXISTING WOOD POLE
- ⊠ EXISTING LATTICE TOWER
- SUBSTATION BAYS
- PGE ALIGNMENT

## LEGEND [PROFILE]

- HARBORTON-TROJAN #1 230KV
- HARBORTON-TROJAN #2 230KV
- EVERGREEN-HARBORTON 230KV
- HARBORTON-ST. MARYS 230KV
- HARBORTON-RIVERGATE #1 230KV
- NEW PGE STATIC LINE
- EXISTING PGE CIRCUITS
- EXISTING BPA CIRCUITS
- EXISTING PGE/BPA STATIC LINE

## DISPLAY CONDITION

NOTE: DISPLAY WEATHER CASE AS BELOW UNLESS NOTED ELSEWHERE IN DRAWING FOR SHOWING SPECIFIC CLEARANCES.

## TRANSMISSION

MAX. OPERATING TEMP. ACSR (212 DEG F, NO WIND, NO ICE, MAX SAG)

MAX. OPERATING TEMP. AAC (200 DEG F, NO WIND, NO ICE, MAX SAG)

115KV MAX. OPERATING TEMP. ACS (355 DEG F, NO WIND, NO ICE, MAX SAG)

230KV MAX. OPERATING TEMP. ACS (482 DEG F, NO WIND, NO ICE, MAX SAG)

## COMMUNICATION

MAX. SAG (32 DEG F, NO WIND, 1/2" ICE, MAX SAG)

## SECTION INFORMATION

A- 2156 KCMIL ACSS (84/19) "BLUEBIRD" (MWT 2000# @ NESC 250B)

B- 2156 KCMIL ACSS (84/19) "BLUEBIRD" (MWT 9000# @ NESC 250B)

C- 2156 KCMIL ACSS (84/19) "BLUEBIRD" (MWT 12000# @ NESC 250B)

D- 2156 KCMIL ACSS (84/19) "BLUEBIRD" (MWT 9000# @ NESC 250B)

E- EXISTING CONDUCTOR

PGE CIRCUIT CROSSING OVER BPA, ST HELENS-ST JOHNS BPA 115KV:

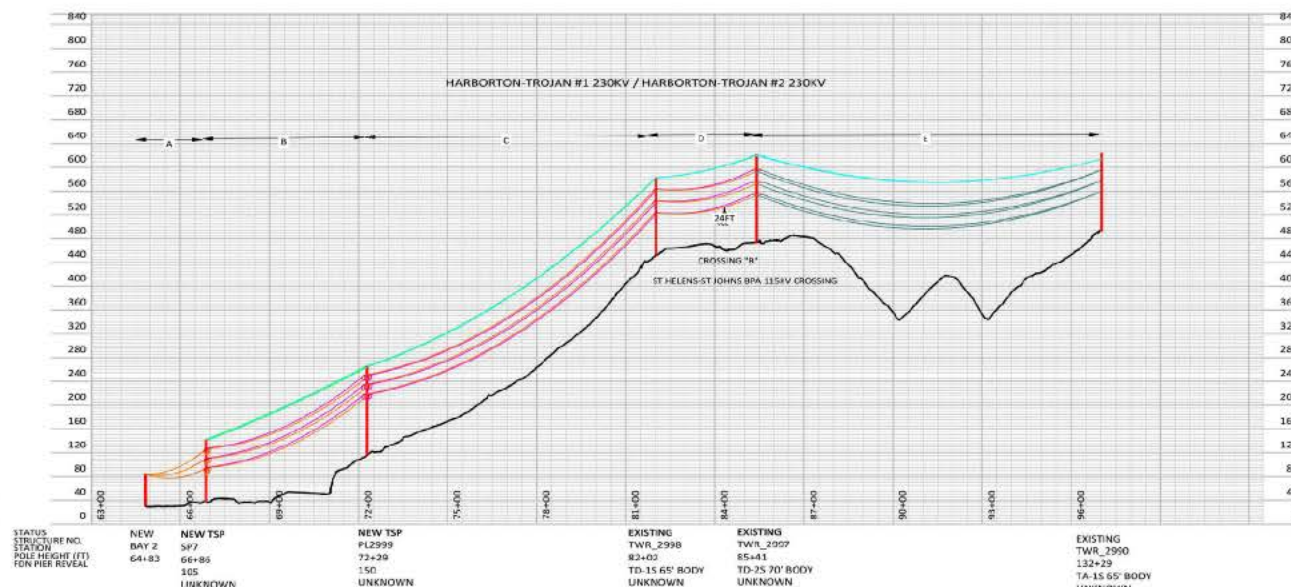
PGE: MAX SAG

BPA: 0-D-4F INITIAL

BPA CIRCUIT CROSSING OVER PGE, ST MARYS-WACKER 115KV:

PGE: 0-D-4F INITIAL

BPA: MAX SAG



STATUS  
STRUCTURE NO.  
STATION  
POLE HEIGHT (FT)  
FOR PIER REVEAL

NEW  
BAY 2  
64+83  
SF7  
66+85  
165  
UNKNOWN

NEW TSP  
PL2999  
72+29  
150  
UNKNOWN

EXISTING  
TWR\_2998  
82+02  
TD-15 65' BODY  
UNKNOWN

EXISTING  
TWR\_2997  
85+41  
TD-25 70' BODY  
UNKNOWN

EXISTING  
TWR\_2990  
132+29  
TA-15 65' BODY  
UNKNOWN

	SITE MAP		FOUNDATION DRAWING
	STRUCTURE DATA SHEET		
	PHASING DRAWINGS		
	FRAMING DRAWINGS		

200.0 FT. HORIZ. SCALE  
100.0 FT. VERT. SCALE

0	DRAFT	07/14/2023	AJJ	AJJ	AJJ	MMG
REV	DESCRIPTION	DATE	DRN	DSGN	CHK	APPV
PLAN & PROFILE DRAWINGS						
DATE	07/14/2023	SCALE	AS SHOWN	DRAWING NO.		JOB NO. M2853681
TITLE: HARBORTON 230KV PROJECT - FOREST PARK						
LOCATION: NEAR 12352 NW MARINA WAY						
COUNTY: MULTNOMAH						
SECTION: VARIES						
ENGINEERING SUPERVISOR: MATT CORCAMER						
ENGINEER: ALAN JOHNSON						
PHONE: (541) 871-9079						
DRAWN BY: REBECCA CHIS						
© PORTLAND GENERAL ELECTRIC CO. - ALL RIGHTS RESERVED						



☆ Land Acquisition Status - BPA Tract Area

Tract ID: SJ-A-2-A-4

Tract Type: A

Tract Status: A

Rights Required: E

Rights Acquired: E

Rights Requested From: MULTNOMAH CO BD OF COMMISSIONERS

GIS Data Last Update: Dec 14, 2018 11:01 AM

☆ Land Acquisition Status - BPA Tract Area

Tract ID: SJ-S-2-A-9

Tract Type: A

Tract Status: A

Rights Required: F

Rights Acquired: F

Rights Requested From: MULTNOMAH CO

GIS Data Last Update: Dec 14, 2018 11:01 AM

☆ Line: STJO-STHL-1 Span: 3/1 - 3/2

Operating Line Name: St Johns-St Helens No 1

ADNO: 7189 on XREF: STJO-STHL-1

Back Tower: 3/1 Serial: ZV 12

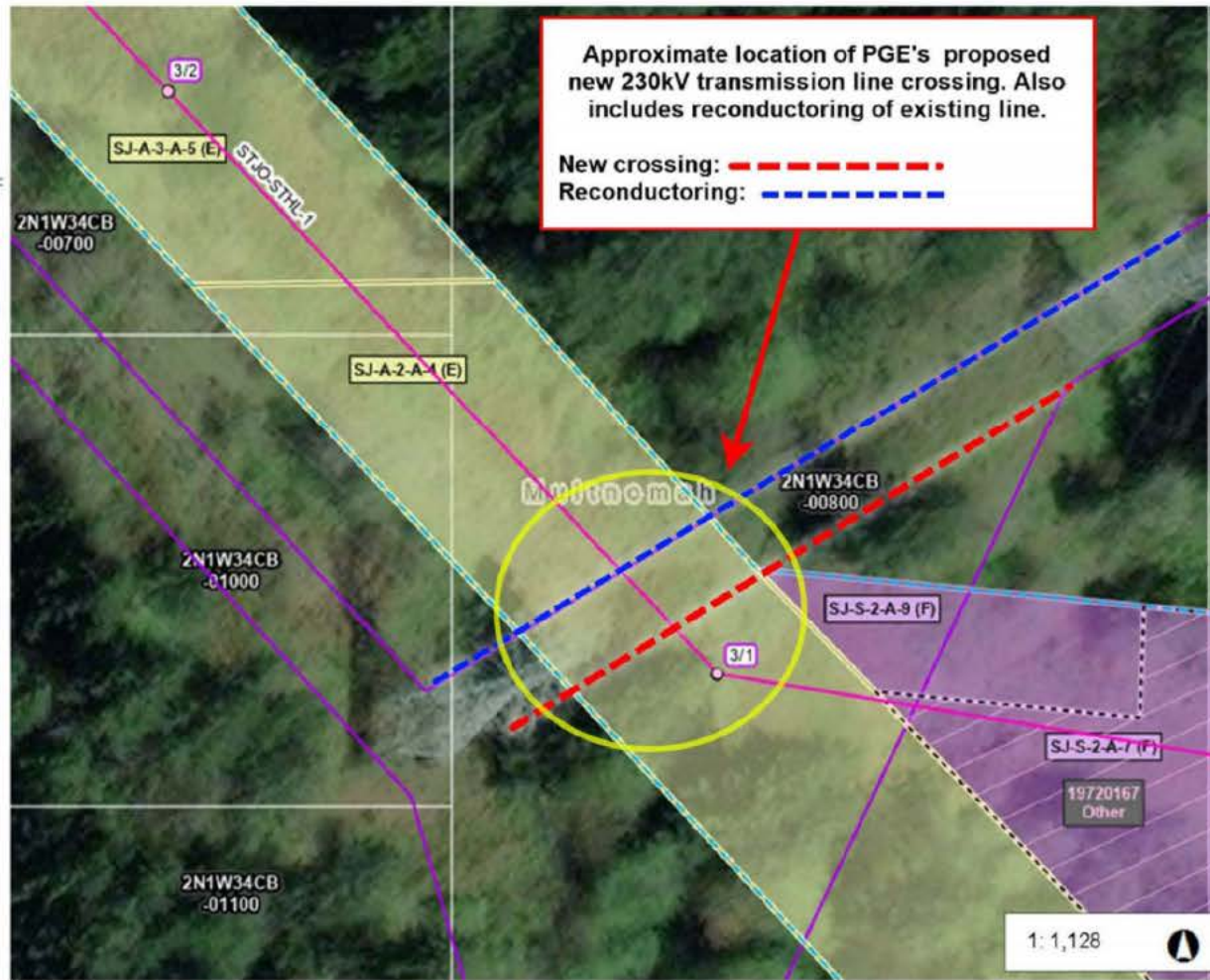
Ahead Tower: 3/2 Serial: ZV 13

Span Length in Feet (TLDD): 357.5

District Name: Longview

TLM HQ Name: Ross

kV: 115



**Legend**

**BPA Substations**

- BPA Substation
- BPA Maintenance HQ

**BPA Transmission Towers**

- Lattice Tower
- Pole Structure
- Substation Dead End Bays
- Junction Box
- Unknown Tower Type

**BPA Switches**

- BPA Transmission Lines

**BPA Transmission Lines (Spar)**

**BPA Right-of-way Corridors**

**BPA Outgrant Area**

- Encroachment/Other
- Building/Structure/Wireless Tower
- Below Surface Cable/Pipeline/Power
- Drainfield
- Fence/Gate
- Landscaping/Vegetation
- Overhead Utility
- Private Parking/Private Road/ Driven

**BPA Tract Area**

- Fee
- Easement
- Permit
- Other, Lease, Neither

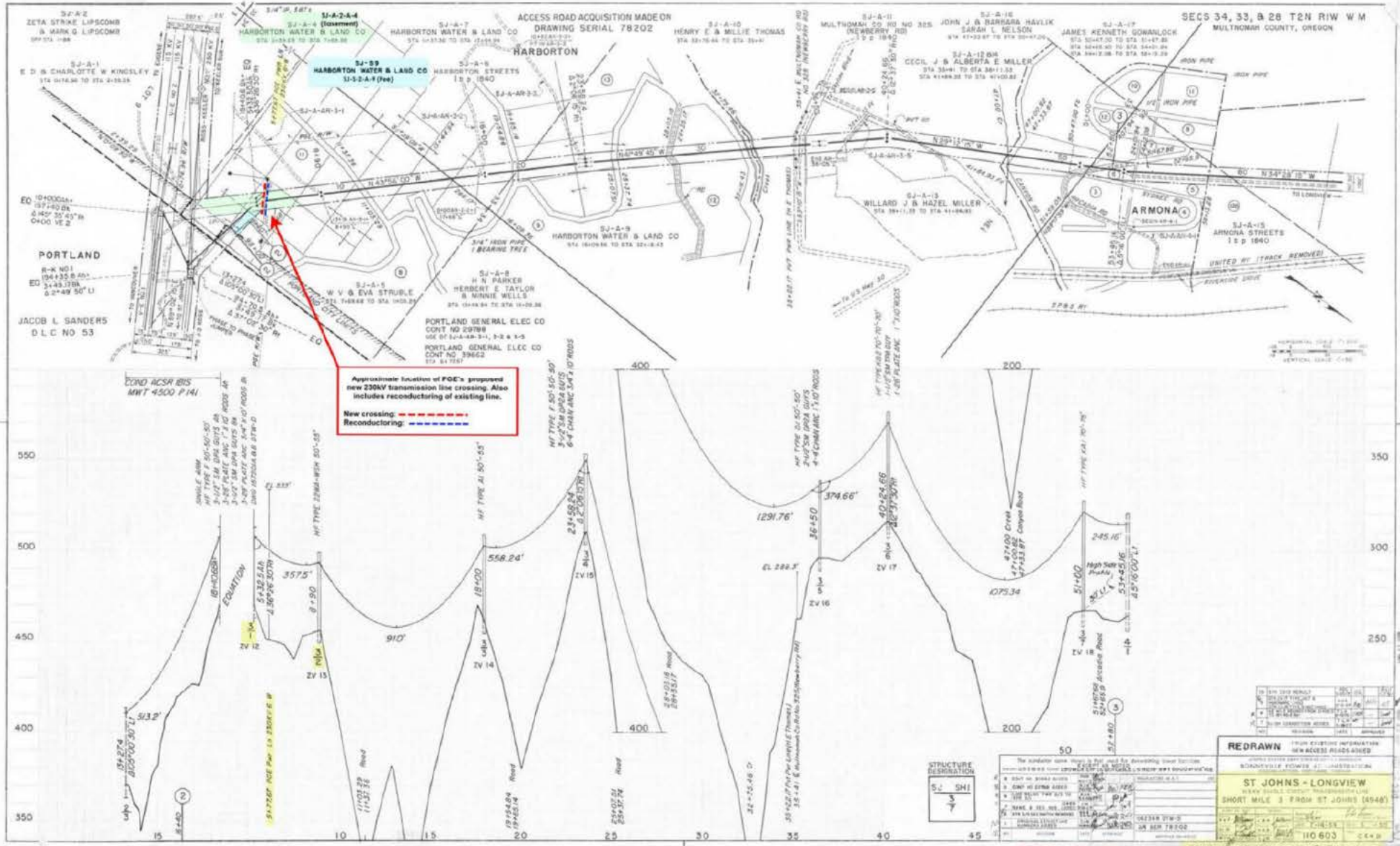
**Non-BPA Transmission Lines**

**Notes**

SEC 34 T2N R1W WM Multnomah Co  
OR The map was created using  
egis.bpa.gov

0.0 0 0.02 0.0 Miles  
WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
[livermap.bud.bpa.gov](http://livermap.bud.bpa.gov)

Map scale varies across map. Scale bars on printed maps are approximate and are not intended to be used for precise measurement. It is recommended that you use the measurement tools in eGIS Live Map for more precise measurements. This map is a user generated static output from BPA's Enterprise GIS System, and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.



BPA CASE #20240114

OPER AS ST JOHNS-ST HELENS, NO 1

ADNO: 7189



**From:** [Simpson, Troy D \(TFE\)\(BPA\) - TSE-TPP-2](#)  
**To:** [Johnny Useldinger](#); [Markley, Gordon L \(BPA\) - TPCV-TPP-4](#); [Woodman, Billie J \(BPA\) - TERR-ROSS MHQA](#); [Dondy-Kaplan, Hannah A \(BPA\) - AIR-7](#)  
**Cc:** [Randy Franks](#); [Shaun Foster](#)  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig  
**Date:** Thursday, March 28, 2024 2:59:58 PM

---

Here are my notes:

- Multiple land use requests are being processed simultaneously.
- Both crossings require NEPA review. NEPA review takes time.
- PGE has two undocumented crossings of our fee owned property.
- PGE wants to install a structure on BPA fee owned property with significant ground disturbance.
- There is a land rights discrepancy. PGE/BPA think BPA owns it. The City of Portland is using Multnomah County Tax Assessor as a basis to assert ownership. PGE spent a lot of time and money researching the title and agrees, BPA owns.
- PGE wants to upgrade some roads on BPA property. There appears to be agreements allowing that, but the improvements need to be to BPA standards.

---

**From:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>  
**Sent:** Thursday, March 28, 2024 8:40 AM  
**To:** Simpson, Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Markley, Gordon L (BPA) - TPCV-TPP-4 <[glmarkley@bpa.gov](mailto:glmarkley@bpa.gov)>  
**Cc:** Randy Franks <[randy.franks@pgn.com](mailto:randy.franks@pgn.com)>; Shaun Foster <[Shaun.Foster@pgn.com](mailto:Shaun.Foster@pgn.com)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

Hey Troy, I am following back up here to see if you've had a chance to verify your notes. Thanks!!

---

**From:** Simpson, Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>  
**Sent:** Thursday, March 21, 2024 1:54 PM  
**To:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>; Markley, Gordon L (BPA) - TPCV-TPP-4 <[glmarkley@bpa.gov](mailto:glmarkley@bpa.gov)>  
**Subject:** RE: [EXTERNAL] Forest Park Harborton Reconfig

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

My notes are a mess. I'm verifying with the Realty expert and will pass along when she's confirmed.

---

**From:** Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>  
**Sent:** Thursday, March 21, 2024 10:40 AM  
**To:** Simpson, Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Markley, Gordon L (BPA) - TPCV-TPP-4 <[glmarkley@bpa.gov](mailto:glmarkley@bpa.gov)>  
**Subject:** [EXTERNAL] Forest Park Harborton Reconfig

Troy, were there any notes coming out of the meeting BPA had yesterday?



**From:** [Dondy-Kaplan, Hannah A \(BPA\) - AIR-7](#)  
**To:** [Woodman, Billie J \(BPA\) - TERR-ROSS MHQA](#)  
**Subject:** ForestParkActionPlan.pdf  
**Date:** Tuesday, February 27, 2024 11:14:00 AM  
**Attachments:** [ForestParkActionPlan.pdf](#)  
[MCU Forest Park.pdf](#)

---

Here are some documents I found, as FYI. I don't see any finals of this Action Plan—it looks like this was more an agreement with the Veg Management Group than you guys anyway, but I wonder if Heidi know what ever became of this and why it wasn't completed. So just FYI for you.

Hannah

## Forest Park Action Plan

Draft May-July 2015

This plan describes how the Bonneville Power Administration (BPA) will work with Portland Parks & Recreation (PP&R) to coordinate and communicate about BPA activities in Forest Park.

### Background

BPA owns high-voltage electric transmission lines that run through Forest Park in the City of Portland. BPA is responsible for managing and maintaining the rights-of-ways for these transmission lines. BPA recognizes Forest Park is preserved by the City of Portland as an urban wilderness area. BPA and Portland Parks & Recreation have agreed to establish an appropriate action plan to ensure BPA and the City of Portland coordinate as intended by a Memorandum of Understanding dated September 10, 1981. This action plan describes how BPA will communicate with Portland Parks & Recreation and Forest Park stakeholders about BPA activities in Forest Park.

### Communication protocols

BPA will provide Portland Parks & Recreation with advance notice of BPA activities in Forest Park.

- For scheduled vegetation management operations, BPA will include Portland Parks & Recreation City Nature West in official landowner notification of BPA activities in Forest Park. The Oregon liaison will follow up with the City Nature West Supervisor by phone and email to initiate coordination at least two months in advance of starting work in Forest Park.

Tree removal and pruning requires coordination with PP&R's Urban Forestry Division under City of Portland Title 11 Tree Code. As a federal entity with existing easement rights, BPA is not required to get a permit. BPA may elect to apply for a programmatic permit to coordinate all tree work within the park. At time of writing, this permit has not yet been issued.

- BPA will notify Forest Park stakeholders of BPA activities in Forest Park. The Oregon liaison will send an email describing the activities to the following stakeholders in advance of starting work in Forest Park.
  - Forest Park Conservancy - [renee@forestparkconservancy.org](mailto:renee@forestparkconservancy.org);  
[www.forestparkconservancy.org](http://www.forestparkconservancy.org)
  - Forest Park Neighborhood Association - [jerrygbw@aol.com](mailto:jerrygbw@aol.com)
  - Linnton Neighborhood Association - [linntonlanduse@gmail.com](mailto:linntonlanduse@gmail.com)

Current contacts for neighborhood associations can be found at the City of Portland's Office of Neighborhood Involvement's Neighborhood Directory.

- For emergency situations, BPA will inform Portland Parks and Recreation by phone and email of work in Forest Park as soon as possible.

Emergency situations include those involving extreme and unforeseen conditions that place transmission system reliability, staff or public safety, or BPA equipment at risk. Examples include severe weather, landslides, damage from unauthorized recreational activity, equipment failure, and transmission system or vegetation conditions.

In situations like these, BPA's first priorities are to protect public safety and the transmission system, and to keep the lights on. BPA will repair the damage and restore power as soon as it is possible to do so safely.

BPA and Portland Parks & Recreation Department staff will meet, at minimum, once a year to discuss BPA activities in Forest Park or joint management opportunities and to review staff and stakeholder contact information.

**BPA contacts:**

- Manager of Vegetation Management: Alan DeJong, acting  
E-mail: [ajdejong@bpa.gov](mailto:ajdejong@bpa.gov), Office phone: 360-418-2786
- Vegetation Management Program Manager: Steve Narolski  
E-mail: [swnarolski@bpa.gov](mailto:swnarolski@bpa.gov), Office phone: 360-418-2984
- Natural Resource Specialist: Chris Morse  
E-mail: [cmorse@bpa.gov](mailto:cmorse@bpa.gov), Office phone: 360-418-2863
- Oregon liaison: Crystal Ball  
E-mail: [caball@bpa.gov](mailto:caball@bpa.gov), Office phone: 503-230-3100

**Portland Parks & Recreation contacts:**

- Supervisor, City Nature West: Rachel Felice  
E-mail: [rachel.felice@portlandoregon.gov](mailto:rachel.felice@portlandoregon.gov), Office phone : 503-823-4474
- Natural Resources Ecologist, City Nature West : Kendra Petersen-Morgan  
E-mail: [kendra.petersen-morgan@portlandoregon.gov](mailto:kendra.petersen-morgan@portlandoregon.gov), Office phone : 503-823-4492
- Urban Forestry Division, Portland Parks & Recreation, 503-823-TREE (8733),  
[trees@portlandoregon.gov](mailto:trees@portlandoregon.gov)  
Parks Property and Business Development Manager: Trang Lam Email:-  
[Trang.Lam@PortlandOregon.gov](mailto:Trang.Lam@PortlandOregon.gov), Office phone 503 823-5229

**Scope**

The range of BPA's activities in Forest Park includes but is not limited to:

- Timing of vegetation scheduled or corrective maintenance work
- Work that must be done during certain times of the year (seasonal work)
- Equipment BPA anticipates using
- Vegetation cutting and clearance procedures
- Any associated hardware replacement or transmission equipment maintenance work
- Access road maintenance along authorized routes

Contractors awarded work along BPA's transmission assets that crosses Forest Park will be instructed by BPA in the sensitivities surrounding Forest Park. BPA will monitor contractors' performance closely and ensure their performance complies with the procedures and protocols described in this plan and the PP&R safety protocols observed in Forest Park.

**From:** [Dondy-Kaplan, Hannah A \(BPA\) - AIR-7](#)  
**To:** [Woodman, Billie J \(BPA\) - TERR-ROSS MHQA](#)  
**Subject:** RE: PGE work in Forest Park near BPA Road?  
**Date:** Monday, February 26, 2024 12:55:00 PM

---

Hi Billie, do you have 10 minutes or so to chat this week so I can get caught up on the project? If so I can find a time.

Thanks so much,  
Hannah

Hannah Dondy-Kaplan  
c(b)(6)

---

**From:** Haserot, Heidi M (BPA) - TERR-3 <[hmaserot@bpa.gov](mailto:hmaserot@bpa.gov)>  
**Sent:** Monday, February 26, 2024 12:51 PM  
**To:** Dondy-Kaplan, Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>; Woodman, Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** RE: PGE work in Forest Park near BPA Road?

Hi Hannah,  
We are working with PGE. This one seems to be on the transmission executive's radar too. Billie Woodman, CC'd here is the RS on this.

*Heidi Haserot  
Regional Realty Officer- North Group, TERR-3  
Bonneville Power Administration  
P.O. Box 3621  
Portland, OR 97208-3621  
503.230.3115 office  
(b)(6) cell  
[hmaserot@bpa.gov](mailto:hmaserot@bpa.gov)*

---

**From:** Dondy-Kaplan, Hannah A (BPA) - AIR-7 <[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)>  
**Sent:** Monday, February 26, 2024 12:46 PM  
**To:** Haserot, Heidi M (BPA) - TERR-3 <[hmaserot@bpa.gov](mailto:hmaserot@bpa.gov)>  
**Subject:** PGE work in Forest Park near BPA Road?

Hi Heidi,  
Do you know how I could talk to to learn more about PGE's plans to do some transmission work near the BPA road in Forest Park? There have been a few articles lately that mention it and I'm trying to figure out if we're involved or not.

[https://www.wweek.com/news/environment/2024/02/23/forest-park-conservancy-deeply-concerned-about-pges-power-line-plans-in-forest-preserve/?mc\\_cid=42eae33ae1&mc\\_eid=d4b102306a](https://www.wweek.com/news/environment/2024/02/23/forest-park-conservancy-deeply-concerned-about-pges-power-line-plans-in-forest-preserve/?mc_cid=42eae33ae1&mc_eid=d4b102306a)



Thank you!  
Hannah

Hannah Dondy-Kaplan (she/her)  
Intergovernmental Affairs, Oregon Liaison  
Bonneville Power Administration  
Cell: (b)(6)  
[hadondy-kaplan@bpa.gov](mailto:hadondy-kaplan@bpa.gov)

**From:** [Woodman,Billie J \(BPA\) - TERR-ROSS MHQA](#)  
**To:** [Miller,Mike P \(BPA\) - TE-DITT-2](#)  
**Cc:** [Haserot,Heidi M \(BPA\) - TERR-3](#); [Arant,Luke \(BPA\) - TERR-OLYMPIA](#); [Kirkland,Matthew C \(BPA\) - TER-3](#)  
**Subject:** RE: [EXTERNAL] PGE | BPA Joint Executive Meeting (In-person) \*\*Materials attached  
**Date:** Thursday, February 22, 2024 10:00:44 AM

---

Good Morning Mike,

Yes, I am the same person handling the ownership issue that Tina has been working with. I am working with the City of Portland Forest Park Rep (Stephen Bouffard) on the ownership discrepancy issue. BPA is the Fee landowner of the property in question, and we are trying to get the City of Portland on the same page. I will reach out to Multnomah County to push on getting the County records corrected.

I spoke with Tina from PGE yesterday afternoon and she sent me PGE's Forester information. I am reaching out to BPA's NRS to get him up to speed. He will be contacting PGE's Forester. Brian will be better prepared to answer whether NEPA reviews will need to be done for any tree cutting or vegetation maintenance needs.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](#)

---

**From:** Miller,Mike P (BPA) - TE-DITT-2 <mpmiller@bpa.gov>  
**Sent:** Thursday, February 22, 2024 6:54 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Cc:** Haserot,Heidi M (BPA) - TERR-3 <hmhaserot@bpa.gov>; Arant,Luke (BPA) - TERR-OLYMPIA <lxarant@bpa.gov>; Kirkland,Matthew C (BPA) - TER-3 <mckirkland@bpa.gov>  
**Subject:** FW: [EXTERNAL] PGE | BPA Joint Executive Meeting (In-person) \*\*Materials attached

Good morning Billie,

Can you help me get some answer for the PGE executives below? They were pushing pretty hard at our last meeting, and it would be great to get something back to them.

I have included your management team just for awareness that I am talking with you.

Thank you!

Mike

---

**From:** Shaun Foster <[Shaun.Foster@pgn.com](mailto:Shaun.Foster@pgn.com)>

**Sent:** Wednesday, February 21, 2024 4:00 PM

**To:** Miller, Mike P (BPA) - TE-DITT-2 <[mpmiller@bpa.gov](mailto:mpmiller@bpa.gov)>; Cristal Metz <[Cristal.Metz@pgn.com](mailto:Cristal.Metz@pgn.com)>; Larry Bekkedahl <[Larry.Bekkedahl@pgn.com](mailto:Larry.Bekkedahl@pgn.com)>; Pam Sporborg <[Pam.Sporborg@pgn.com](mailto:Pam.Sporborg@pgn.com)>; Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>; Ian Beil - Transmission <[Ian.Beil@pgn.com](mailto:Ian.Beil@pgn.com)>; Shaheen, Richard L (BPA) - T-DITT-2 <[rlshaheen@bpa.gov](mailto:rlshaheen@bpa.gov)>; Manary, Michelle L (BPA) - TS-DITT-2 <[mlmanary@bpa.gov](mailto:mlmanary@bpa.gov)>; Cook, Jeffrey W (BPA) - TP-DITT-2 <[jwcook@bpa.gov](mailto:jwcook@bpa.gov)>; Jennifer Galaway <[Jennifer.Galaway@pgn.com](mailto:Jennifer.Galaway@pgn.com)>; JD Podlesnik <[JD.Podlesnik@pgn.com](mailto:JD.Podlesnik@pgn.com)>; Bustamante, Richard (BPA) - TO-DITT-2 <[rbustamante@bpa.gov](mailto:rbustamante@bpa.gov)>; Aggarwal, Ravi K (TFE)(BPA) - TPL-TPP-2 <[rkaggarwal@bpa.gov](mailto:rkaggarwal@bpa.gov)>; Simpson, Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Christopher Kulink - Transmission <[christopher.kulink@pgn.com](mailto:christopher.kulink@pgn.com)>; Kosterev, Dmitry (BPA) - TPP-OPP-3 <[dnkosterev@bpa.gov](mailto:dnkosterev@bpa.gov)>; Geyer, Sheryl A (CONTR) - TPP-OPP-3 <[sageyer@bpa.gov](mailto:sageyer@bpa.gov)>; Lee, Christina A (BPA) - TPPD-OPP-3 <[calee@bpa.gov](mailto:calee@bpa.gov)>

**Subject:** RE: [EXTERNAL] PGE | BPA Joint Executive Meeting (In-person) \*\*Materials attached

Hi Mike,

I have some follow up after talking to our project team.

Areas of uncertainty for the PGE project team:

- Unsure how to move the property ownership issue between the City and BPA forward. We can, through our local government affairs team, try and drive engagement with the City. Is it the same BPA Real Property team Tina has been engaging with? How do we drive that process to resolution?
- A NEPA Cx, or full NEPA (hope not), will be necessary for the tree removal necessary for the access road modifications. Hope to drive that as quickly as possible.

Thanks!

**Shaun Foster** Senior Manager, Transmission Development | 503-464-7945

---

**From:** Miller, Mike P (BPA) - TE-DITT-2 <[mpmiller@bpa.gov](mailto:mpmiller@bpa.gov)>

**Sent:** Wednesday, February 21, 2024 3:25 PM

**To:** Cristal Metz <[Cristal.Metz@pgn.com](mailto:Cristal.Metz@pgn.com)>; Larry Bekkedahl <[Larry.Bekkedahl@pgn.com](mailto:Larry.Bekkedahl@pgn.com)>; Shaun Foster <[Shaun.Foster@pgn.com](mailto:Shaun.Foster@pgn.com)>; Pam Sporborg <[Pam.Sporborg@pgn.com](mailto:Pam.Sporborg@pgn.com)>; Johnny Useldinger <[Johnny.Useldinger@pgn.com](mailto:Johnny.Useldinger@pgn.com)>; Ian Beil - Transmission <[Ian.Beil@pgn.com](mailto:Ian.Beil@pgn.com)>; Shaheen, Richard L (BPA) - T-DITT-2 <[rlshaheen@bpa.gov](mailto:rlshaheen@bpa.gov)>; Manary, Michelle L (BPA) - TS-DITT-2 <[mlmanary@bpa.gov](mailto:mlmanary@bpa.gov)>; Cook, Jeffrey W (BPA) - TP-DITT-2 <[jwcook@bpa.gov](mailto:jwcook@bpa.gov)>; Jennifer Galaway <[Jennifer.Galaway@pgn.com](mailto:Jennifer.Galaway@pgn.com)>; JD Podlesnik <[JD.Podlesnik@pgn.com](mailto:JD.Podlesnik@pgn.com)>; Bustamante, Richard (BPA) - TO-DITT-2 <[rbustamante@bpa.gov](mailto:rbustamante@bpa.gov)>; Aggarwal, Ravi K (TFE)(BPA) - TPL-TPP-2 <[rkaggarwal@bpa.gov](mailto:rkaggarwal@bpa.gov)>; Simpson, Troy D (TFE)(BPA) - TSE-TPP-2 <[tdsimpson@bpa.gov](mailto:tdsimpson@bpa.gov)>; Christopher Kulink - Transmission <[christopher.kulink@pgn.com](mailto:christopher.kulink@pgn.com)>; Dmitry Kosterev <[dnkosterev@bpa.gov](mailto:dnkosterev@bpa.gov)>; Geyer, Sheryl A (CONTR) - TPP-OPP-3 <[sageyer@bpa.gov](mailto:sageyer@bpa.gov)>; Lee, Christina A (BPA) - TPPD-OPP-3 <[calee@bpa.gov](mailto:calee@bpa.gov)>

**Subject:** RE: [EXTERNAL] PGE | BPA Joint Executive Meeting (In-person) \*\*Materials attached

**This email is from someone outside PGE.**

Please take care when opening links, attachments or responding to this email.

I checked in with my Real Property team today and it seems they have done quite a bit of coordination with Tina Tippin at PGE around the Forrest Park access road issue. Their latest conversation was on February 6<sup>th</sup>. Please let me know if you have some specifics you would like me to push on and I will. Otherwise, it appears our teams are engaging well.

Mike

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

**From:** Cristal Metz <[Cristal.Metz@pgn.com](mailto:Cristal.Metz@pgn.com)>

**Sent:** Tuesday, August 15, 2023 10:04 AM

**To:** Cristal Metz; Larry Bekkedahl; Shaun Foster; Pam Sporborg; Johnny Useldinger; Ian Beil - Transmission; Shaheen, Richard L (BPA) - T-DITT-2; Manary, Michelle L (BPA) - TS-DITT-2; Cook, Jeffrey W (BPA) - TP-DITT-2; Jennifer Galaway; Miller, Mike P (BPA) - TE-DITT-2; JD Podlesnik; Bustamante, Richard (BPA) - TO-DITT-2; Aggarwal, Ravi K (TFE)(BPA) - TPL-TPP-2; Simpson, Troy D (TFE)(BPA) - TSE-TPP-2; Christopher Kulink - Transmission; Kosterev, Dmitry (BPA) - TPP-OPP-3; Geyer, Sheryl A (CONTR) - TPP-OPP-3; Lee, Christina A (BPA) - TPPD-OPP-3

**Cc:** Moditz, Tina (BPA) - TP-DITT-2; McKay, Barbara A (BPA) - TS-DITT-2; Juber, Angela C (BPA) - TO-DITT-2; Brookshire, Sherry S (BPA) - T-DITT-2; Lynn Latendresse; Heredia, Anita L (TFE)(BPA) - TPLE-TPP-2; Kohne, Kyle R (BPA) - TPP-OPP-3; Orth, Erich T (BPA) - TEPP-TPP-1

**Subject:** [EXTERNAL] PGE | BPA Joint Executive Meeting (In-person) \*\*Materials attached

**When:** Wednesday, February 21, 2024 8:00 AM-9:30 AM (UTC-08:00) Pacific Time (US & Canada).

**Where:** BPA - TPP Lobby Conference Room, 7500 NE 41st, Vancouver, WA 98662

PGE attendees, please allow time for travel to and from the meeting. Adding Webex information below:

Host key 548653

Friday, February 9, 2024

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**From:** Cromwell,Robert J (BPA) - EHT-4  
**Sent:** Tuesday, May 21, 2024 11:06 AM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA  
**Cc:** Master,Laura M (CONTR) - TERR-3  
**Subject:** RE: Questions on PGE LURR-Forest Park (OR 2024 106 and OR 2024109)

Hi Billie!

Thanks for Tina's contact info, and I'll definitely keep you in the loop!

Bob

**Bob Cromwell, Ph.D. (he/him/his)**

Archaeologist | Cultural Resources EH-4 | Transmission

[BONNEVILLE POWER ADMINISTRATION](#)

RJCromwell@bpa.gov | O: 503-230-3615 | C: (b)(6)



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**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <bjwoodman@bpa.gov>  
**Sent:** Tuesday, May 21, 2024 10:25 AM  
**To:** Cromwell,Robert J (BPA) - EHT-4 <RJCromwell@bpa.gov>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <Immater@bpa.gov>  
**Subject:** RE: Questions on PGE LURR-Forest Park (OR 2024 106 and OR 2024109)

Hey Bob,

Please see Tina's information below. If you could keep Realty in the loop, that would be appreciated.



**Tina Tippin**

Senior Property Specialist, Property Rights Organization

503-464-7672 | 503-708-4386

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**An Oregon kind of energy.**

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

Bonneville Power Administration

1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)

[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)

**From:** Cromwell,Robert J (BPA) - EHT-4 <[RJCromwell@bpa.gov](mailto:RJCromwell@bpa.gov)>  
**Sent:** Monday, May 6, 2024 1:44 PM  
**To:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmmaster@bpa.gov](mailto:lmmaster@bpa.gov)>  
**Subject:** RE: Questions on PGE LURR-Forest Park (OR 2024 106 and OR 2024109)

Hi Billie,

Glad to be aboard! And yes, please forward me Tina's contact info, and I'll be sure to keep you briefed and in the loop on my discussions with her and my progress on the compliance process.

Best,

Bob

**Bob Cromwell, Ph.D. (he/him/his)**

Archaeologist | Cultural Resources EH-4 | Transmission

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**From:** Woodman,Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Sent:** Monday, May 6, 2024 1:41 PM  
**To:** Cromwell,Robert J (BPA) - EHT-4 <[RJCromwell@bpa.gov](mailto:RJCromwell@bpa.gov)>  
**Cc:** Master,Laura M (CONTR) - TERR-3 <[lmmaster@bpa.gov](mailto:lmmaster@bpa.gov)>  
**Subject:** RE: Questions on PGE LURR-Forest Park (OR 2024 106 and OR 2024109)

Hey Bob,

Welcome to the LURR process! It's good that you are already familiar with the area. Tina has mentioned PGE doing some of the reviews and/or possibly having some completed already for BPA's review. Do you want me to send you Tina's contact info. Or do you want her to reach out to you?

Either way, please keep Realty in the loop with what is being done and/or discussed.

Thanks,

*Billie Woodman*

**Realty Specialist**

Real Property Field Services, Ross MHQA

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1211 NE Minnehaha St, Vancouver, WA 98665

Office: 503-230-4702 | Cell: (b)(6)  
[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)  
[Landowner Safety - Bonneville Power Administration \(bpa.gov\)](http://Landowner Safety - Bonneville Power Administration (bpa.gov))

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**From:** Cromwell, Robert J (BPA) - EHT-4 <[RJCromwell@bpa.gov](mailto:RJCromwell@bpa.gov)>  
**Sent:** Monday, May 6, 2024 1:18 PM  
**To:** Woodman, Billie J (BPA) - TERR-ROSS MHQA <[bjwoodman@bpa.gov](mailto:bjwoodman@bpa.gov)>  
**Subject:** Questions on PGE LURR-Forest Park (OR 2024 106 and OR 2024109)

Hi Billie,

This is my first project with you (I've only been with BPA for a little under a year now), and my first LURR project as well, and I'm just trying to get these projects off to a good start for cultural resources compliance! I am also the cultural resources lead on project P04759 St Johns-St Helens ARI Miles 5-20 Rebuild (which was adjusted to include miles 3-5), and there's overlap of these project areas. We just had a meeting a couple of months ago with PGE to discuss the P04759 project, and they let us know about their proposal to construct these new towers and suspend new conductors that are now detailed in these LURR. I was pleased to see that PGE has already produced some good engineering drawings of these two projects and there is definitely overlap of the Areas of Potential Effect (APE) for these projects. We are in the midst of contracting out a combined NEPA/Sec. 106 survey for the P04759 project, but the earliest that fieldwork will occur will be late summer 2024, and some of the projected APE for these LURR projects falls outside of the P04759 project APE.

My technical lead, Tom Becker, advised me that we usually have a LURR applicant undertake any necessary compliance field work for such projects, and that I should reach out to the POC(s) at PGE to discuss this. Do you have a list of PGE contacts for these projects, all I see on the LURR application form is Tina Tippin, their Sr. Property Specialist.

Best,

Bob

**Bob Cromwell, Ph.D. (he/him/his)**  
Archaeologist | Cultural Resources EH-4 | Transmission

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