

I-5 Corridor Reinforcement Project

Final Environmental Impact Statement

Volume 3B: Comments and Responses (Communications 14380–14600)
DOE/EIS – 0436

Bonneville Power Administration

Cooperating Agencies:

**U.S. Army Corps of Engineers, Oregon Energy Facility Siting Council,
Washington Energy Facility Site Evaluation Council, Cowlitz and Clark Counties, Washington**

February 2016

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Comments and Responses

Volume 3B

Communication Log Numbers 14380 - 14600

Each comment form, email, letter or other type of correspondence (collectively referred to as communications) was given an identifying log number when it was received (e.g., 14100). Breaks in the number sequence are a result of communications logged during the comment period that were not comments on the Draft EIS. In some cases, duplicate communications (such as petitions and form letters) were later combined and assigned the same log number. Each communication is divided by subject or issue into individual comments. For example, 14444-2 is comment number 2 of communication 14444. BPA received 662 communications on the Draft EIS and 2,859 comments were identified in these communications.

All comments received on the Draft EIS and BPA's responses to these comments are provided in their entirety in Volume 3 (Volume 3A through 3H). Each page of comments is followed by a page of BPA responses to the comments. Due to the number of comments received, Volume 3 has been divided into eight parts for the purposes of printing and managing electronic file sizes (Volume 3A through 3H). The range of log numbers and page numbers found in each volume is included in Table 1 - Volume Contents for reference.

How to Review Comments and Responses

Communications are ordered consecutively by log number in the report. Please refer to Table 2 in the Introduction of Volume 3 for a list of all communications submitted by each commenter and the page number where the communication can be found in Volume 3A through 3H. If BPA's response to a comment refers back to an earlier response, use Table 1 to find the referenced log number. An online comment response search tool is also available at <http://www.bpa.gov/Projects/Projects/I-5/Pages/Search-Comments.aspx>.

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14093 – 14379	3A	1 - 402
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14380

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

BPA's Proposed I-5 Corridor Reinforcement Project
Draft environmental impact statement comment form

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14380-1

*my own personal opinion is that
no matter how I feel or what I say
you are going to do this project where
ever you want anyway.*

Sincerely

*Mrs. K. Gaspar
Vancouver, WA*



1 of 1

14380-1 Comment noted.

14381

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

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Name (will be included with your comment in the final EIS) MIKE FIX

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14381-1

In reviewing the maps provided, as well as all materials, I support BPA's decision to utilize the Central Alternative option I, as the best compromise. I appreciate your process, all the work you have done on this matter, and especially in hearing all our views on this. Thank you.



1 of 1

14381-1 Comment noted.

14382

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Name (will be included with your comment in the final EIS) Sirrah Corp.

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14382-1

recommend proceed to construction using Central Alternative, Option 1. The time for research, analysis and study must draw to a close at some point and move on to action phase. There is probably no perfect answer, but these improvements are necessary

14382-2

to assure reliability and a robust power supply system.

Sincerely,

Eugene Harris, Pres.

Eugene Harris, President
Sirrah Corp.



1 of 1

14382-1 Comment noted.

14382-2 Comment noted.

14383

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

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Name (will be included with your comment in the final EIS) Rosalie Karatekas

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

On behalf of the "Old Ranch" Homeowners Association
in Brush Prairie* we
request a visual simulation, facing East.

14383-1

*We are closer to Hockinson than Brush Prairie



1 of 1

- 14383-1 Chapter 7, Visual Resources, and Appendix E explain the methodology used for the visual assessment. Realizing that there are a large number of potential viewing locations that could have been chosen for simulations, and using the methodology indicated above, we identified key public viewing locations where visual changes could occur. More simulations have been added to the Final EIS.

14384

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

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Name (will be included with your comment in the final EIS) ERIC WOODWARD

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14384-1

I WOULD LIKE A COPY OF THE HIGH RESOLUTION FILES OF MAP C (THE FILE USED TO MAKE THE DISPLAY PRINTS) PLEASE CONTACT ME RE: FILE FORMAT + DELIVERY THE ON LINE MAPS ARE DIFFICULT TO SEE DETAIL DUE TO EXTRA INFORMATION ON THE LAYER

PLEASE DO NOT INCLUDE CONTACT INFORMATION IN ANY PUBLICATION
CONTACT INFO - email
PHONE



1 of 1

14384-1 BPA provided the requested file to the commenter.

14386

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

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Name (will be included with your comment in the final EIS) JOHN ORSAHL

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments: 1-23-13

14386-1

I AM ENCLOSING MY PREVIOUS LETTER.
MY INVITATION STANDS. THE VALUE OF
MY PROPERTY WILL BE DESTROYED BY

14386-2

PUTTING THIS POWERLINE IN FRONT OF MY
VIEW PROPERTY

John Orsahl



1 of 2

14386-1 BPA visited the commenter's property with the commenter and discussed his concerns. Please see the response to Comment 14097-1.

14386-2 Please see the response to Comment 14140-2.

14386

January 7, 2013 *AND JANUARY 23*

To: Mark Korsness, Bpa.

Mark, my name is John Opsahl. I live at

I spoke with you on the phone Dec. 10 2012 concerning the I-5 corridor project,

14386-3 | powerlines and towers F28, F29, F30, and F31. As I told you before, this

14386-4 | placement will destroy the value of my view property. My home and view

14386-5 | property are also my retirement and any value loss will be substantial.

14386-6 | I did invite you and any BPA person to come and see the property and see what

14386-7 | the damage can be. That offer stands. I can be reached at _____ and

Thank you for your time,



John Opsahl

2 of 2

14386-3 Please see the response to Comment 14140-2.

14386-4 Please see the responses to Comments 14140-2 and 14328-5.

14386-5 Please see the response to Comment 14386-1.

14387

MICHAEL E BLAKE

01/27/2013

14387-1 | Please extend the comment period for 90 days. Our family property is directly impacted by the "F" segment at Cowlitz Crossing. We need additional time to address and further research the agency's Draft EIS. Thanks, Mike Blake

14387-1 In response to public comment, BPA extended the comment period until noon March 25, 2013.

From: noreply@bpa.gov
Sent: Saturday, January 26, 2013 8:00 PM
Subject: BPA I5 Comment Submission Confirmation
Attachments: Friends of Green Mt Fern Dr Tie Pond Rd0001.pdf

Thank you for submitting your comments on the Bonneville Power Administration's draft environmental impact statement (EIS) for the I-5 Corridor Reinforcement Project. All comments submitted between November 13, 2012 and March 1, 2013 (before midnight) will be responded to in the final EIS, which is expected in 2014.

A copy of your information, as submitted using our online form, is included below for your records. If you provided your contact information and submitted a question we can answer at this time, you will receive a response. Your contact information will also be added to our project mailing list. All comments including names will be processed and then posted on BPA's website at www.bpa.gov/goto/i-5

Sincerely,
Bonneville Power Administration

Name: Fern Drive/Tie Pond Road Landowners none Fern Drive/Tie Pond Road Landowners
Organization: Friends of Green Mountain
E-mail:
Phone:
Address:

Please ADD me to the mailing list.

Comment:

14388-1 As Fern Drive and Tie Pond Road landowners, we propose that towers 18/19, 18/20, 18/21, 18/22, 18/23, 18/24, 18/25, 18/26, 18/27, 18/28, and 18/29 are moved 800 feet to the south.

14388-1 Please see the response to Comment 14097-1.

P 1 of 2

and Tie Pond Road

As Fern Drive Property Owners; we propose that towers ~~1823~~¹⁸¹⁹ to 1829 be moved 800' to the south.

1-26-13

Carl Hull

Ken Baden

Kent Burns

Doug Zitt

Chris B

Pete Leake

Vic Vaskelis

pg 2 of 2

Michael Beckman

Richard Davis

Ben & Cathy Kandoll
Ben Kandoll
Cathy Kandoll

14389

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14389-1

*Hope you dont put it close to my house
Thanks.*



14389-1 Comment noted.

14390

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

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Name (will be included with your comment in the final EIS)

Thomas Brittain

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14390-1

Thank you for listening to the "majority" of affected homeowners and choosing an alternative that has a lesser impact on the "urban" population!



1 of 1

14390-1 Comment noted.

14391

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

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Name (will be included with your comment in the final EIS) Sharon L. Sharn

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14391-1

I'm glad the preferred route does not include the cut-off M.



1 of 1

14391-1 Comment noted.

14392

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

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Name (will be included with your comment in the final EIS) Norman Gustafson

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14392-1

Consideration needs to be given to
Residents along the Corridor - Height
is TOO great. Magnetic field too

14392-2

Strong for people whose lives are
jeopardized



1 of 1

- 14392-1 Please see the response to Comment 14171-10.
- 14392-2 Chapter 8, Electric and Magnetic Fields, explains the electric and magnetic effects standards available in the industry. BPA lines are designed and operated to minimize EMF exposure wherever practicable in accordance with recommendations made by the World Health Organization, the Institute of Electrical and Electronics Engineers, and others.
- Please see the response to Comment 14328-6.

14393

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

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Name (will be included with your comment in the final EIS) DON RANDOLPH

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14393-1

The Central alternative
Option 1 accomplishes what
we have all wanted from
the start: the least disruptive
route for homeowners and avoiding
densely populated areas.

~~Don~~



1 of 1

14393-1 Comment noted.

14394

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

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Name (will be included with your comment in the final EIS) Mark Dannelly

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14394-1

I am glad that the agency has chosen option 1 as the preferred route. Impacting the least number of households. Also that both major power lines are not together thus not risking the possibility of losing all power transportation if some natural or man made disaster would occur.



1 of 1

14394-1 Comment noted.

14395

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

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Name (will be included with your comment in the final EIS)

Miles Manchester

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14395-1

I recognize there has been effort to reduce the number of affected homes. But more needs to be done.

14395-2

Placing the line further North and East of Silver Lake and South through timber lands would reduce the number of homes and higher valued properties that would be affected.



1 of 1

14395-1 Comment noted.

14395-2 Routes farther north and east were studied and are discussed in Sections 4.7.2.4, Northeastern Alternative, North of Silver Lake, Washington, and 4.7.2.7, Transmission Line Routes Bordering U.S. Forest Service and WDNR Land East of the Project Area and in a project communication found on the project website at: <http://www.bpa.gov/Projects/Projects/I-5/2012documents/Decision-northeastern-route-Jan2012.pdf>.

Impact tradeoffs between the suggested route and already proposed routes tend to generally be the same, and for some project components such as cost, constructability, and the environment, the "gray line" would likely have greater impacts than the action alternatives because of its length and the terrain it would cross.

14396

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

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Name (will be included with your comment in the final EIS) Tomida Brunz

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14396-1

You are doing a good job keeping Citizens informed. We no longer have a computer in Amboy and don't feel our input is

14396-2

valid any longer.



1 of 1

14396-1 Thank you for your comment.

14396-2 Comment noted. We welcome any input, should you choose to provide more in the future.

14397

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

BPA's Proposed I-5 Corridor Reinforcement Project *1 Dec 2012*
Draft environmental impact statement comment form

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Name (will be included with your comment in the final EIS) Tom Horsley

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14397-1 | _____ The Central Alternative using Option (1) is the
right selection and my choice too. I hope to see this project

14397-2 | move forward as delay only adds to the costs. The needs are there.

Tom Horsley



1 of 1

14397-1 Comment noted.

14397-2 Comment noted.

14398

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14398-1

Still puzzled as to why line #9 wasn't used. Central Alternative, option 1 looks like a good second choice.
Thanks for asking for my input.

14398-2

No matter what happens I'm always amazed by what BPA has accomplished over the years.
John Swatosh



1 of 1

14398-1 Comment noted.

14398-2 Comment noted.

14399

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14399-1

STICK ONE OF THESE TOWERS IN YOUR
BACKYARD. BETTER YET STICK THEM
ALL WHERE THE SUN DOESNT SHINE!



1 of 1

14399-1 Comment noted.

14400

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14400-1

Please move that thing where it belongs; along the BPA right of way. That area is already blighted & depressed. Do not do the same thing to us folks in the Arvid street who

14400-2

were moved here to get away from the eyesores of the city.

14400-3

Using "Government Agency" and the phrase "Saving money" ^{in the same paragraph} is an oxymoron every American knows all too well.

14400-4

Please, move that thing along the BPA right of way or way exist on timber land where homeowners will not be as ~~serviced~~ ... disserved

14400-5

Why are we getting poorly compensated & blighted for the sake of Oregon & California. We don't live in Oregon or California & yet we are asked to take the \$\$\$ hit so BPA can make millions...

Eric Child

C Eric & Andrea Child



1 of 1

14400-1 Comment noted.

14400-2 Comment noted.

14400-3 Comment noted.

14400-4 Comment noted.

14400-5 BPA is a not-for-profit federal agency that has an obligation to ensure that it has sufficient capability to serve its customers through a safe and reliable transmission system that complies with national reliability standards. The Federal Columbia River Transmission Act directs BPA to construct improvements, additions, and replacements to its transmission system that are necessary to provide service to BPA's customers, maintain electrical stability and reliability, and integrate and transmit power.

The I-5 Project would benefit utilities throughout the southwest Washington and northwest Oregon area by providing a parallel network to the existing 500-kV transmission system. The primary purpose of this project is to keep pace with the increasing energy needs in the local project area.

Demand is growing in the Portland, Vancouver (including Camas), and Longview areas combined. The entire area draws on the transmission lines along the I-5 corridor in much the same way. While population and therefore electricity demand in northwest Oregon is higher than in southwest Washington, improved transmission is just as important to provide reliable power in the greater Vancouver area as it is to the Portland area. This is because the power grid operates as an integrated system. Since there is very limited local generation, the area receives most of its power through the I-5 corridor transmission system and is especially reliant on the 500-kV system at times of peak summer demand.

14401

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

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Name (will be included with your comment in the final EIS) Both Curphen

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14401-1 Our house sits within view of tower P3. Because there is an open space on our property that runs from the house to where ~~P3~~ P3 tower would be if the Draft Impact statement does in fact become implemented, we most likely would have full view of the tower. If the tower is moved south approx. halfway to tower P4 it would be hidden from view by ~~the~~ our timber (and if P4 was moved south some

14401-2 it probably will be out of view of the house directly to the west of it ~~also~~ (also). That would make the presence of a tower so near to us more tolerable. Thank you for your consideration.

14401-3 Please note that I still recommend the Gray Line location deeper into the forest, as it would be much farther away from populated areas.



1 of 1

- 14401-1 For the EIS, simulations were completed for key public viewing locations, but not for all potential viewing locations potentially affected by the action alternatives. At this particular property, if the commenter looks to the east, the new line would be partially visible. Use of the existing maps and visual impact descriptions for route segments in Chapter 7, Visual Resources, and Appendix E are the best available resource to determine a potential visual impact to the commenter's property.
- 14401-2 Please see the response to Comment 14097-1.
- 14401-3 Comment noted.

14402

Jan 23, 2013

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

BPA's Proposed I-5 Corridor Reinforcement Project
Draft environmental impact statement comment form

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Name (will be included with your comment in the final EIS)

Paula Overholtzer

Address

Please add me to the mailing list

Please remove me from the mailing list

on list

Comments:

This is my 9th "BPA Informational Meeting" in these past 2 months.

How can common sense, passion, and reason have a chance against rooms full of salaried BPA and BPA-contracted employees?

26 of you tonight!

You've outnumbered interested community members by big ratios at every meeting! Many of my own neighbors (obviously) don't feel passionate enough to come.

Sometimes I feel incredibly discouraged by your (BPA) intent to damage east Clark County.

Paula Overholtzer



1 of 1

14402-1

- 14402-1 BPA's intent is to gather public comments about the project and analyze potential project impacts as we design a project that would meet the purpose and need identified in Chapter 1, Purpose of and Need for Action.

01/23/13
14403

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

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Name (will be included with your comment in the final EIS) Joseph J Arnold

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14403-1

A) Government projects, such as this, should be conducted on government land. The DR should not be allowed 'first right of refusal'.

14403-2

B) Should the route be altered from 23-18-28-V to another optional segment those people impacted will receive/have the same opportunity and time element to respond/comment on the reroute decision. Not a last moment change that must be rushed through to meet deadlines due to unforeseen complications.



1 of 1

14403-1 Comment noted.

14403-2 Although segments 23, 18, 28 and V are included in the Preferred Alternative, all segments identified on the project map are still under consideration. If BPA makes changes to the Preferred Alternative, we would announce those changes and keep people informed through the project mailing list and the project website.

14404



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

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Name (will be included with your comment in the final EIS) _____

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14404-1

Thanks for putting this BG info-nite together



1 of 1

14404-1 Comment noted.

14405

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

BPA's Proposed I-5 Corridor Reinforcement Project
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Name (will be included with your comment in the final EIS) P. Hendrickson

Address _____

Please add me to the mailing list Please remove me from the mailing list

Comments:

14405-1

I am no longer the owner of

I've moved so please Direct these letters to the new Residents
FRampton

Thank you



1 of 1

14405-1 BPA adjusted the project mailing list as requested.

14406-1 BPA adjusted the project mailing list as requested.

14407

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

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Name (will be included with your comment in the final EIS) EDWARD H EDDY

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14407-1

DECEASED IN 2008
PLEASE STOP SENDING



1 of 1

14407-1 BPA adjusted the project mailing list as requested.

14408

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

Terry T. Brandon

My address affected by this proposal:

14408-1

Please change my mailing address to:

Terry T. Brandon



1 of 1

14408-1 BPA adjusted the project mailing list as requested.

14409-1 BPA removed the commenter from the project mailing list as requested.

14410

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

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Name (will be included with your comment in the final EIS)

SALLY SMALLEY

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14410-1

*Do not own any property @ Lake
Merwin anymore*



1 of 1

14410-1 BPA removed the commenter from the project mailing list as requested.

14411

303562 856322 41
Darrell E Smith
Mildred M Smith

14411-1

*Do as you please
without our advice
we like the way you're
going. D.S.*

14411-1 Comment noted.

14412

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

Robert C Wills + Nohar Jo Wills

Take us off The mailing list

Thank you

Bob Wills

14412-1



1 of 1

14412-1 BPA removed the commenter from the project mailing list as requested.

14413

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

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Name (will be included with your comment in the final EIS) *David Carson*

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14413-1

I am not the property owner at this address



1 of 1

14413-1 BPA removed the commenter from the project mailing list as requested.

14414

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

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Name (will be included with your comment in the final EIS) Nancy Schmieder

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14414-1

I don't own this property
any longer.



1 of 1

14414-1 BPA removed the commenter from the project mailing list as requested.

14415

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

Address Change .

14415-1



1 of 1

14415-1 BPA adjusted the project mailing list as requested.

14416

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14416-1

I do not own any property in Washington



1 of 1

14416-1 BPA removed the commenter from the project mailing list as requested.

14417

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

BPA's Proposed I-5 Corridor Reinforcement Project
Draft environmental impact statement comment form

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Name (will be included with your comment in the final EIS) Jacob Boomhauer

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14417-1

We have moved to Georgia!



1 of 1

14417-1 BPA removed the commenter from the project mailing list as requested.

14418

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

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14418-1

We no longer own property
in Wash. state. There are new
owners.
Thank you
WJH Wylh



1 of 1

14418-1 BPA removed the commenter from the project mailing list as requested.

14419

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

BPA's Proposed I-5 Corridor Reinforcement Project
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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14419-1

We receive (3) notices each time

Lloyd - PATRICIA BRISTER >
Lloyd BRISTER
BRISTER



1 of 1

14419-1 BPA removed the commenter from the project mailing list as requested.

BPA I-5 Corridor Reinforcement Project Voicemail
Received: 01/23/2013 11:19 a.m.

14420-1

Yes my name is B. J. McIntosh, Betty Jo Macintosh. And I have a change of address for you. I changed it originally and you're going to go from the old address of _____ to the new address, _____ . If you have any questions my phone number is _____ . I am planning to attend the public meeting on February the second in Longview. Thank you, bye-bye.

14421

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

BPA's Proposed I-5 Corridor Reinforcement Project
Draft environmental impact statement comment form

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Name (will be included with your comment in the final EIS)

Kelly and Valerie Harris

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14421-1

Please remove us from your mailing list. We have sold our residence at _____ this past June.

*Thank you,
Valerie Harris*



14420-1 The commenter's address was changed in the project mailing list.

14421-1 BPA removed the commenters from the project mailing list as requested.

14422

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

BPA's Proposed I-5 Corridor Reinforcement Project
Draft environmental impact statement comment form

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Name (will be included with your comment in the final EIS)

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14422-1

*I no longer live or own property
in the area.*



1 of 1

14422-1 BPA removed the commenter from the project mailing list as requested.

14423

14423-1 **Comment:**

14423-2 please extend the comment period. you can not have my land or be allowed to destroy my property value for

14423-3 your own gain. you need to use the existing route no matter what!

- 14423-1 In response to public comment, BPA extended the comment period until noon March 25, 2013.
- 14423-2 If BPA were to decide to build this project, BPA would need to acquire the property for the substations and easements for the transmission line right-of-way and access roads. An easement is the right granted by a property owner for BPA to use a limited portion of a tract of land for its facilities. BPA does not actually own the property, but the property owner grants BPA the right to construct, operate, and maintain transmission facilities. Property owners are allowed continued use of their property so long as the use does not interfere with BPA's easement uses.
- Please see the response to Comment 14104-2 regarding property value impacts.
- 14423-3 Comment noted.

14424_petition

Please acknowledge receipt of this petition and publish the same as a general comment on the project website and records.

BPA, choose the West Alternative!

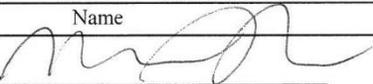
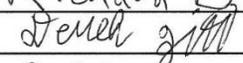
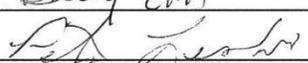
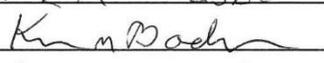
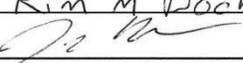
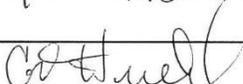
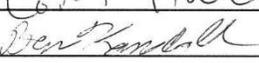
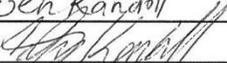
Bonneville Power Administration intends to build a new 500 kV transmission corridor, known as the I-5 Corridor Reinforcement Project, through Clark and Cowlitz Counties. BPA's choice of the Central Alternative as its preferred alternative defies logic and ignores the facts. Our goal is to minimize the impact this project will have on private landowners, the environment and scenic beauty by advocating a route that takes the least amount of land. The West Alternative is the route that accomplishes this goal. The issues are:

14424-1

1. **Landowner Rights:** BPA would need to acquire an estimated **94 acres** of private land along the **EDGES** of its existing right-of-way, the West Alternative. In contrast, on the Central Alternative, BPA would need to acquire 69 miles of new easement, **INVADING** and destroying **1255 acres** as it passes **THROUGH** new private land.
2. **Cost:** According to BPA's estimate, it will cost **74 million more dollars** to build on the Central Alternative than on the existing corridor, the West Alternative.
3. **Environmental Impact:** There is minimal damage to the environment by using the BPA-owned West Alternative, an existing transmission corridor with a 70-year history. Using the Central Alternative would require many new river and stream crossings in areas that are home to threatened and endangered species.

14424-2

We ask BPA to recognize these facts concerning the impact a new transmission corridor would have on rural homeowners, private land and landowner rights, the environment, the scenic areas that would be permanently damaged, and the productive timberland that would be forever lost. We ask you to choose the route that takes the least amount of new land. **Choose the West Alternative.** *or Build in Oregon!*

Name	Address	Date
Sign: 		1-26-13
Print: Richard Davis		
Sign: 		1-26-13
Print: Derek Zitt		
Sign: Derek Zitt Doug Zitt		
Print: Doug Zitt		
Sign: 		1-26-13
Print: Peter Lasbo		
Sign: 		1-26-13
Print: Kim m Boehm		
Sign: 		1-26-13
Print: Jessica Baird		
Sign: Vic VASKOLIS		
Print:		
Sign: 		
Print: Carl Hueckel		
Sign: 		1-26-13
Print: Ben Kandoll		
Sign: 		1-26-13
Print: Cathy Kandoll		

1 of 1

14424-1 Comment noted.

14424-2 Please see the response to Comment 14377-5.

14427-1 | See attached and please call me to discuss.

14427

Cheryl Brantley
A Better Way for BPA
<http://abetterway4bpa.org>

Page 1 of 1

From: Cheryl Brantley
Sent: Tuesday, January 29, 2013 10:47 AM
To: Grow, Luanna J (BPA) - DKE-7
Subject: RE: map request

14428

14428-1 | Luanna,
We would like these electronic maps to be able to work with landowners. We're having small, area specific meetings with landowners and need this to be able to discuss the impacts in their area.

Yes, we would appreciate all the routes, with all the mapping layers included, such as streams, wetlands, geological, roads, towers, proposed centerlines--all of it, would be very appreciated.

Below is my request again:

1

Page 1 of 2

14427-1 BPA contacted the commenter and discussed the attachment with her.

14428-1 BPA provided the commenter with the files she requested.

14429-1 In response to public comment, BPA extended the comment period until noon March 25, 2013.

From: Jane and Peter Revesz
Sent: Friday, January 25, 2013 10:11 AM
To: Grow, Luanna J (BPA) - DKE-7
Subject: Re: Response to your requests for information about the I-5 Corridor Reinforcement Project

14431

Dear Luanna Grow,

Thank you for the response. It helps some but still leaves us a long way to go.

14431-1 We point out one error that when corrected makes our proximity to Segment 18 more complicated than your statement assumes.

Our family property is the SE 1/4 of Section 35 T6N R3E WM; your preferred alternative parallels our southern property line. Your proposed power line is located in the NE 1/4 of Section 2 T5N R3E WM. This property is not owned by Department of Natural Resources but by Haslinger Prop LLC and FRANCAR LLC. Their parcel number is 272237000; it is designated forest land.

14431-2 In the BPA comments, there is a comment by a member of the family that comprises the FRANCAR LLC. That commenter is Thomas Hoesly requesting that the line be moved north. Our neighbor to the southeast is Lee Levanen; our corners touch. He also has commented on moving the line north.

14431-3 Everyday we become aware of more difficult complications and consequences this alternative potentially causes us. We absolutely need much more time to analyze the DEIS and the other evolving problems that are becoming apparent. Your helpers on Wednesday evening at Battle Ground have promised more information, copies of a new map showing the extensive wetlands on our family property on Boody Creek that segment 28 crosses. We have also found much more to explore. We are in no position to progress with decisions or suggestions until we are able to identify and evaluate locations on the ground. With seasonal roads and winter weather we will need time, better weather, and good luck to be able to do this. Getting to propose tower locations takes time and challenge this time of year.

14431-4 If there are other new maps, illustrations, materials beyond what you sent us in December, we request they be mailed to us. We did hear there were other new sets of material.

We are looking forward to receiving the materials promised to us last Wednesday. We appreciate any additional new materials that you could help us with.

Thank you,

Jane and Peter Revesz

Page 2 of 2

14431-1 Comment noted.

14431-2 Comment noted.

14431-3 BPA provided additional information to the commenter.

14431-4 BPA provided the requested materials to the commenters.

From:
Sent: Monday, January 28, 2013 1:27 PM
To: Wittpenn, Nancy A (BPA) - KEC-4
Subject: Re: I-5 Corridor Reinforcement Project

14432

14432-1 | Nancy Wittpenn. Thank you for the informative photomaps and the identification of the wetland ID for the Boody Creek Crossing area.
We did receive two e-mails from you on Friday as well as today's e-mail. We look forward to the fish-related information. Thank you for getting this to us.

14432-2 | We again ask everyone there at BPA that BPA extend the comment period well beyond the March 1 date.
Peter and Jane Revesz

Page 1 of 1

- 14432-1 BPA provided the requested materials to the commenters.
- 14432-2 In response to public comment, BPA extended the comment period until noon March 25, 2013.

YOUR RIGHTS REGARDING HEALTH INFORMATION ABOUT YOU

You have the following rights regarding health information we maintain about you:

Right to Inspect and Copy:

You have the right to inspect and obtain a copy of your health information, such as medical and billing records, that we keep and use to make decisions about your care. Copies of your health information may be obtained in an electronic or paper format depending on your request and the technology in which the records are maintained. You must submit a written request to your clinic in order to inspect or obtain a copy of your health information. If you request a copy of the information, we may charge a fee for the costs of copying, mailing or other associated supplies. We may deny your request to inspect and/or copy records in certain limited circumstances. If you are denied copies of or access to health information that we keep about you, you may ask that our denial be reviewed. If the law gives you a right to have our denial reviewed, we will select a licensed health care professional to review your request and our denial. The person conducting the review will not be the person who denied your request, and we will comply with the outcome of the review.

Right to Amend:

If you believe health information we have about you is incorrect or incomplete, you may ask us to amend the information. You have the right to request an amendment as long as this office keeps the information.

To request an amendment, complete and submit a Patient Rights Form, Section 3 (sent to the Compliance Officer at the address listed on this notice).

We may deny your request for an amendment if your request is not in writing or does not include a reason to support the request. In addition, we may deny your request if you ask us to amend information that:

- We did not create, unless the person or entity that created the information is no longer available to make the amendment;
- Is not part of the health information that we keep;
- You would not be permitted to inspect and copy;
- Is accurate and complete.

Right to an Accounting of Disclosures: You have the right to request an "accounting of disclosures." This is a list of the disclosures we have made of medical information about you for purposes other than treatment, payment, healthcare operations and a limited number of special circumstances involving national security, correctional institutions and law enforcement. This list will also exclude any disclosures we have made based on your written authorization.

To obtain this list, you must submit your written request sent to the Compliance Officer at the address listed on this notice. It must state a time period, which may not be longer than six years and may not include dates before April 14, 2003. Your request should indicate in

what form you want the list, (for example, on paper or electronically). The first list you request within a 12 month period will be free of charge. For additional lists, we may charge you for the costs of providing the list. We will notify you of the cost involved and at that time you may choose to withdraw or modify your request before any costs are incurred.

Right to Request Restrictions: You have the right to request a restriction or limitation on the health information we use or disclose about you for treatment, payment or health care operations. You also have the right to request a limit on the health information we disclose about you to someone who is involved in your care or the payment for it, like a family member or friend. For example, you could ask that we not use or disclose information about a surgery you had.

We are not required to agree to your request. If we do agree, we will comply with your request unless the information is needed to provide you emergency treatment or we are required by law to use or disclose the information.

To request restrictions, you may complete and submit the Patient Rights Form, Section 2 (sent to the Compliance Officer at the address listed on this notice).

Right to Request Confidential Communications: You have the right to request that we communicate with you about medical matters in a certain way or at a certain location. For example, you can ask that we only contact you at work, or by mail.

To request confidential communications, you may complete and submit the Patient Rights Form, Section 5 (sent to the Compliance Officer at the address listed on this notice). We will not ask you the reason for your request. We will accommodate all reasonable requests. Your request must specify how or where you wish to be contacted.

Right to a Paper Copy of this Notice: You have the right to a paper copy of this notice. You may ask us to give you a paper copy of our Notice of Privacy Practices at any time. Even if you have agreed to receive it electronically, you are still entitled to a paper copy.

To obtain such a copy, contact your medical office, or the Compliance Officer at the phone number or address listed on this notice.

Changes to this Notice:

We reserve the right to change this notice, and to make the revised or changed notice effective for medical information we already have about you as well as any information we receive in the future. We will post the current version in the office with its effective date in the top right hand corner of the first page. You are entitled to a copy of the notice currently in effect.

Complaints:

If you believe your privacy rights have been violated, you may file a complaint with our office or with the Secretary of the Department of Health and Human Services. To file a complaint with our office, contact our Compliance Officer at the phone number or address listed on the first page of this notice. You will not be penalized for filing a complaint.

treatment alternatives or health related products and services. Please send your written request to the Compliance Officer at the address listed on this notice.

SPECIAL SITUATIONS

We may use or disclose health information about you for the following purposes, subject to all applicable legal requirements and limitations:

To Avert a Serious Threat to Health or Safety: We may use and disclose health information about you when necessary to prevent a serious threat to your health and safety or the health and safety of the public or another person.

Required by Law: We will disclose health information about you when required to do so by federal, state or local law.

Research: We may use and disclose health information about you for research projects that are subject to a special approval process. We will ask you for your permission if the researcher will have access to your name, address or information that identifies who you are, or if the researcher will be involved in your care at our office.

Organ and Tissue Donation: If you are an organ donor, we may release health information to organizations that handle organ procurement, eye or tissue transplantation or to an organ donation bank, as necessary to facilitate such donation and transplantation.

Military, Veterans, National Security and Intelligence: If you are or were a member of the armed forces or part of the national security or intelligence communities, we may be required by military command or other government authorities to release health information about you. We may also release information about foreign military personnel to the appropriate foreign military authority.

Workers' Compensation: We may release health information about you for workers' compensation or similar programs. These programs provide benefits for work-related injuries or illness.

Public Health Risks: We may disclose health information about you for public health reasons in order to prevent or control disease, injury or disability; to report births and deaths; to report suspected abuse or neglect, or non-accidental physical injuries; to report reactions to medications or problems with products.

Health Oversight Activities: We may disclose health information to a health oversight agency for audits, investigations, inspections or licensing purposes. These disclosures may be necessary for certain state and federal agencies to monitor the health care system, government programs and compliance with civil rights laws.

Lawsuits and Disputes: If you are involved in a lawsuit or a dispute, we may disclose health information about you in response to a court or administrative order. Subject to all applicable legal requirements, we may also disclose health information about you in response to a subpoena.

Effective Date ¹⁴⁴³³ March 1, 2012

THE OREGON CLINIC, P.C.

Administrative Office
975 SE Sandy Blvd., Suite 201
Portland, Oregon 97214
www.oreclinic.com

THIS NOTICE DESCRIBES HOW MEDICAL INFORMATION ABOUT YOU MAY BE USED AND DISCLOSED AND HOW YOU CAN GET ACCESS TO THIS INFORMATION.

PLEASE REVIEW IT CAREFULLY

If you have questions about this notice, please contact our Compliance Officer at (503) 963-2843 or by mail at the address listed above.

Who Will Follow This Notice

This notice describes our privacy practices followed by The Oregon Clinic providers and employees.

Your Health Information

This notice applies to the information and records we have about your health status and the health care services you receive at our office. Your health record may include information created and received by our office; it may be in the form of written or electronic records, or spoken words. Your records may include information about your health history and status, symptoms, examinations, tests ordered, test results, treatments, procedures, diagnoses, medications, related billing activity and similar types of health related information.

We are required by law to give you this notice. It explains how we may use and disclose health information about you and describes your rights and our obligations regarding the use and disclosure of that information. ^{1 of 2}

Law Enforcement: We may release health information if asked to do so by a law enforcement official in response to a court order, subpoena, warrant, summons or similar process, subject to all applicable legal requirements.

Coroners, Medical Examiners and Funeral Directors: We may release health information to a coroner or medical examiner. This may be necessary, for example, to identify a deceased person or determine the cause of death.

Information Not Personally Identifiable: We may use or disclose health information about you in a way that does not personally identify you or reveal who you are.

Family and Friends: We may disclose health information about you to your family members or friends if we obtain your verbal agreement to do so, or if we give you an opportunity to object to such a disclosure and you do not raise an objection. We may also disclose health information to your family or friends if we can infer from circumstances, based on our professional judgment that you would not object. For example, we may assume you agree to our disclosure of your health information to your spouse when you bring your spouse with you into the exam room during treatment or while treatment is discussed.

In situations where you are not capable of giving consent because you are not present or due to your incapacity or medical emergency, we may use our professional judgment and determine that a disclosure to your family member or friend is in your best interest. In those situations, we will disclose only health information relevant to the person's involvement in your care. For example, we may inform the person who accompanied you to the hospital that you suffered a stroke and provide updates on your progress and prognosis. We may also use our professional judgment to recommend that it's in your best interest to allow another person to act on your behalf, to drive you to appointments, pick up prescriptions and/or medical supplies or x-rays.

Other Uses and Disclosures of Health Information: We will not use or disclose your health information for any purpose other than those identified in the previous sections without your written authorization. If you give us authorization to use or disclose health information about you, you may revoke that authorization at any time. This must be done in writing, sent to the Compliance Officer at the address listed on this notice. If you revoke your authorization, we will no longer use or disclose information about you for the reasons covered by your written authorization, but we cannot take back any uses or disclosures already made with your permission.

In some instances we may need written authorization for you in order to disclose certain types of specially protected information such as HIV, substance abuse, mental health or genetic testing information.

14433-1

HOW WE MAY USE AND DISCLOSE HEALTH INFORMATION ABOUT YOU

We may use and disclose health information for the following purposes:

For Treatment: We may use health information about you to provide you with medical treatment or services. We may disclose health information about you to doctors, nurses, technicians, office staff or other personnel who are involved in taking care of you and your health.

For example, your doctor may be treating you for a heart condition and may need to know if you have other health problems that could complicate your treatment. The doctor may view your medical history to decide what treatment is best for you. The doctor may also tell another doctor about your condition to determine the most appropriate care.

Personnel in our office may disclose information about you to people who do not work in our office to coordinate your care, such as phoning in prescriptions to your pharmacy, scheduling lab work and ordering x-rays. Family members and other health care providers may be part of your medical care outside this office and may require information about you.

For Payment: We may use and disclose health information about you so treatment and services you receive from us may be billed, and payment made from you, an insurance company or a third party.

For example, we may need to tell your health plan about a proposed treatment to obtain prior approval, or to determine whether your plan will pay for the treatment.

For Health Care Operations: We may use and disclose health information about you to ensure that you and our other patients receive quality care.

For example, we may use your health information to evaluate the performance of our staff in caring for you. We may also use health information about all or some of our patients to help us decide what additional services should be offered, how we can become more efficient, or whether certain new treatments or medications are effective.

We may also disclose your health information to health plans that provide you with insurance coverage and other health care providers who care for you. Our disclosures of your health information to your health plan and other providers may be used to improve care, reduce cost, coordinate services and comply with the law.

Appointment Reminders: We may contact you as a reminder that you have an appointment for treatment or medical care at our office.

Treatment Alternatives: We may tell you about or recommend possible treatment options or alternatives that may be of available to you.

Health Related Products and Services: We may tell you about health related products or services that may be of interest to you.

Please notify us if you do not wish to be contacted for appointment reminders or if you do not wish to receive communications about

14433-1 Comment noted.

14434

TERRIE A SPINDLE

01/30/2013

- 14434-1 I believe BPA hopes they will wear all of us concerned citizens down and eventually get their way, not what is for the betterment of the people but what is financially the best for themselves. We, the people, need a longer time to raise awareness and make comments. Please extend that time! It seems you tend to place the deadlines near holidays and busy times for citizens...purposely hoping we, the people will put our BPA concerns on the back burner, thus mssing the deadlines. Shame on you.
- 14434-2

14435

- 14435-1 I'm driving truck around the US and would like to see towers of this size in person. Where might I find them?
How does their size compare to the wind turbines?
- 14435-2 What, in the Castle Rock area, is producing that much electricity?

Thanks,
Janet.

Sent from my iPhone

14436

- 14436-1 How can i find out if my property is affected? Is there a place i could enter my address and have a map show me how close the proposed routes are to me?
- Ann Bulletset

14434-1 BPA understands that the siting process for this project can seem very long from the public's perspective, but BPA's intent is to provide opportunities for the public to review and provide input on our analysis of the project. We believe it is important to involve the public and complete a thorough review of the project's potential impacts so that we can make a well-informed decision and avoid choosing poorly because of haste.

BPA also needs to meet the purpose and need for this project in a manner that upholds our four pillars of system reliability, environmental stewardship, regional accountability and providing low-cost power.

14434-2 In response to public comments, BPA extended the comment deadline to noon, March 25, 2013.

14435-1 BPA provided the following information to the commenter: BPA maintains 500-kV transmission towers similar to the ones that would be used for the project near Troutdale, Ore. You can see the towers as they cross I-84 about 1 mile east of Exit 18. The height and design of the towers may be different in some areas depending on terrain or the presence of existing BPA transmission lines. In some cases, BPA would combine existing lines onto new towers with a different design. Typically, the transmission towers for this project would be between 120 - 150 feet tall. Appendices B and B1 contain schematics of tower designs that could be used for the project. By comparison, large commercial wind farm turbines are placed on towers about 300 to 325 feet tall. A medium-sized commercial wind tower may be 200 to 250 feet tall.

14435-2 The purpose of the project is to increase the capacity and reliability of BPA's transmission system primarily serving Clark, Cowlitz and Multnomah counties and is not for a specific power generating plant in the Castle Rock area.

14436-1 BPA provided information about how to access the interactive map to the commenter, and found that the commenter's property is not along the Preferred Alternative.

To Whom It May Concern:

14437

14437-1 I would like to thank BPA for **not** selecting the densely populated “Western Alternative” as your preferred route for building the new 500 kV transmission lines. This will save thousands of families from decimated property values and harmful levels of exposure to EMF radiation.

14437-2 I remain saddened that over 300 families will remain effected on the Central route. A better choice would have been the eastern “grey line” alternative proposed by various local groups.

14437-3 **I also realize that the decision is not yet final and I will remain vigilant and engaged as BPA's selection process is finalized over the coming months.**

Sincerely,

Michael & Nacole De Jong

14437-1 Comment noted.

14437-2 Please see the response to Comment 14395-2.

14437-3 Comment noted.

14438

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

BPA's Proposed I-5 Corridor Reinforcement Project
Draft environmental impact statement comment form

Public review of and comment on this draft EIS will continue through March 1, 2013. Comments should be as specific as possible, with references to particular pages, sections and chapters. Additional or clarifying information that should be considered is helpful. Factual corrections are appreciated. BPA staff will review all comments received and respond to them in the final EIS.

Name (will be included with your comment in the final EIS) _____

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14438-1 We Attended the January 10, 2013 meeting at Liberty Middle School in Camas. We spoke with several BPA representatives including Mark Korsness, and the US Army Corp of Engineers Steven Manlow. We did not give verbal statements, but will submit our comments in written form with this letter.

14438-2 As we stated in earlier correspondence to you, (faxed and submitted online 12/18/11) our concern lies with the proposed maintenance road which shows to be plotted between the northern existing tower, and our spring fed well. This shallow well taps into a year round stream (winter above ground and summer below ground.) and is located just north (10 feet) of the existing easement on our property. Leaving the well, the stream then creates a small wetlands area on the east side of the northern tower as it flows south through our property. The proposed road slices through the middle of that. Locating the maintenance road west of the northern tower will leave this area undisturbed. Attached map shows well location (black arrow) and wetlands area (blue vertically oriented elliptical).

14438-3 _____

14438-4 _____

14438-5 _____

14438-6 We would like to schedule a meeting with Mark Korsness, or other BPA representative along with Steven Manlow from the Army Corp of Engineers at the well site.

Sincerely, Mike & Teri Hammerquist 1/28/13

Attached: US Army Corps online Map



1 of 2

14438-1 Comment noted.

14438-2 The shallow well and associated water pipeline has been located by the landowner and surveyed in the field by BPA. The towers and access roads have been moved to avoid impacts to the well and water pipeline.

14438-3 Please see the response to Comment 14438-2.

14438-4 Please see the response to Comment 14438-2.

14438-5 Please see the response to Comment 14438-2.

14438-6 Please see the response to Comment 14438-2.



Black arrow shows well location
Blue vertically aligned elliptical highlights wetlands area

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14439

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
01/23/13 at 6:00 p.m. Battle Ground Community Center | 912 East Main Street | Battle Ground, WA
98604**

GREGORY VAUGHT:

I'm Gregory Vaught. I'm here with the Caskilla (phonetic) Homeowners Association. We are negatively impacted by segments -- the junction of segments P and V. We're here to specifically ask -- first of all, we want to point out your line in accordance with requests from DNR, the line is going to jog west for a short period of time, for about -- I think it's eight towers, seven or eight towers, and then it's going to go directly east. We're asking that you reconsider the placement of towers V27-P1, P2, P3, P4. We would like those four towers moved to the east approximately 1,000 feet.

14439-1 And we understand the DNR's position about timber revenue. However, this will actually make the line quite a bit shorter. The land has already been logged. You have existing access through Berry Road, and obviously we're talking about 30 -- 27 to 30 homes that will be negatively impacted by having these lines right up against their property.

If you move these towers to the east approximately 1,000 feet it's going to be much better for this particular -- for the homeowners. That's essentially what I would like to ask. I would like this to become perhaps an agenda item with your discussions with the DNR.

14440

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
01/23/13 at 6:00 p.m. Battle Ground Community Center | 912 East Main Street | Battle Ground, WA
98604**

CHERYL BRANTLEY:

14440-1 My name is Cheryl Brantley. I'm with A Better Way for BPA. When the draft EIS is discussing visual resources at substations where it will be adjacent to an existing transmission corridor it talks about the low scenic quality in a populated area and lower -- low viewer sensitivity. Then when the draft EIS gets to the populated areas on the west alternative area in the Portland/Vancouver basin it states, "Additional transmission lines would have low scenic quality," but then it goes on to say, "Additional transmission lines on the existing corridor would create higher viewer sensitivity than any of the new proposed rural transmission corridors."

That doesn't make sense to me. Thirty-seven years ago I moved away from the city to be close to the beautiful Douglas fir, western hemlock and western red cedar trees in the Southwest Washington foothills. No hair-brained study is ever going to convince me these trees have less scenic value than new transmission towers and lines along an existing transmission corridor would have.

14440-2 I personally don't care how BPA tries to twist the story to make it fit. It's cheap governmental land grasp. Any transmission corridor in the beautiful foothills of Southwest Washington would have a much higher scenic destruction and much higher scenic viewer sensitivity because BPA would be clearcutting up a

14440-3 600-foot, 70-mile-long new transmission corridor that will equal the largest clearcut Cowlitz and Clark County will have experienced in 70 years.

How many people do we have to speak tonight? Like five? I would ask that you would consider giving one of the last speakers a little more time to speak since it's not going to run into your deadline of 7:30, or whatever that was. Thank you.

14439-1 Please see the response to Comment 14097-1.

14440-1 Section 7.2.1, West Alternatives and Options, acknowledges that public comments received indicate residents along the West Alternative are highly sensitive to change. This Section also discloses how viewer sensitivity varies locally with land use and density, including that rural viewers' sensitivity may be higher given expectations of more natural landscapes.

Please also see the response to Comment 14171-10.

14440-2 Comment noted.

14440-3 Chapter 17, Vegetation, acknowledges the potential effects of the action alternatives on vegetation resources including the amount of vegetation removal (Section 17.2.2, Impacts Common to Action Alternatives). BPA has worked to minimize impacts to visual resources for the action alternatives through project design and mitigation measures, such as limiting ground and vegetation disturbances. Mitigation measures are provided in Chapter 3, Project Components and Construction, Operation, and Maintenance Activities; Chapter 7, Visual Resources; and Appendix E.

14441

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 01/23/13 at 6:00 p.m. Battle Ground Community Center | 912 East Main Street | Battle Ground, WA 98604

PAULA OVERHOLTZER:

Hi, I'm Paula Overholtzer. I'm a Dole Valley property owner, tree farmer, and I'm a mile away from the proposed power lines, but I'm still extremely concerned about the environmental impact. I was a teacher in this town at Battle Ground Schools and at La Center for 30 years, and part of the time in science enhancement and concerned about the environment.

I was very encouraged Monday to hear our new president -- well, our president's new inaugural speech, I should say -- our wonderful president's speech -- and I listened to it four times to make sure I heard what I thought I heard, and his powerful message, quote, to maintain our forests and waterways, to preserve our planet.

14441-1

It just impacted me greatly to think of what's going on here and the proposals all around us. I shouldn't saturate myself with what's going on, but today I watched a documentary about the oil extraction from the tar sands of the Athabasca River Basin in Canada. They are ravaging the place. And I read about Mt. St. Helens and a proposed open pit mine in the Goat Mountain Wilderness area, and then I think about this power line shooting down through east Clark County.

And I just -- I can't think about these things when I'm with my grandchildren. I can't even think about these things. I have to come out of this zone, but I know that we -- I'm not the only one who's concerned about the environment when I hear President Obama speak.

I think that you, Bonneville Power, should be -- if your goal is to impact us much less, then build the mega towers on your own land where you already have the right-of-way and you already have people impacted by those lines. And that was the plan 70 years ago; to come down through there, and so your footprint would be as small as possible, because you already have a footprint there.

14441-2

And so just build right on top of what you already have. Make them as big as you want, whatever, but don't come out to east Clark County and ravage and impact and damage our environment, because it's just -- it's not even what -- it's not even what this country is about.

The Better Way for BPA are not the only concerned people, but I sort of feel that way when I look at the room we just came from with 26 BPA or BPA contracted employees on salaries, and here we are trying to say do the right thing by the rivers and the streams and the forests. And listen to our president; maintain our forests and waterways, preserve our planet.

14441-3

14441-1 Comment noted.

14441-2 Please see the response to Comment 14110-1.

14441-3 Comment noted.

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 01/23/13 at 6:00 p.m. Battle Ground Community Center | 912 East Main Street | Battle Ground, WA 98604

RAY RICHARDS:

I'm Ray Richards with A Better Way for BPA, a board member of the organization, and I'm looking at Chapter 4.7.2 where some of the segments are discussed, and it reads, "Segment O was developed farther east, away from homes." Well, I can count nine homes in that vicinity where it crosses the East Fork, so it wasn't real successful in that particular area for avoiding homes.

"Segments O and P were located to mostly follow property and section lines to minimize potential impacts to logging practices." So anyway, it looks like a stated goal would be to stay away from homes and to follow property lines. Well, I can give a good example of where that's not happening, and there's more than just my example, and this is on route Segment V, and this is where it crosses the East Fork.

14442-1

I count 26 homes within your notification buffer, and as far as following property lines, it's going through the middle of two properties with pretty good chunks of acreage. You could argue you're following property lines, but these two chunks are actually large holdings that are segmented into five-acre chunks, but they are contiguous chunks owned by the same owners, one chunk by one and one by another. That's not what I call following a property line.

A property line is between me and my neighbors. It's not an imaginary line going through the middle of my property or my neighbor's property, so I think that needs to be addressed. It just makes no sense to just rip somebody's property in half.

And there are other alternatives, and of course, the ideal alternative, as has been stated before; use what you've already got because all these new rural routes are about waste: Waste of money -- \$74 million by your estimate; the waste and invasion of property -- 1300 acres or more; and the waste of the environment -- 68 river and stream crossings where it will be clearcut at the water's edge.

14442-2

And that's -- there's more than that, but that's all -- disruption of wildlife, but it goes on and on. So once again, the only sensible choice if it goes through Cowlitz and Clark Counties is to use what you've got, the west alternative.

14442-1 BPA considered property lines and homes at various distances from the line when developing route alternatives. Please see the response to Comment 14097-1.

14442-2 Comment noted.

14443

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 01/23/13 at 6:00 p.m. Battle Ground Community Center | 912 East Main Street | Battle Ground, WA 98604

MERLE MOORE:

My name is Merle Moore. I'm in what you refer to as central alternative option three.

Chapter 4.7.2.1, I'll be quoting from the FOIA No. BPA 2010-00630-F. This Freedom of Information Act document is dated September 10, 2009 and is a presentation to the administrator.

Page 22, paragraph 1, sentences 1 and 2 you discuss the early planning process and consider routes divided into 40 segments. We're talking about the Pearl here -- from Castle Rock to the Pearl substation. My response, FOIA, page 1 of 14, what you really did was, quote, in the spring of 2009 BPA began strategizing on public outreach approaches for the project, and initial contacts were made with local officials.

Sentence 3, "BPA reviewed these routes and found they had several constraints that affected the reasonableness for using these segments for a new transmission line route." My response, FOIA page 114. Secretary of Energy Chu told the BPA administrator in the summer of 2009, quote, he had a strong desire to move forward with the I-5 project and other BPA proposed infrastructure projects with links to the Recovery Act on aggressive schedules with the expectation that these schedules be met.

Paragraph 2, both sentences, you discussed no vacant BPA right-of-way on the Pearl. New rights-of-way would have to be purchased in Washington and Oregon and likely private homes would have to be removed. So my response is, so you came to Washington where there is an existing right-of-way with room for the project, but you didn't want to use it either; is that right? Instead you chose to build where a new right-of-way will have to be purchased, the very thing you did not want to do in Oregon. And where and how many private homes would have to be removed? Because I would like a copy of those studies.

14443-1

You could have put the Pearl on the table with the Troutdale corridor, but your choice was to combine the two and then compare them against the Troutdale route alone, but never the Pearl alone. You did this to save time and stay on the project's schedule.

You do not have strong and compelling reasons to not consider using the Pearl route. It was not in the absence of -- it was not studied. Consequently, not even one of us has any data as to the accuracy of your information. In the absence of any verifiable data you asked us to believe the Pearl is not a valid route. Well, I say not likely.

Paragraph 3, all sentences, you discuss the technical issues with the new Columbia River Crossing and likely higher environmental impacts. My response, you don't have a problem when it comes to going through the middle of a county, destroying residential properties and creating impacts such as those you stated. Would you not do the same thing in the process you always do? And that is complete the project on schedule, then mitigate the problem later.

My yellow light is on and I'm not ready to wrap up, so I will wrap up. It's going to take a minute.

Page 14 in the FOIA, this is your recommendation, and it refers to using the Troutdale only corridor identified in the FOIA as alternative two. Quote, BPA should follow alternative two and drop the Pearl

1 of 2

- 14443-1 The reasons why Pearl Routes were considered but eliminated from detailed study are explained in Section 4.7.2.1, Alternate Routes from Castle Rock, Washington to near Wilsonville, Oregon (Pearl Routes. BPA believes that collectively, these are sufficient reasons for eliminating the Pearl Route alternatives, and that the alternatives analyzed in detail in the EIS permit a reasoned choice from among a variety of alternatives. To clarify, BPA has not yet chosen to build the project on a particular route; instead it has identified its preferred alternative. See also the response to Comment 14110-1.

14443

corridor from further consideration at this time. The project siting team believes that these routes that have been developed in the Troutdale corridor represent a wide range of reasonable alternatives to consider and to take to the public. The siting team also believes that the Pearl corridor provides no advantage to the -- that make it unreasonable -- excuse me, unreasonable to consider further.

14443-1

In addition, the project siting team believes that additional landowners will be put in a state of limbo for three plus years with regard to the value of their property, not knowing whether to invest in their homes or sell, et cetera, when we feel it is highly unlikely we would build to Pearl.

BPA should not carry Pearl through scoping and then drop it because that will mobilize the Troutdale option landowners too in their eyes. The apparent feasibility is building to the Pearl instead, which would likely result in challenges and may force us to bring Pearl back in some point during the three years and a much longer project schedule, and it all boils down to saving time and doing the project fast and furious through Clark County, and it hasn't been easy because we will continue to resist you.

14443-2

And my last statement is, I just wanted you to know, in case you don't know this, in the state of Washington -- the State of Washington states that fair market value or true value is the amount that a willing and unobligated buyer is willing to pay a willing and unobligated seller.

14444

BPA I-5 Corridor Reinforcement Project Voicemail

Received: 02/04/2013 2:20 p.m.

Hi this is Judy Potter.

. Regarding my daughter, Amanda Swanson's, property,

in Castle Rock regarding the access road that she was given and I just need a little bit of

information regarding that access road for the main project. She was given an invitation to the I-5

14444-1

Corridor Reinforcement Project. I went on February 2nd to get the information and that's why I'm calling

you now. I have a question regarding the access road going through her property which is forest

property. So please, call me back. Judy Potter,

. I understand there is an open house this

evening from 5 to 9 in Castle Rock Elementary Cafeteria. So, I would prefer if you would call me now. I

14444-2

don't know if I have to make that meeting, if you can just answer a simple question. And it's regarding

and the access road that they're definitely going to put through there. Thank you, bye.

14443-2 Every property BPA would acquire land rights from, for the proposed transmission line, would be appraised at its Fair Market Value (“present value of future benefits”). These appraisals would reflect the property’s value assuming there is no project. The appraisal process would reflect the value of adjacent property types (“across the fence part taken appraisal methodology”) plus any damages that apply to individual properties the transmission line right-of-way crosses. In some instances, a Fair Market Value assuming the project never existed and a Fair Market Value assuming the project is finished and operational (“before and after appraisal methodology” of the “larger parcel”) may be employed. Roads would be appraised based on either road easement sales (“value in use appraisal methodology”) or by the Fair Market Value procedure using adjacent property types. These appraisals would be prepared by either a third party appraiser, knowledgeable in the local market and licensed as a Certified General Appraiser in the state of Washington or by BPA staff appraisers. Timber would be appraised based on its fair market value at the time of identification/marketing. Any and all Fair Market Values concluded through appraisal activities would be as of the appraiser’s inspection date.

In the appraisal process, the comparables selected for the property affected by the project (subject) would reflect all the attributes of Fair Market Value. These sales, after analysis and comparison, would help the appraiser render an opinion of Fair Market Value for the subject property.

14444-1 BPA contacted the commenter and determined that her property is not on the Preferred Alternative and provided the information she requested.

14444-2 Please see the response to Comment 14444-1.

14447

VLADEK SWIECH

02/06/2013

To: Bonneville Power Administration

Re: I-5 Corridor Reinforcement Project

I wish BPA would scrap this existing I5 corridor project and get back to the drawing boards again. I cannot believe that while NASA is able to put robot on Mars, BPA cannot make a smart use of their existing rights of way to transmit power.

Requiring more land, destroying habitats and people livelihood is not the answer. Enough damage has been already done to this once beautiful land, full of trees, animals, clean air and waters.

It could be done. It has been done by others and just lately by National Grid and the Vermont Electric Power Company in New York and Vermont.

“How did they do it? First, they routed new lines through an existing power line corridor. This had less impact on both the environment and local residents. But the companies also credit their commitment to managing their rights of way to benefit both the bottom line and the environment.”

<http://northernwoodlands.org/articles/article/powerlines-as-habitat>

The Susquehanna-Roseland line

“The new, 500-kilovolt power line will run from Berwick, Pa., to Roseland, N.J.

14447-1 About 95 percent of the route will follow the path of an existing 85-year-old power line that must be replaced because it is approaching the end of its useful life and is undersized for today’s electricity demands. Following an existing power line route significantly reduces the project’s overall impact on people and the environment.”

<http://www.pplreliablepower.com/projectupdates.htm>

http://www.lehighvalleylive.com/today/index.ssf/2010/09/power_companies_may_settle_for.html

By Dominion Virginia Power

“picks existing right-of-way for new power line

It proposes to build a new transmission line along an existing right-of-way through parts of Culpeper, Fauquier, Rappahannock, Prince William and Loudoun counties.

New towers averaging 125 feet to 140 feet tall would replace existing structures to accommodate the proposed line. The right-of-way includes 500,000-, 230,000- and 115,000-volt lines.”

<http://ww2.fairfaxtimes.com/cms/archivestory.php?id=221498>

14447-1 Please see the response to Comment 14110-1.

- By Progress Energy
utilizing existing power corridor through Hernando County.
<http://www2.hernandotoday.com/news/hernando-news/2008/dec/27/ha-right-of-way-needs-for-power-lines-limited-prog-ar-282868>
- By Allegheny Power
- 14447-1 “AEP is apparently supporting the existing right-of-way which already has high-voltage towers, widening it by 200 additional feet and installing new towers.”
http://www.hurherald.com/cgi-bin/db_scripts/articles?Action=user_view&db=hurherald_articles&id=30109
What BPA is proposed instead, it is a barbaric, 19th-century approach in 21st-century world, because land grabbing is easy. Like a surgeon repairing hernia by using scalpel instead of robotic method, because the first one is “cheaper”.
- As an alternative solution I would suggest No Action Alternative for the time being and take a serious look at burred wires option.
It has been done by others, so it can be done.
Like in The Champlain Hudson Power Express project.
http://www.chpexpress.com/docs/Stony_Point_Hearing_Notice%201_18_2013.pdf
- 14447-2 Like by ABB and Germany's Siemens.
“In recent years, companies such as ABB and Germany's Siemens have built a number of big HVDC transmission projects, like ABB's 940-kilometer (584-mile) line that went into service in 2004 to deliver power from China's massive Three Gorges hydroelectric plant to Guangdong province in the South. In the United States, Siemens for the first time ever installed a 500-kilovolt submarine cable, a 65-mile HVDC line, to take additional power from the Pennsylvania/New Jersey grid to power-hungry Long Island.”
<http://news.nationalgeographic.com/news/energy/2012/12/121206-high-voltage-dc-breakthrough/>
- 14447-3 Living close to power lines is another serious concern.
“After the first suspected link between overhead power lines and cancer was made in America in 1979, by year 1990 over one hundred studies had been conducted worldwide. Of these, at least two dozen epidemiological studies on humans indicated a link between EMFs (including power lines) and serious health problems. In response to public pressure, the Environmental Protection Agency (EPA) began reviewing and evaluating the available literature.

14447-2 Please see the response to Comment 14283-1 and Section 4.7.5, High Voltage Direct Current (HVDC) Technology.

14447-3 Please see the response to Comment 14328-6.

The EMF information specific to your area is provided in Table 7 and Figure 2 of Appendix F.

In 1998, an expert working group, organized by the National Institute of Health's National Institute of Environmental Health Sciences (NIEHS), assessed the health effects of exposure to extremely low frequency EMF, the type found in homes near power lines. Based on studies about the incidence of childhood leukemia involving a large number of households, NIEHS found that power line magnetic fields are a possible cause of cancer. The working group also concluded that the results of EMF animal, cellular, and mechanistic (process) studies do not confirm or refute the finding of the human studies. The International Agency for Research on Cancer (WHO) reached a similar conclusion."

<http://www.epa.gov/radtown/power-lines.html>

14447-3

Even if the study were inconclusive and insufficient as some scientists on power company payroll may suggest, the potential danger is still there and should not be neglected.

Let us not forget the role of tobacco industry in manipulating science and regulatory procedures to its benefits or the manufacturing uncertainty regarding climate changes by others.

According to EPA the following serious health Problems may be arise due to EMF effects on human Body:

Risk of damaging DNA.

Risk of Cancer

Risk of Leukemia

Risk of Neurodegenerative disease

14447-4

Finally,

as a property owner on Fern Drive in Amboy,I don't understand why the proposed towers cannot be located further away to the South from the property lines along segment 18 .Why not allow 250 Feet of a green buffer between property lines and the towers ? This will protect homeowners not only from dangerous EMF exposure from power lines but also secure our wells from water pollution and Prevent the property value from deteriorating even further.

Is there any chance that we could work out some sort of compromise on that?

Vladek Swiech

[address]

[e-mail]

14447-4 Please see the response to Comment 14365-1.

14453

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/07/2013 3:06 p.m.**

14453-1

Yes, my name is Bill Morvee. I keep receiving these notices in the mail and I have called previously in pertaining to the property that was originally on one of the corridor lines at _____ in Longview here. That property has been sold to another party in November of 2010. I know I keep getting these notices and the people at that property probably are not getting the notices. But please take me off of your records. This address here is _____. If you'd just go ahead and remove that from your mailing, I would appreciate that. And maybe try to find out whatever residence is at the _____, the owner of the home there. So anyway do what you need to do. If you wish to call me I'm at _____. Thank you.

14454

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/07/2013 3:29 p.m.**

14454-1

Yeah, I'd like to have a mailed copy. My name is Charles Karvia

14453-1 BPA has removed the commenter from the project mailing list.

14454-1 BPA sent a hard copy of the EIS to the commenter.

February 2, 2013

RE: Bonneville Power Administration, I-5 Corridor Reinforcement Project

Cost to landowners, cost to ratepayers, cost to the environment

In studying the Big Eddy Knight project, I found BPA developed an incentive program to gain access onto private land. BPA offered and paid landowners an additional \$5000.00 on top of BPA's idea of Fair Market Value.

In studying the I-5 Corridor Reinforcement Project, I found that BPA paid for a 2-year study of PacifiCorp land, paying for "several teams that would each include a biologist and a forester, each with a minimum 4-year degree and 5-years work experience in their respective fields" to study the PacifiCorp land BPA planned to destroy.

14455-1 In looking at newspaper articles in the Goldendale Sentential, Doug Johnson, spokesperson for BPA, was quoted saying "the BPA is always accountable to the rate payers of the northwest "We keep an eye on the cost of doing business."

Money is of no concern to BPA!

- BPA chose the most expensive alternative to build the I-5 project.
- BPA paid an additional \$5,000.00 to gain access to private land on the Big Eddy Knight project.
- BPA paid for teams to study PacifiCorp lands consisting of biologists and foresters.

Private landowners of the I-5 Project expect no less. We publically request that private landowners are treated equally and fairly by BPA. We request that BPA provides the same resources that have been provided to other landowners in this project and other BPA projects as mentioned above.

14455-2 And finally, in studying the Draft EIS, mitigation is the central word. When it comes to the environment a new 70-mile long, up to 600-foot wide clearcut through new rural land—mitigation will not repair the destruction. Mitigation doesn't work—it's ^{simply} playing God with the environment.

Cheryl Brantley
A Better Way for BPA

14455-1 To clarify, the use of the word "access" in the context of the story in the Goldendale Sentinel meant purchase of an easement. This is distinguished from gaining access to property through the execution of a Permission to Enter Property (PEP) document. The PEP provides the right of entry to perform engineering and environmental reconnaissance and survey during the environmental and design process. The easement document provides perpetual rights across a landowner's property to construct, operate, and maintain a new transmission line. As BPA considers whether it will build a new transmission line, it is also considering whether it will offer a financial incentive program to all landowners in addition to the offer of fair market value for the easements needed to construct, operate, and maintain the new line.

14455-2 Comment noted.

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INTRODUCTION**NAME****ADDRESS****HISTORIC MELODY RANCH HOUSE****PREVIOUSLY WAS END OF THE ROAD****RETIRED FROM WADOT 25****CERTIFIED ENGINEER RF & NON RF TERRESTRIAL****COMMENTS AND QUESTIONS:**

14456-1

WHAT WILL BE THE EFFECTS WHEN WE APPLY FOR HISTORICAL STATUS INCLUSION?

14456-2

THE FIRST NOTIFICATIONS AND INTERACTIVE MAPS OF ROUTES UNDER CONSIDERATION SHOWED INCORRECT CORRELATION OF ADDRESSES TO THE ROUTES IN THE UPPER ROSE VALLEY AREA. EVEN BPA OFFICIALS PROVIDED CONFLICTING INFORMATION.**EVERYONE ELSE GOT 2 YEARS TO COMMENT AND WE GET 2 MONTHS. WHY?**

- 14456-1 If a building is eligible or listed in the National Register of Historic Places, BPA will take into account the effects the proposed project may have on the property. BPA will work with consulting parties to avoid, minimize and mitigate any effects the proposed project may have on an eligible or listed resource.
- 14456-2 BPA attempted to contact all landowners with property that could be impacted by proposed routes as early as possible. The interactive map is a tool BPA developed after the project started to help landowners see where the project would be in relation to other landmarks. BPA used the best information available to create the interactive map with routes. In spring 2014, BPA updated the interactive map with new design data and imagery.

14456-3 **EDGE OF NOTIFICATION AREA. OUR ADDRESS SHOULD NOT BE IMPACTED – BUT – THE PREFERRED ROUTE SHOWS LINES CRESTING THE LOWER PART OF A HILL S.E. OF MY HOME. I AM:**

CONDUCTING A LICENSED AND PERMITTED CONSULTING BUSINESS AT OUR HOME OFFICE. PRESENTLY WORKING ON THE OREGON SRP. USE OF SATELLITE INTERNET SERVICE IS MANDATORY AND THE LOCATION OF THE LINES ARE DIRECTLY IN THE PATH BETWEEN THE GEO SYNC SATELLITE AND OUR RESIDENCE. SAME ELEVATION AND SAME AZIMUTH AS VIEWED FROM HOME.

14456-4 **WILL THE POWER LINES BLOCK SATELLITE INTERNET SERVICE?
WILL THE BPA QUARANTEE UNINTERRUPTED SATELLITE SERVICE OR PROVIDE REASONABLE COMPENSATION FOR LOSS OF BUSINESS AND LOSS OF BUSINESS OPPORTUNITIES?**

- 14456-3 Most satellite internet services operate at frequencies in excess of 1 gigahertz and will therefore be completely unaffected by radio noise from transmission lines. The angle of elevation necessary from this location to clear the tops of structures of the proposed line is considerably less than the estimated minimum angle of 30 degrees elevation to a geosynchronous internet service providing satellite (elevation angle to Spaceway 3 is approximately 30.2 degrees, with others being higher). The proposed line should cause no obstruction to satellite internet reception at this location.
- 14456-4 Section 8.2.2.4, Electromagnetic Interference, describes potential impacts from electromagnetic interference. See also the response to Comment 14456-3.

PREVIOUS RESIDENCE**RAVENSDALE, WA****1500 FT FROM SAME HV POWER LINES****NOISE AND BUZZ ESPECIALLY IN SPRING AND FALL****MOUNTAIN MINISTRIES ALSO JUST OUTSIDE OF NOTIFICATION AREA.**

14456-5

MANY RECOVERING ADDICTS.**WHAT IS THE EFFECTS OF CONTINUOUS BUZZ ON FRAGILE
PSYCHS?****WILL MOUNTAIN MINISTRIES HAVE TO STOP ACCEPTING
CLIENTS?****WILL COWLITZ COUNTY BE FORCED TO PICK UP THE COST OF
HOUSING THE CLIENTS ELSEWHERE?**

- 14456-5 Corona is a weak source of audible noise and the proposed line is designed to meet applicable noise limits. The levels of audible noise are further reduced with distance. In fair weather the noise may not be detectable at all and indoors the levels would be still lower. No published research on the effects of corona on mental health could be located.

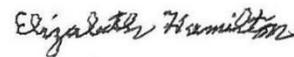
14457

BPA Feb. 02, 2013

- 14457-1
1. Will BPA be responsible for future requirements & Mandates expected of the land owner on BPA Right of way ?
 2. Are land owners compensated for the future timber they cannot grow ?
 3. If replanting is allowed due to damage by BPA, does BPA pay for this ?
 4. If required to remove fences, do you rebuild them & furnish posts, wire, labor ? *{also include}*
- 14457-2
5. How do you control public intrusion on private land now exposed as never before ?
- 14457-3
6. Can it be written in contract that BPA having Right - of way, cannot lease their Rite of way to any other entity ? (Without land owners consent and payment) ?
 7. If trash is dumped on BPA Rite of Way, who legally cleans it up, the Tax payer or BPA ?
 8. If a fire is caused by flash back or BPA wires & fire spreads, does BPA cover costs of loss to private property ?
 9. Who is responsible for a No Trespassing injury on my land leased by BPA ?
 10. With Hi Tech in the future & possibly the existing form of transporting electricity will be no longer used, can it be written that the present method will be abandoned & BPA will remove all towers & equipment & land reverts back to land owner ?? (Contract) ??

Thank You,

Sincerely,



1 of 1

- 14457-1 BPA's easement on the property for the transmission line right-of-way or other facilities would be a matter of public record. If, in the future, additional mandates or other requirements are imposed on the underlying landowner, BPA would work with the landowner to determine if its easement is affected.

BPA would compensate landowners for trees based on the fair market value of the trees at the time they would be cut. See also the response to Comment 14443-2.

BPA would work with landowners to restore land affected by the project, including paying for damaged crops and restoring disturbed areas. All trees would be removed from the right-of-way and would not be replanted.

If BPA has to remove fencing, BPA would pay to have the fencing restored to its original condition, including materials and labor.

- 14457-2 Chapter 5, Land, Section 5.2.2.2 Unauthorized Access, has a general discussion about unauthorized access. Appendix A, Washington Department of Natural Resources Lands Analysis, also addresses the potential of unauthorized public access onto the BPA transmission right-of-way and adjacent areas, as well as possible consequences of such access and methods that would be used to prevent or hinder this access. While discussed in terms of WDNR lands, the same issues and concerns would apply for other landowners as well. At a landowner's request, BPA would place gates at the entrance of access roads to prevent public access onto public and private land and the transmission line right-of-way. Even with gates, unauthorized access could occur. Unauthorized access could create low-to-high impacts.

- 14457-3 BPA's easements identify the land rights being acquired. If a third party desires to use BPA's easement area, then BPA would review the proposed use to determine whether the use is safe and does not interfere with BPA's rights. BPA would notify the third party that BPA is not the underlying fee owner and that they would need to contact the landowner to acquire the necessary land rights for the proposed use.

BPA's employees and contractors are responsible for removing any trash that they have brought to the project site before leaving the project area.

Fire damage would be reviewed by BPA to determine whether it is a direct result of BPA's activities. BPA pays for damages that are a direct result of its activities up to its financial levels of authority. Any damage exceeding this financial level of authority may be addressed through the Federal Tort Claims process.

To clarify, BPA would be acquiring easements for the land rights needed, rather than leasing those rights. If BPA determines that there is no longer a current or future need for a transmission line right-of-way, BPA typically releases the easement rights to the underlying landowners.

United States Department of Energy
Bonneville Power Administration

RE: BPA - I-5 Corridor
Reinforcement Project
Longview, Wa. Feb. 2nd 2013

My suggestion for the "EIS-BPA",
is to use their Existing - "Right of Way"
to build the needed Power Line; thus
eliminating the higher cost of;
a - Carving out "New" - across Country
"Right-of-Ways"
b- Having to build "New" - access roads
to service the Line
c- It will make the "Power-that's -
needed", more accessible for the
real growth areas
d- these "Logical moves" will save
many tax payer's dollars for
the years to come!

14458-1

Mr. William G. Sayer

William Sayer

14458-1 Comment noted.

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/02/13 at 2:00 p.m. Mark Morris High School | 1602 Mark Morris Way | Longview, WA 98632**

CHERYL BRANTLEY:

14459-1 | First off, I wanted to thank your team for giving us extra time to comment on the project. Appreciate it. My name's Cheryl Brantley. I'm with a group A Better Way For BPA. Is it on? You turned it off? I'll just talk louder. I can do that. Whoa.

14459-2 | In studying the Big Eddy Knight project, I found a BPA -- I found that BPA developed an incentive plan to gain access onto private land. BPA offered and paid land owners an additional \$5,000 on top of BPA's idea of fair market value. In studying the I-5 corridor reinforcement project, I found that BPA paid for a two-year study of PacifiCorp land paying for several teams that would each include a biologist and a forester, each with a minimum four-year degree and five years' work experience in their respective fields, to study the PacifiCorp lands BPA planned to destroy. In looking at newspaper articles in the Goldendale Centennial, Doug Johnson, spokesperson for BPA, was quoted as saying, "The BPA is always accountable to the ratepayers of the Northwest. We keep an eye on the cost of doing business." Money is no concern to BPA. BPA chose the most expensive alternative to build the project, this I-5 project. BPA paid an additional \$5,000 to gain access to private land on the Big Eddy Knight project. BPA paid for teams to study PacifiCorp lands consisting of biologists and foresters. Private land owners of the I-5 project expect no less. We publicly request that private land owners are treated equally and fairly by BPA. We request that BPA provides the same resources that have been provided to other land owners in this project and other BPA projects as mentioned above.

14459-3 | And finally, in studying the draft EIS, mitigation is the central word. When it comes to the environment, a new 70-mile-long up to 600-foot-wide clearcut through new rural land mitigation will not repair the destruction. Mitigation doesn't work. It's simply man playing God with the environment. Thank you.

14459-1 Comment noted.

14459-2 Please see the response to Comment 14455-1.

14459-3 Comment noted.

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 02/02/13 at 2:00 p.m. Mark Morris High School | 1602 Mark Morris Way | Longview, WA 98632

RAY RICHARDS:

Less than three minutes. I'm Ray Richards, concerned land owner and a board member of A Better Way For BPA. And I wanted to talk a little bit about wetlands and double circuiting on the western existing corridor.

14460-1

I want to make basically three points. Number one, wetlands are already impacted on the west alternative. Number two, double circuiting would result in no long-term net loss of wetlands on that existing corridor. And number three, BPA has apparently given this very little consideration. And I was looking at chapter 16, page 13, where it states 25 acres of fill from footings and access roads along the Coweeman, Lewis and East Fork Lewis River and salmon in Lacamas Creek would be needed. But then there's no mention of double circuiting to minimize the impact. One tower instead of two. BPA should be planning to double circuit towers in all these locations, removing old towers and footings, decommissioning old access roads and restoring wetlands. But the only place where double circuiting is proposed is Chapter 4.2.1 for route segments 40 and 46, which is just northwest of Camas. Chapter 3, page 6, I quote, "If existing lines are removed, the entire structure or tower footing would only be removed if the footing interfered with placement of the new tower," close quote.

So my conclusion is that BPA has made no serious study of how to use this existing corridor with minimal effects on its wetlands. BPA has chosen a preferred alternative and now is trying to make the facts fit.

14460-2

And since I still have time, I'm looking at Chapter 13, page 3, under assessing wetland function, quote, "Delineations are not available for transmission lines or access roads." Then it goes on to say, "Each question on the rating form is evaluated without conducting site visits." So it seems a little odd that you print a preferred alternative when you haven't even studied your own right-of-way. That concludes my remarks.

14460-3

CHERYL BRANTLEY:

And that there's no studies found, no documents found for studies for double circuiting lines. When I did a Freedom of Information request, my response was no documents found. I don't know if you guys have studied double circuiting or not for the existing corridor, but apparently the Freedom of Information part of your organization doesn't think there's any documents for that.

RAY RICHARDS:

Very little in the draft.

- 14460-1 When planning for new facilities, BPA must study possible solutions that ensure adequate reliability for the transmission system. Section 1.1.3, Planning for Transmission Additions in the I-5 Corridor, describes how BPA follows the reliability standards established by NERC. The NERC reliability standards have specific performance requirements for lines that share common towers (i.e., double-circuit lines). For double-circuit lines, the standards require that the simultaneous loss of both lines would not violate any performance requirements. Such a loss could occur if one or more towers failed.

BPA considered double-circuiting the entire 500-kV line in Section 4.7.8, Double-circuiting the I-5/Ross-Lexington Transmission Lines, in the Final EIS. BPA also considered double-circuiting short sections of the 500-kV line, to avoid wetlands or other resources. Placing portions of the proposed transmission line on double-circuit towers provides less reliability than a new single-circuit line.

For reliability reasons, double-circuiting all or portions of the existing transmission corridor has been considered but eliminated from detailed study in this EIS.

- 14460-2 Chapter 16 discusses potential impacts to wetlands. During preparation of the Draft EIS, permission to enter properties and site visits were limited. Analysis was conducted with best available information at the time. BPA believes that the analysis in the Draft EIS provided a reasonable evaluation of potential impacts to wetlands and provided sufficient information to allow the public and decision makers to understand and compare these impacts for all alternatives, and for the decisionmakers (with additional information in the Draft EIS) to identify a Preferred Alternative. BPA has continued to work with landowners along this alternative to further refine routing information and analysis for the proposed transmission line and associated facilities. An updated analysis for the Preferred Alternative is provided in Chapter 16.

- 14460-3 Please see the response to Comment 14460-1.

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 02/02/13 at 2:00 p.m. Mark Morris High School | 1602 Mark Morris Way | Longview, WA 98632

DAVID CHERRINGTON:

14463-1 I'll probably do okay, but I'll move it over anyways. So my name is David Cherrington. I own property along your preferred route. It's where I intended to build my future home. After surviving what was said to be incurable cancer to marry the love of my life on April 17th, 2010, just a few short months before you notified me in August you'd like to build your towers right through the middle of where my home was planned.

14463-2 What I'm here today to tell you is that I feel like the very most blessed person in this entire room. You see, 20 years ago I might not even be alive. You know what happened? The medical field evolved. Decided to focus on ways of avoiding harm to people. I'm here today to ask that the BPA be held to that very same standard. When I'm hearing of viable alternatives being mentioned and the main response that I'm hearing back from the BPA is that, well, you know, they may cost a little bit more, I have to wonder what value, if any, does the BPA place on the harm done to people in this room. We've already been harmed.

14463-3 Three or four years, that might not seem like a long time to you. But I woke up in rooms full of people that are sick and dying. It's a long damn time to me. And then after the long wait, then what? You continue to focus on saving a little bit of money. And we have to bicker for a fair price for the land that we already own? Come on. You can do better than that. The citizens of Cowlitz County and Clark County deserve better than that. If we have something that you want, come sweep us off our feet. You know, I don't want to feel like I'm being bullied at any point in time during this process, and I don't think anybody else in this room does, either. That's all I have to say.

14463-1 BPA has met or talked with the landowner several times. The proposed line has been moved to the east to better accommodate the landowners future plans for development.

Please see the response to Comment 14097-1.

14463-2 Comment noted.

14463-3 Comment noted.

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 02/02/13 at 2:00 p.m. Mark Morris High School | 1602 Mark Morris Way | Longview, WA 98632

ALAN HULL:

I don't want to be stepping in front of anybody, cause I just got here.

Thank you for hearing me. My name is Alan Hull. My address is . And that would be in Kelso.

Five years ago my wife and I and her disabled sister purchased the historic Melody Ranch house, which used to be the end of the road on Rose Valley. That was the jumping-off point in the logging road days for the logging industry up the valley.

14464-1

Just by way of background, I retired from Washington State Department of Transportation. Excuse me. As the communication systems director. And that's -- I implemented the land mobile rating system for the state that was used by the Department of Transportation and portions of it from the Washington State Patrol. I only reference that as background as what my expertise might be. I am certified as an engineer, RF and non-RF issues. I do not and I am not certified in satellite technology.

14464-2

So I do have four questions preceded by comments, so you know where I'm coming from. And I don't know that you could give me the answers today. But hopefully sometime before the decisions are made, you'll be able to address the questions and provide us answers out in our part of the community. So the first one would be: What do you believe would be the effects on the applications that we are preparing for historical status on the address of the Melody Ranch? Now, right offhand, I would have to say we are in, but on the edge of, the notification area. So in one sense of the word, you would think that we should not be bothered or affected by this particular route that we're talking about. However, I also conduct a business, which is permitted and licensed, as a consultant. It's in-home business. And that is consulting. And my job right now is working on the state of Oregon statewide radio project. And as a result, I have to have high-speed internet and continuous on connection. Now, out in our region, we're lucky to have telephones. We don't have cable. We don't have fiber optics. We don't have -- does that mean I'm not allowed to go forward?

14464-3

Okay. Thank you. Out in our area most people have dial-up. They can't get the internet speeds that are needed to run your interactive maps. I was able to. And a few of us do have internet by satellite, and that's the only way I can run my business is that way. So I noticed on your interactive map, the power line or the main route is coming down off the southeast portion of our property over a hill, and it has the same elevation and azimuth that places the power lines in between my satellite dish and the satellite up in the sky, geosynchronous over the equator. So the next question I would have is: Will this impact my internet service? And how many others use the same kind of system in order to communicate? I'm worried about my business. And if it does impact, is BPA prepared to relocate or reimburse for loss of business and perhaps loss of income for that? I don't say that my business is lucrative, but 60 thousand a year is helpful. So that was the second question.

14464-4

The other question I have is: The other side or the eastern side of this highway, Rose Valley Road, up on the hill off of Maranatha, that is Mountain Ministries. They are just outside of the notification area. And as such, they probably haven't been receiving the information and-or paying attention. Take it from me, with those 25 years of working for the state, I lived in a residential area and rural community, very small, just southeast of King County. And we lived 1,500 feet from a 500-kilovolt line. All 25 years, we've been

14464-5

- 14464-1 Comment noted.
- 14464-2 Currently the Preferred Alternative would not affect applications for the Melody Ranch to be considered historic either with the state or the federal register. If BPA decides to build this project using the Preferred Alternative before the house is determined eligible for listing on the National Register, the presence of a transmission line could cause an adverse effect to the integrity of the Ranch's historic nature. See also the response to Comment 14456-1.
- 14464-3 Please see the response to Comment 14456-3.
- 14464-4 BPA does everything possible to avoid displacing landowners or businesses. In the event that all options have been exhausted and a relocation has to occur, BPA has a very detailed and structured relocation process, briefly discussed in Section 11.2.2.5, Property Values. BPA follows 49 CFR Part 24: Uniform Relocation Assistance and Real Property Acquisition for Federal and Federally-Assisted Programs. The brochure, "Your Rights and Benefits as a Displaced Person," is for parties displaced from their residences, businesses or farm operations and is available at:
<http://www.fhwa.dot.gov/realestate/rights/index.html>.
- 14464-5 Please see the response to Comment 14456-5.

plagued, and I was blessed to come down here. But we were plagued with in the springtime and the fall, in the fall when dust is in the air, in the spring when pollen is up in the air and it attaches itself to the lines, we end up with these wonderful things called small arcing and buzzing sounds and everything else. And this is 1,500 feet away. It sounds like your head is in a beehive, and it's continuous. Sits there and fries. In the springtime it's when the rains stop and pollen comes up. In the fall it's when the moisture comes in the air, fog comes in and it's arcing across all the dust and causing a lot of -- just causes a tremendous amount of buzzes.

14464-5

Back to Maranatha Road. The Mountain Ministries conducts a huge number of clients. They're recovering addicts. And Cowlitz County, I believe -- I'm not sure, but they place these clients with Mountain Ministries for their recovery. And I assure you that when the conditions of buzzing and stuff occur, it just raises your tension levels like you wouldn't believe, and you wake up just all in a bundle of nerves and you go to bed with a bundle of nerves. And my question is: Would the effects on the fragile psyche of recovering addicts be affected by this kind of buzzing noise? I don't think you can get away from that noise. It goes away when the rains come and washes everything away. But it still occurs and it's a natural occurring item.

So -- and the last question of my four questions is that when this originally started, we were notified and we were given an interactive map to click on and find out where all your lines went. When I did it, I clicked on the interactive lines or map and entered my address, the address came up and it was a big map. And there was no lines showing where a corridor was. There was nothing to show but a little spot on the map that said, this is where my house was. Well, hey. No lines means no routes. We weren't even under consideration. And many of us, maybe most of us out in that particular area, are affected that way. I drilled down later on, and as long as I could navigate and drill down into that interactive map, then I could see that that was not a correct correlation between our address and the map. We had -- I don't know what you used at the time. But we had to negotiate, scroll and move the cursor and continuously get to where our actual address was, and eventually that's when that -- your corridor markings showed up. Those people out there that don't have high speed internet, the latest sort probably wouldn't be able to get to that conclusion. And it wasn't until about two months ago that we discovered that the maps had been corrected. So of all the people that you have been working with and taking testimony from, they've had two years or more to look the situation over and make comments. We out in the Rose Valley area have had two months. And I think that's just a little bit unfair. It wasn't an intentional deception. But it was deceptive. Thank you.

14464-6

14464-6 Please see the response to Comment 14456-2.

BPA

2-4-2013

14465-1 I support your Opt.1 choice of Central Alternative as long as you use line F, without change & eliminate line '11'. completely.

14465-2 I have great Roosevelt Elk herds come through my land on line '11'.

14465-3 I also do machine work, have big metal barn & metal container storage cars used for my shop & farm storage. I would be very close to EMF fields.

Big timber Co. can give up something to save the people, homes, farms & small business. Don't let BPA be influenced by politics, us little guys need help too.

Spend the money & finish with line (F,I,K), or go with the Grey Line. People should come first as this line will be forever. Please put the line in where there are NO people.

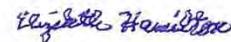
If none of the above takes place, here is my order of choice:

14465-4 A: Central Alternative
Opt. 1 or 3
B: East Alternative Line F,I,K
Opt. 3 or 2
C: Cross Over Alternative
Opt. 3 or 2
D: West Alternative
Opt. 1

"Grey Line": Absolutely #1

Thank You,

Elizabeth Hamilton
Sincerely,



- 14465-1 Comment noted. Segment 11 is not part of the Preferred Alternative.
- 14465-2 Comment noted. Roosevelt elk are discussed in Chapter 18, Wildlife.
- 14465-3 Please see the responses to Comments 14328-6 and 14465-1.
- 14465-4 Comment noted. Please see the response to Comment 14395-2.

BPA

2-4-2013

14466-1

I would like to thank BPA for their many meetings & much literature, maps and correspondence. It appears great study & research has been put into understanding enormous problems & given consideration for the upheaval of peoples lives. I'm sure politics & money have great influence & I'm also grateful for the opportunities to voice my opinions, write & be heard.

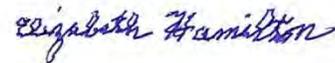
A special Thank You to Mark Korsness for his calm & friendly attitude toward the many stressful & anxious questions.

I found the whole team very willing to direct me where I needed help in understanding & copeing with this gigantic problem. Even though, I cannot agree with everything, I do appreciate the courtesy & kindness.

THANK YOU

Sincerely,

Elizabeth Hamilton



Mrs. Elizabeth L. Hamilton

- 14466-1 Comment noted. BPA carefully considered how best to inform, involve and engage people as we prepare to make a decision about this project. Feedback helps improve our communications for this project and other projects at BPA.

14467

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

BPA's Proposed I-5 Corridor Reinforcement Project Draft environmental impact statement comment form

Public review of and comment on this draft EIS will continue through March 1, 2013. Comments should be as specific as possible, with references to particular pages, sections and chapters. Additional or clarifying information that should be considered is helpful. Factual corrections are appreciated. BPA staff will review all comments received and respond to them in the final EIS.

Name (will be included with your comment in the final EIS)

Judy Baker

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

My main concern is the Wasting of money for a project that is not needed and really not wanted. The Answer is more conservation and local generation.

Spending \$430 million to transmit power instead of spending money to reduce the need is a mistake.

Take \$100 million of that money and buy LED lights for all the homes in Portland & Vancouver - Cuts need for transmission lines - Continue process

14467-1

Comment period extended until noon on March 25, 2013



1 of 2

14467-1 Please see the responses to Comments 14144-2 and 14316-2.

14467

14467-1

Until you spend the \$400 million on
Co-generation + Conservation from Castle Rock
To Portland -

14467-2

Building infra structure that will need
maintenace forever means the cost of the
project is really much higher in the
long run -

Thank you for taking the time to give us your thoughts and help shape the future of this project. You are welcome to include additional pages as needed.

Forms and comments may be submitted in these formats:

Mail
I-5 Corridor Reinforcement Project
PO Box 9250
Portland, OR 97207

Email
I-5@bpa.gov

Phone
800-230-6593 (voice mail)

Fax
888-315-4503

Online
www.bpa.gov/goto/i-5

At public meetings
Place completed form in a comment box or give to a staff member

- 14467-2 Any of the action alternatives would require future maintenance and BPA would incur costs for this maintenance. The West Alternative would require the least additional maintenance costs because it would use mostly existing right-of-way. Over 50 years, the Central and East alternatives would likely double the maintenance costs of the West Alternative because they both require new right-of-way. The Crossover Alternative uses a combination of existing and new right-of-way and would likely fall somewhere in between these costs.

14468

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

BPA's Proposed I-5 Corridor Reinforcement Project
Draft environmental impact statement comment form

Public review of and comment on this draft EIS will continue through March 1, 2013. Comments should be as specific as possible, with references to particular pages, sections and chapters. Additional or clarifying information that should be considered is helpful. Factual corrections are appreciated. BPA staff will review all comments received and respond to them in the final EIS.

Name (will be included with your comment in the final EIS) John M. Murphy

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14468-1

The proposed route includes reconstruction of an existing private road that runs south from Tower F17

I believe that maintaining very limited access to this road and the area near it (between the Cowlitz River and Interstate 5) is critical.

14468-2

If access is not limited this area will be utilized by target shooters, ATVs and Motorbikes. That would be very upsetting to all of us who live on the West side of the Cowlitz River in this area.



1 of 1

14468-1 Please see the response to Comment 14119-2. BPA is not planning to use this existing private road.

BPA is also concerned with unauthorized access along any roads that are planned to be used to access the project. BPA would use existing entrances and work with the underlying landowner to minimize unauthorized access to the right-of-way.

14468-2 Please see the response to Comment 14457-2.

14469

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

BPA's Proposed I-5 Corridor Reinforcement Project Draft environmental impact statement comment form

Public review of and comment on this draft EIS will continue through March 1, 2013. Comments should be as specific as possible, with references to particular pages, sections and chapters. Additional or clarifying information that should be considered is helpful. Factual corrections are appreciated. BPA staff will review all comments received and respond to them in the final EIS.

Name (will be included with your comment in the final EIS) Judy Baker

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

on The Ostrander Rd - Rt 3 - There are several reasons to not use this point

① Ostrander Creek - Frequently floods

② Gas Pipeline is too close

③ Wetlands close to 3/36

④ Migrating Birds Sanctuary (our land)

⑤ EMF too close to homes

14469-1

How do you mitigate for Wetlands -

1 to 1; 10-1; 100 to 1 or what

14469-2

**Comment period extended
until noon on March 25, 2013**



1 of 1

- 14469-1 Thank you for this information. Segment 3 is not part of BPA's Preferred Alternative.
- 14469-2 Section 27.11, Floodplains and Wetlands, describes how BPA continues to work with the Corps in the Seattle and Portland Districts to develop appropriate compensatory mitigation for wetland impacts. Ecology, the Department of State Lands, and potentially affected counties and cities may also be involved to identify appropriate mitigation for impacted wetlands. The appropriate level or ratio of wetland mitigation is being determined through this process.

14471

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/07/2013 4:19 p.m.**

14471-1

Hi you don't need to reach me back. We've been living with this reinforcement project for several years now. You guys keep postponing things keep postponing postponing. I think you're afraid to make a decision that it might upset somebody. Why don't you just make a decision and say this is what we're going to do and get this thing over with. This is absolutely ridiculous what you guys have been doing and everybody I talk to feels the same way about it. So let's make a decision and do something! Thank you, bye.

14471-1 Please see the response to Comment 14434-1.

14472
 PAULA OVERHOLTZER
 02/07/2013
 Comment To the US Army Corps of Engineers

and Bonneville Power Administration

regarding: NWS-2011-346

February 5, 2013

14472-1 In President Obama's 2013 Inaugural Speech, he challenged Americans to "maintain forests and waterways." He challenged us to "preserve our planet." For me, this hit home. I am relieved that protection of our fragile planet is still a high priority for some. The Army Corps of Engineers is supposed to be the agency responsible for investigating, developing, maintaining, and protecting the nation's water and related environmental resources. This is therefore their opportunity to set the example.

If the Bonneville Power Administration were focused on maintaining and protecting our earth's environments, behavior would change. Rather than invading rural landscapes, the new power-line would be built according to the plan of 70 years ago. A nearly complete right-of-way serving "98% of the total distance required" already exists down through Cowlitz and Clark Counties. Restructure that! Power lines already straddle wetlands; access roads are already in place. Rebuild the current towers as mega-towers capable of transmitting 500 kV power. (Building on the current right-of-way would mean easier surveillance and maintenance, too.) Reduce any new "human footprint" by simply re-working the current footprint!

14472-2 I understand the need for infrastructure in America. Having lived in and traveled throughout China during 2010-2011, I have experienced a place where infrastructure for transportation of people and products, industrialization, and modernization seems the very highest priority of Chinese government, with waterways and rural landscapes certainly being sacrificed in the deal. Let's do it differently in America. Let's figure out how to have both infrastructure and amazingly healthy, natural environments.

In this case of the BPA proposal to build new transmission lines, towers, and access roads down through rural Clark County, a more appropriate route is available. South of the Lewis River, most of the "West Alternative" is within the Portland Basin, which is relatively flat terrain, already filled with ice-age sediment. Most soils there would have low or moderate soil erosion potential, in contrast to Central and eastern alternatives which involve steep slopes "susceptible to landslides," with "very severe" soil erosion "hazards." * (These are facts that should be of significance to the Army Corps of Engineers!)

14472-3 Sediments delivered to streams would have the least impact in the West Alternative because in the existing right-of-way "clearing (has) already occurred." Long-term changes in watershed conditions would be minor. Riparian vegetation would be cleared at the least number of forested crossings of fish-bearing streams, causing the least new impact; stream crossings have already been altered! 86% of the floodplain area of the West Alternative has already been cleared! In contrast, the most potential for

- 14472-1 Comment noted. Section 1.5 Agency Roles, and Section 27.10, Clean Water Act, describe the Corps' role in reviewing and making permit decisions on proposals, such as this project, that may require discharge of dredged or fill material into waters of the U.S.
- 14472-2 Comment noted.
- 14472-3 Please see the response to Comment 14443-1 regarding the elimination of the Pearl Routes from detailed study in the EIS.

Section 4.7.2.6, Trojan Nuclear Plant Facilities, explains the reasons why use of transmission infrastructure that formerly served the Trojan Plant was considered but eliminated from detailed study.

Concerning how BPA identified its Preferred Alternative, the factors considered were explained in a November 2012 fact sheet entitled "Why BPA prefers Central Alternative using Option 1" which can be found on the project web site at <http://www.bpa.gov/Projects/Projects/I-5/Documents/BPA-I-5-Issue-Brief-Preferred-Alternative-Nov2012.pdf>.

- sediment into streams occurs in the Central Alternative because “new right-of-way must be cleared.” Riparian vegetation would be cleared at the greatest number of fish-bearing stream crossings, causing the greatest impact on stream temperatures, fish, and large woody debris (habitat) potential.* (These are facts that should be of significance to the Army Corps of Engineers!)
- 14472-3 Two other points to ponder: Why were the originally proposed routes down through Oregon (the “Pearl Lines”) dropped so quickly? Those routes seemingly could have incorporated infrastructure that had been built to accommodate the old Trojan Nuclear Power Plant.....makes more sense! Why is the existing right-of-way route (“West alternative”) not perceived as the compromise between the “need” for more power transmission capacity and the need to protect our rural landscapes? I've been told that the Pearl Lines were dropped because of the availability of the “West Alternative”.....so, use it!!
- 14472-4 The State of Washington's guidelines for forest and agriculture practices would be disregarded by one federal agency, BPA , while another federal agency, the US Army Corps of Engineers, condones this! (No surprise, I guess.) Wetlands would be filled and cleared, streams and rivers would be crossed. Fish would trade the cooling shade of trees and foliage along stream-banks for herbicide-laden run-off. Wildlife habitats would become fragmented. The potential for disturbing historic Native American cultural sites is obviously higher in the areas where modern human activity has not already obliterated any archaeological resources. The visual impact of swaths of forested land cut to accommodate power lines is horrific! How can this be tolerated?
- 14472-5 The comment made by J. Courtney Olive on May 12, 2010, still holds true: “BPA notes, with some trepidation, that the process of building new transmission across the Northwest to serve California will not be easy...” No, people concerned about Clark County's forested environments, cherished waterways, wildlife, and landscapes have determined not to make things easy for you, BPA!
- 14472-6 Ideally, human consumers will figure out how to reduce their personal impacts on the environment. I am hopeful that our species can do just that. One way that the Army Corps of Engineers could set the example is to make the “footprint” on the environment as non-invasive as possible. If BPA's transmission lines are inevitable, then the Corps should only permit BPA to use their own “West Alternative.”
- Paula (Larwick) Overholtzer
[address]
phone: [phone number]
e-mail: [e-mail]
- 14472-7 *Note: Specific info described herein was gleaned from the summary of the draft environmental impact statement prepared for the I-5 Corridor Reinforcement Project, published in November 2012.

- 14472-4 The environmental impacts of each of the action alternatives are acknowledged and discussed in Chapters 5 through 22 of the EIS. Mitigation measures that would be done as part of the project are in Table 3-2, Mitigation Measures Included as Part of the Project. Additional recommended mitigation measures are included in Chapters 5 through 22.
- 14472-5 The I-5 Project would benefit utilities throughout the southwest Washington and northwest Oregon area by providing a parallel network to the existing 500-kV transmission system. The primary purpose of this project is to keep pace with the increasing energy needs in the local project area. This project is not intended to impact power exports to California or the cost of energy in California.
- 14472-6 Section 1.5 Agency Roles, and Section 27.10, Clean Water Act, describe the Corps' role in reviewing and making permit decisions on proposals, such as this project, that may require discharge of dredged or fill material into waters of the U.S. Under the Section 404(b)(1) Guidelines developed by the Environmental Protection Agency, the Corps may only permit discharges of dredged or fill material into waters of the U.S. by a least environmentally damaging practicable alternative. Chapter 16, Wetlands, describes the West Alternative as having almost twice as much potential wetland fill as the other action alternatives and so would not likely meet the Section 404(b)(1) guidelines.
- 14472-7 Comment noted.

14473

MATTHEW J JEHNE

02/08/2013

14473-1 | This project isnt going to happen, enough is a enough... I was unable attend the first meeting because of work schedule....

14474

Hi Sunshine,

In speaking with Stacy Mason on the Big Eddy Knight project, the I-5 Corridor project came up and I relayed that I had discovered a potential factual error or typo in the draft EIS. She suggested that I forward it onto you.

14474-1 | In Appendix E, on page 35, first sentence of the second paragraph: it states that Viewpoint 52-1 simulates the view of the segment from the Lewis and Clark Camp National Historic Site, located along Highway 14. While this is the site of the Expedition's camp of March 31-April 6, 1806, it is not, to our knowledge named "Lewis and Clark Camp National Historic Site." There is a park co-located here named "Parker's Landing Historical Park," and I found information on-line that the Parkersville National Historic Site Advisory Committee helped develop this historic area.

Hope this helps. Please let me know if you have any questions.

Thank you,

--

Denise L. Nelson
Environmental Protection Specialist
Lewis and Clark National Historic Trail
National Park Service

14475

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/08/2013 2:56 p.m.**

14475-1 | My name is Carol Harrison. My phone number is . I have been unable to attend your last two meetings and I would like to know just where you decided and if my property is going to be in line with your project. So could you send me a map or something of that type? And my address is , but my property is in Kelso. Thank you very much.

14473-1 Comment noted.

14474-1 This correction has been made in Chapter 7, Visual Resources.

14475-1 BPA sent the commenter a map of her property.

14476

DIANE L COOK

02/08/2013

14476-1 I own property at the above address. I can not beleive you are endangering lives with your above ground wires. You should consider following the I5 interstate underground. You are worried about your costs. But, at what cost to the public and their health. I can not beleive in this day and time with all we know that you would risk public health to save you money. Underground and along the interstate is the safest and far public health risk. Thank you Diane cook

14477

RANDALL D PEARL

02/09/2013

14477-1 Relieved to see that the preferred choice is not the existing right-of-way.

14476-1 Undergrounding high voltage transmission lines is described in Section 4.7.7, Undergrounding the Transmission Line. Underground distribution cables of lower voltage are fairly common, but underground transmission cables of higher voltage such as that needed for the proposed project, are not. In addition, underground high-voltage transmission cables typically are used only for relatively short distances in areas where it is physically impossible to install towers for overhead transmission lines. BPA is not aware of any instances where a utility has placed a transmission line of the proposed project's length and voltage (i.e., 80 miles of 500-kV line) underground.

See also the response to Comment 14283-1.

14477-1 Comment noted.

14478

YVONNE J COX

02/10/2013

14478-1 We are constantly faced with "not in my back yard" and this project is another example. The current right of way is in "our back" yard so I feel we have done our part for the good of all. Impacting so few going forward vs. so many only makes sense to me.

14479

KRISTA GRINSTEAD

02/11/2013

14479-1 I have not gotten a CD or packet on the I-5 Project. The new lines from what I understand will be directly across the street from my home (replacing the existing Power Lines with larger ones) I do not understand how this will affect my home I would like more information.

14480

14480-1 This is my take on this purposed new i5 corridor reinforcement project as a over taxed taxpayer and a home owner. I would think our government could and should make better use of our tax dollars. The cheapest route is to use your existing right of way for this new project you say we need. The people who own property along the existing power lines bought that property and built there knowing that the BPA own the easement and they would probably build on them in the future. So it only makes common sense to save the taxpayers money and not destroy more of the environment by cutting a new 600 foot swath through the pristine northwest. I live in Amboy, Wa. On . Your purposed new line would put a least 6 towers right at the bottom of my property, which is wet lands with at least 2 year around springs and a creek. In these wet lands are several beaver ponds which my kids and my grand kids have enjoyed watching the beavers. There is much more wildlife that would be endangered (like salamanders, downy woodpeckers, hairy woodpeckers, pileated woodpeckers which I thing is endangered and I do have pictures also northern flickers, grouse, and owls) this is to name just a few of what you would be destroying by not staying along your existing right away and that's just the wildlife in my area, there much more along your purposed route. we all talk about homeowners being good stewards of the environment and the government tells what we can and cannot do to the environment on our own property. How about the government BPA now being the same good stewards with the land that is not there own and build the new power line on there own property and save all the wildlife and environment that well be destroyed. I did not buy this property out in the country to have this pristine land destroyed buy our government with at least 6 towers right at the bottom of my property, and the noise from those power lines interrupting the sound of nature. Don't give me these lies about progress is needed even at the expense of destroying families and there homes and there property and there very lives. I am tired of paying my taxes to the government and having them destroy what I have worked all my life for. If you continue with this purposed route it should at least turn south at tower 21 800 to 1000 feet before turning east again. Then parallel fern dr. To tower 30. This is all DNR land and would not affect homeowners in this area only.

14480-2

14480-3

14480-4

14480-5

14480-6

14480-7

14480-8

Mr. Kim&Kathy Boehm Phone .

- 14478-1 Comment noted.
- 14479-1 BPA contacted the commenter and mailed project materials to her.
- 14480-1 Comment noted.
- 14480-2 Please see the response to Comment 14097-1. The proposed right-of-way has been moved south in this area to avoid sensitive resources, including wetlands.
- 14480-3 All action alternatives would impact wildlife to varying degrees. Section 18.2.2, Impacts Common to Action Alternatives in Chapter 18, Wildlife, discusses project impacts on both common and federally listed species by the action alternatives. Sections 18.2.4 through 18.2.7 discuss the relative impacts on wildlife for each alternative. Through both project design and mitigation measures, BPA has worked to try to minimize impacts on wildlife. Chapter 3, Project Components, and Section 18.2.8, Recommended Mitigation Measures provide discussions of these. In addition, BPA is in consultation with USFWS regarding impacts on federally listed species, and will implement any mitigation required through the USFWS Biological Opinion to lessen impacts on federally listed species.
- 14480-4 Comment noted.
- 14480-5 Please see the response to Comment 14328-5.
- 14480-6 Chapter 1 describes the need for the project. BPA is a not-for-profit federal agency that has an obligation to ensure that it has sufficient capability to serve its customers through a safe and reliable transmission system that complies with national reliability standards. BPA has proposed to build a 500-kV transmission line that would increase the electrical capacity and transfer capability of BPA's transmission system in this area. This project is needed to respond to the increasing system congestion and system reliability concerns. The congestion on the transmission system is caused by increased demand in southwest Washington and northwest Oregon and transfers through the I-5 corridor. The increased demand is due to increases in population and corresponding electrical usage in the area. Increased transfers are due to the location of available resources relative to the areas of greatest demand.
- See also the response to Comment 14316-2.
- 14480-7 Please see the response to Comment 14480-2.
- 14480-8 Comment noted.

14481

14481-1 You localization TOPO maps are inadequate for study or detection of your localized planning. Ther scale is so far underdisplayed that we can not tell if you are within a 100 feet of our property or a mile. Surely you have studied it closer thasn thast.

1 of 1

BPA I-5 Corridor Reinforcement Project Voicemail

Received: 02/11/2013 1:26 p.m.

14482-1 Yes, this is Carl Ruestig at . And yeah, right, that line is not going to go on my land, but I do have spring surface water. And so I just don't want to affect that my water- and it's on the south side on a downhill slope. And so, I'm against the project and I wish they'd put it on the north side of the power

14482-2 line-it'd sure help me. But nonetheless, I think that surface water in a spring, within each spring or

14482-3 anything, would affect me. Anyway, Carl Ruestig and it's . And so I'm not in favor of this power line going through here. Thank you.

14483

BPA I-5 Corridor Reinforcement Project Voicemail

Received: 02/11/2013 1:26 p.m.

14483-1 Hi, this is Justin Tikka. I have property up there on . There's an existing power line behind my property that comes from Merwin Dam. I need to know on your guy's proposed line, if your guy's proposed line will be on the south or the north side of the existing or if the existing power line for Merwin Dam will be replaced with the new line in the existing spot. So, if you guys are putting it in on the south side, that puts it real close to our family, our

14483-2 residence. So, I don't know if you have any information stating that high powered voltage will not harm

14483-3 our children. Please call me at . Thank you.

14481-1 BPA sent the commenter information about how to access the interactive map and determine how far away the project would be from his property.

14482-1 Please see the responses to Comments 14160-1 and 14438-5.

14482-2 Please see the response to Comment 14097-1.

14482-3 Please see the response to Comment 14482-1.

14483-1 BPA does not plan to replace the existing PacifiCorp line. The new transmission line is proposed to be located south of the existing line.

14483-2 Please see the response to Comment 14328-6.

The EMF information specific to your area is provided in Table 7 and Figure 2 of Appendix F.

14483-3 BPA contacted the commenter, answered some of his questions and referred him to the Draft EIS.

14484

LESLIE D BROWN

14484-1 02/11/2013

I am all for the new route F it would be farther away from our property and we would not have to go under the lines 2 or 3 times a day or even see them. I think it is better to effect fewer homes and go through the forest.

Thank You

Lesli Brown

14486

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/12/2013 9:05 a.m.**

14486-1

Good morning, this is Mike Ritter with the Washington Department of Fish and Wildlife. I'm at . I have some questions about water related impacts and potential impacts to wetlands chapters 15 and 16. If you could please call me back I would appreciate that. Thank you.

14487

GRAHAM D GLASS

02/11/2013

14487-1

I would like to congratulate the BPA on making the wise decision to avoid the West route for it's I5 Corridor reinforcement project's preferred choice. The prospect of adversely impacting so many young lives living along the West route with leukemia causing EMF was just not a choice that BPA could publicly live with. Very commendable. Also the judicious avoidance of having two lines in parallel reduces the risk of natural and intentional catastrophic disruption of power. Please continue with any adjustments needed to lessen the Central landowners impacts, but feel good about having chosen people over land ownership

14484-1 Comment noted.

14486-1 BPA staff spoke with the commenter and answered his questions.

14487-1 Comment noted.

14488

To Whom It May Concern,

14488-1 With the implementation with the changes on the I-5 bridge, I'm given to understand all passengers going over bridge will have to pay a toll fee. Because of the additional charge, it will separate even further citizen's of both States from enjoying Oregon and Washington. It's a step in the wrong direction.

With Admiration and Respect,

Dr. Richard Edlich

14489

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 02/04/13 at 6:00 p.m. Castle Rock Elementary School | 700 Huntington Avenue | Castle Rock, WA 98611

JUANITA MEANS:

14489-1 I'm Juanita Means. I live off Quick Road. My name is Juanita Means. I live off Quick Road. And my biggest concern is tower F 13. First of all, I'm a breast cancer survivor and the increased risk of cancer is objective to me. Second, I have a bad heart. I have a defibrillator and several other cardiomyopathy problems. Some studies I've read say that living within that area would increase my mortality.

14489-2 I'm objecting to my decreased property value. Looking out my front window, I'd be staring straight at it. I have asthma. And the construction would cause more concern for that. And the use of a private driveway as access would also be a health threat to me. So I think the access for that tower would be better if they put it off of Gassman Road with that vacant lot. And that's my comments for tonight.

14489-3

14489-4

14488-1 Comment noted.

14489-1 Please see the response to Comment 14328-6.

The EMF information specific to your area is provided in Table 7 and Figure 2 of Appendix F.

Breast cancer is specifically addressed in Section 2 of Appendix G and G1; defibrillators in Section 3. Safety is BPA's top priority. We suggest you contract your physician or the manufacturer of the device if you have further concerns.

14489-2 Please see the response to Comment 14140-2.

14489-3 BPA now plans to access this and other towers from Gassman Road as the commenter suggested. Impacts from construction would be temporary and Table 3-2, Mitigation Measures Included as Part of the Project, identifies measures to reduce impacts during construction. Other recommended measures are included in Chapters 5 through 22.

14489-4 Please see the response to Comment 14489-3.

BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held 02/04/13 at 6:00 p.m. Castle Rock Elementary School | 700 Huntington Avenue | Castle Rock, WA 98611

JOHN KEATLEY:

- 14490-1 Good evening. I'm John Keatley. I live at [redacted] I am a farmer and I'm impacted by the F portion of the line through my farm. And that involves about eight-tenths of a mile of right-of-way through both crop land and timber land, and currently three proposed towers in the preferred alternative.
- This evening I'm not going to talk about the impacts to my farm. I'm going to spend the time in a broader public policy arena.
- 14490-2 If you looked at the map, this is a draft version of Cowlitz County's comprehensive plan. And the red color here is the highly populated area of Castle Rock. And specifically the red on each side of the river is the future urban reserve. And this power line goes across that future urban reserve. And this is a map showing the approximate location of that power line through the West Side Highway-Gaston Road area. And my farm borders the future urban reserve. So if you look at this map, which is again not final -- there's an advisory committee working on updating Cowlitz County's comprehensive plan and they're short of going to public hearings, but they will shortly. But as you can see, a power line right-of-way coming through this is coming through a pretty dense part of northern Cowlitz County both in terms of small parcels and lots of people. And some of those impacts are not only the urban reserve area that I
- 14490-3 talked about, highest and best use land, it will lower the assessed value of the City of Castle Rock, the school district, Cowlitz County and other taxing districts. And by lowering the assessed value, the rates for those will goup both in terms of levies and bonds.
- The Casey Road preferred substation, now that that work is done in the EIS to pick that substation over the other two, there are better routes across the Cowlitz valley. This is a map that we have introduced to the Bonneville Power Administration on September third, 2010, which shows one of those better routes across the Cowlitz valley east from the Casey Road substation in one tangent. This is drawn on a one-mile-wide corridor which has a lot of attributes. These are large parcels. There are fewer parcels. There's less private land and for sure there are less people in that this is probably approximately 80 percent DNR land managed for forest.
- 14490-4 So this concept of a mile-wide corridor has less impact to private forest land, and generally private forest land has more economic valley than public forest land for three reasons. The markets are better, being involved in export markets. Administration costs I'll suggest are lower, and in a lot of cases the land is managed more intensively.
- There's less forgone opportunity with the more northern route and the more eastern route than there is to highest and best use lands.
- I request three things: That the BPA stop progress on this preferred alternative, take the time to look at better routes across the north end of Cowlitz County and around our populated area of Castle Rock. Evaluate these better routes. And I know it will take a year or so longer. And then from this Casey Road substation, it's clear that there are better routes in a public policy standpoint, and I would ask that BPA -- request that BPA choose a better route. Thanks for allowing me to go forward.

14490-1 Comment noted.

14490-2 As noted, Cowlitz County is currently updating its Comprehensive Plan. At the time of this publication, no updates to the plan have been formally adopted. Therefore, the EIS references the currently approved plan, originally adopted in November 1976 and updated in May 1981. Please also see the responses to Comments 14097-1 regarding line routing and 14565-19 regarding advantages of crossing the Cowlitz River at the selected site.

14490-3 Please see the response to Comment 14291-3.

14490-4 Please see the response to Comment 14395-2.

14491

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/04/13 at 6:00 p.m. Castle Rock Elementary School | 700 Huntington Avenue | Castle Rock, WA
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GENE FRYMIRE:

14491-1

My name is Gene Frymire, And this proposed line will not go through my place, but I'm glad that John spoke first, because he's said everything that I wanted to say. I didn't reside a hundred percent off of 304 all my life. I spent 42 years here in Castle Rock. And as a former mayor of Castle Rock, my concerns are exactly what John stated. And so I don't think there's anything following -- we've already just stood up a little bit. So you have my sentiments. I'm a hundred percent with what John was saying.

14491-1 Comment noted.

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- 14492-1 | BRIAN AGREN: Hello. My name's Brian Agren. I'll try to be as short as possible. I live at
in Castle Rock with my wife Regina and eight-year-old son Isaac. We have owned our property since 2000.
- 14492-2 | Regina is a dressage instructor and trainer. Regina trains out of the facility we have built on our property at a cost of around \$500,000 and countless hours of labor from family and friends. The current central option 1 would place tower 15 within 75 feet of our stallion turnout, and the proposed center line would be roughly 450 feet from our main arena barn and Regina's place of business. With the caliber of high performance horses we train and we own, central option 1 if built would effectively put us out of business.
- I will talk more on the effect of our business that central option 1 would have in our written comments. What I would like to talk to -- what I would like to have answered on record is based on the comparison tables in chapter 4, 4.9, 4.10 and 4.11 of the DEIS, why was the central alternative option 1 chosen over the west alternative?
- In the DEIS, page S 2, S.1, .2, under "need for action", paragraph 4 states in part, "The ultimate action taken will depend on which alternative best meets the project's primary purpose, maintaining system reliability and performance, helping BPA meet its statutory and contractual obligations using ratepayer funds responsibly and efficiently and minimizing the impacts of the natural and human and environment." Page 423, table 410 states that the west alternative has 401 acres of easements for new right-of-way and new roads, the least of all the alternatives, because the alternative occupies 98 percent of existing right-of-way. It would have the least high impact on land owners among all the alternatives. Conversely, that same table, the central alternative option would have up to 2113 acres of easement to be acquired for rights-of-way for new or improved roads, the same impact as the west alternative, but a greater amount of right-of-way, 90 percent, which means potentially more high impacts for land owners.
- 14492-3 | On page 431, table 4.9, under "use ratepayers' funds responsibly and efficiently", "The west alternative would cost about \$385 million. It would be the least expensive because of the existing right-of-way that's available for most of the length of the line. Some extended -- some extending lines would be easily replaced and removed and would add cost." In the same table 4.9, the cost of the alternative is \$459 million. That's only \$30 million less than the most expensive alternative.
- On page 439, table 4.10 of the DEIS under geology and soils, the western alternative states "The northern portion of the western alternative north of the Lewis River is within potential landslide susceptible terrain and crosses mapped landslides. The alternative would distribute about 211 acres of soil with severe soil erosion potential, the least of the action alternatives." Conversely, the same table 4.10 under the central alternative and option states, "Most of the central alternative is within potential landslide susceptible terrain, would cross several mapped landslides. The alternative would disturb about 596 acres of soil observing severe erosion hazards, the second highest among all the action alternatives."
- Can I keep going? I got a couple more here. Just two more.
- Going back to where I start, again, the project's primary purpose, maintaining system reliability and performance, you've chosen the option with potential landslide susceptible terrain crossing several mapped landslides, and has the second highest soil erosion among all the alternatives. The west

14492-1 Comment noted.

14492-2 Please see the responses to Comments 14097-1 and 14328-5.

14492-3 Please see the response to Comment 14166-1.

alternative has the least soil erosion among all the alternatives and an existing right-of-way that has proven its reliability and performance.

Using ratepayers' tax funds responsibly and efficiently, you've chosen the second most expensive option, \$75 million more than the west alternative. Minimizing the impacts of nature and human environment, again, you've chosen the option with the greater amount of new right-of-way, 90 percent, which means potentially more high impacts on land owners.

The fourth and final point in the project's primary purpose, to maintain the BPA's statutory and contractual obligations. You chose the option that travels most of its length through the potentially slide prone terrain, therefore jeopardizing reliability and ultimately your statutory and contractual obligations.

14492-3

In summary, the BPA set forth the four primary purposes for the I-5 corridor reinforcement project. By choosing the central option 1 as a preferred alternative instead of the west alternative, I believe the BPA has failed on all four points. I do realize there are more homes affected within 500 feet of the west alternative. In fact, there are 3,032.

Page 517, table 5.1. The existing line that the west alternative would use is 70 years old. I would say most, if all -- if not all of the people who live in those homes made the choice to live there knowing there was a high voltage power line within 500 feet. If you choose to build the line on the central option 1, I will not have that choice.

In conclusion, I urge you to reconsider the facts in the DEIS, then choose a preferred alternative that would more closely achieve your project's primary purpose.

Thank you for the extra time.

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**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/04/13 at 6:00 p.m. Castle Rock Elementary School | 700 Huntington Avenue | Castle Rock, WA
98611**

SALLY HYDE:

- 14493-1 Okay. My name is Sally Hyde. We own property on West Side Highway along the Cowlitz River. It would be in the direct line of where line segment F crosses the Cowlitz.
- 14493-2 I have several points to make about aspects of the DEIS that didn't address parts of our property. One is the popular recreation area. It states in 6.253 that there would be no impacts to recreation, when actually that whole group of river bar below our property, and you said your study area was 2000 feet wide, so we've taken that whole -- should have studied it. It is a really popular fishing site, boating launch, picnic area, stop over area for people floating down the river. It's known as the preacher's hole, since my dad, Murray Hyde, was a preacher. And it's been very popular for at least 30 years. When the Army Corps dredged along the river, they actually had to put back a boat launch. It's grandfathered in because it's been there so long.
- I think we would be adversely affected by the power lines. You're going to have to do a lot of education. I really don't know how it's going to destabilize that bar, which is really stable now or really bad, cause that river bank tends to go wherever it goes. It stays there. So we use that area for recreation.
- 14493-3 The second aspect is the historical and cultural. My family bought that property from Henry Showholter (phonetic), a tribal elder of the Cowlitz Tribe, in 1911. It's been in my family for four generations. We've sold parts of it that were across West Side Highway, but we've never sold the riverfront property. My family, nobody has money in my family. We could do lots of things if we sold that property for development. We never have. We love it. It's our heirloom and we pass it on to our children. We don't want to see it impacted by something like this. The lower portion which would go to my sister's land, it would basically make it unusable for residential, which is what that is. We're residential.
- 14493-4
- 14493-5 The other aspect is the wetlands. There's actually a side tunnel that runs along the inside of that gravel bar and it's a river overflow channel, and lately it's becoming the most gorgeous wetlands down there. It has high (inaudible) in the winter. The beavers have built a dam at the lower end, so they've raised that pond almost two feet now. So even in the summer it has habitat for a lot of species. And I'll list some of them in my other part about wildlife. But if you clear 150 feet at least of river bank of those trees and of the vegetation, it's just now getting to where the water stays cool, and those species do a lot better with cool water unless invasives can come in, which brings me to the special status species.
- 14493-6 On the report it did not list -- in that chapter it did not list in the chart -- 18.2 I think is the chart. It didn't list several species in this area. One is blue heron. It's a feeding area. I haven't noticed any nests. There's woodruff (inaudible) ducks, and I've seen ocean (inaudible) ducks, which I don't believe, but I have a journal that I wrote it in. And I'm a birder. Feeding on the pond. So they use that. And then there's also western toad, which is very rare in that area, but lives up in the upper end of that. And nesting? Frogs. I've found evidence of breeding. They have adults and juveniles. And they are of a great concern. I can't imagine there being hardly any breeding areas on the lower Cowlitz. The stripping of the bank vegetation would make that habitable again for bullfrogs, which we've controlled over the last 20 years I've been there. So those species really need to be taken into account. They weren't listed.

- 14493-1 Comment noted.
- 14493-2 The area referenced would continue to be available for recreation uses and would not be impacted by construction of tower footings on either side of the river or undergo major vegetation removal in the area of the gravel bar. Any vegetation removed in the area would be tall-growing vegetation. Any low-lying vegetation would be retained for bar stabilization. Tower footings would be constructed well away from the river's edge on ground that would not be subject to erosion or destabilization.

Section 6.2.2, Impacts Common to All Alternatives, includes a discussion of fishing impacts. Fishing activities are considered to be compatible with the right-of-way. During the construction phase of the project there would be temporary, low-to-moderate impacts on fishing activities in areas where line crossings require temporary closures for removal of vegetation, overhead wire stringing and other project-related activities. During the operation and maintenance phase of the project, though there would be infrequent (twice yearly) maintenance inspections of the line, these would not cause permanent impacts to recreation activities, including fishing and boating. See also Chapter 7, Visual Resources, for a discussion of the potential visual effects.

- 14493-3 BPA takes into account any effects its proposed action could have on historical and cultural resources. We appreciate the information you have shared about your property. If BPA determines that the proposed project would affect a historic or cultural site that is eligible or listed in the National Register of Historic Places, BPA would work to avoid, minimize or mitigate any impacts.
- 14493-4 Please see the responses to Comments 14097-1 and 14328-5.
- 14493-5 Please see the response to Comment 14493-2. Tall-growing vegetation within the proposed right-of-way would need to be removed for safe operation of the transmission line. If clearing occurs within a wetland, compensatory mitigation would be identified. Table 3.2, Mitigation Measures Included as Part of the Project, contains mitigation measures included in the project design such as avoidance and minimization of impacts to riparian areas and wetlands. Sections 15.2.8 and 16.2.8, Recommended Mitigation Measures, contains additional mitigation measures to lesson impacts to streams and wetlands.
- 14493-6 Table 18-2, Special-Status Wildlife Species with the Potential to Occur in the Study Area, lists those special-status species with the potential to occur along the action alternatives, and identifies those that are documented to occur within the study area based on information in the databases listed in the ""Sources"" footnote of the table. Great blue Heron is found in that table.

Appendix N contains NEPA disclosure forms. The reference to Appendix N was included when the species discussions were planned to be included in an appendix, but these are now in the wildlife chapter. The incorrect reference to Appendix N has been removed.

- 14493-6 And one more thing that I couldn't find. It says that there's appendix N that has a list of 21 other special status species in some areas, and what N is is a list of all the NEPA forms people filed. So I don't know where that special status is listed, but I'd like to see it. And also something that I didn't see addressed anywhere was the fact that these are high bank dredge spoils. They fall off at the drop of a hat in high water. That section where that's going to be going through on the opposite side of the river, the east side, is the only remnant of old trees that the Army Corps left when they dredged. And that's a favorite of the eagles and raptors around there. But that's very stable in that section. The upper part from that, you can
- 14493-7 lose 20, 30 feet of bank a year. That's inward, not like a length. And if you take out 150 feet of vegetation, even on our bank, which is stable, of the gravel bar, I think the water will come right in there cause it's not slowed down, and it will just eat a huge hunk out of it. Now, I don't see that addressed. It hasn't been. I looked under soils. I looked under riparian. I looked under habitat. Nobody thought about these banks, and they are fragile. So that's all. Thank you.

- 14493-7 Planned mitigation measures (listed in Table 3-2, Mitigation Measures Included as Part of the Project) state that tree removal would be limited at stream crossings to the extent possible. In cases where it is necessary to remove riparian vegetation at stream crossings to provide safe clearance for the power lines, pre- and post-removal bank stability would be evaluated on a site-by-site basis. If warranted, engineered bank stabilization measures may be installed at sites where bank erosion resistance has been compromised by vegetation removal.

Chapter 14, Geology and Soils, contains mitigation measures to reduce erosion on steep slopes and erodible soils, such as the dredge spoils on the banks of the Cowlitz River. BPA is committed to limiting site disturbance, and would preserve existing vegetative cover to the maximum extent feasible. Temporary erosion control measures would be maintained until vegetation is reestablished, or, if necessary, permanent erosion control measures are in place. Chapter 17, Vegetation, describes post-construction re-vegetation plans in which the right-of-way would be reseeded with appropriate seed mixes and would be expected to reestablish within a few growing seasons.

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/04/13 at 6:00 p.m. Castle Rock Elementary School | 700 Huntington Avenue | Castle Rock, WA
98611**

T. J. KIERAN:

14494-1 I am T. J. Kieran, and I'm the city planner for the City of Castle Rock. The City of Castle Rock opposes the BPA transmission line preferred alternative for the following reasons. The proposed transmission line would be located in the City of Castle Rock's water systems area. The State of Washington requires that each city is to determine its service area based on projected population growth. Cowlitz County and the City of Castle Rock have agreed to providing urban services along the West Side Highway south of Gaston Road. The city is required to model the likely demands of the city -- of the system and adopt policies and regulations to finance and sustain the system. The City of Castle Rock anticipates the properties in the service area will be developed at urban densities and is counting on those new utility connection fees and customers to contribute toward the maintenance of the system. Additionally, without the ability to recoup the investment at full potential, the developer may find that extending the water and waste water lines is too cost prohibitive, and a BPA transmission line may serve to unintentionally cease the expansion of the lines.

Please do not locate BPA transmission lines within the city's service area.

Along the east side of I-5, the preferred route is slated to be located in close proximity to the Williams Gas pipeline. The pipeline has exploded twice within Cowlitz County, and so it raises the question whether these uses are compatible and should be located so closely. I'd like to know what the finding is regarding the proximity to the Williams pipeline in Cowlitz County.

The residents and workers within Cowlitz County rely on forestry, logging and tree harvest for private sector employment and educational tax funds. The proposed BPA line will adversely affect future forestry practices.

14494-2 The BPA should locate its new transmission line and existing easements across the Columbia River into Columbia County, Oregon. Residents of Oregon are the primary beneficiaries of the power provided by the new transmission line, so let residents of Oregon bear the impacts associated with locating a new line
14494-3 in the region. As proposed, the alternative will likely violate the NEPA laws because it says that those who are the benefactors of the use should also be -- bear the impacts for that use.

That's all. Thank you.

- 14494-1 Please see the response to Comment 14097-1. BPA's Preferred Alternative is routed outside of the current city limits of Castle Rock but within the city's water systems service and urban growth area. Although homes cannot be built in BPA's right-of-way, water, sewer, natural gas and other utilities can be permitted to cross the right-of-way. The property between towers F/14 and F/15, which BPA understands is the future development area identified by the City of Castle Rock, has not been platted and remains for sale. BPA would negotiate directly with the property owner at the time of easement acquisition.

BPA has contacted Williams Pipeline Company several times and met with them on this project. Information about the project has been forwarded to them. BPA standard design practices would require that all BPA facilities sited within pipeline company rights-of-way would be compatible with their existing utility infrastructure.

Section 24.4, Economic Productivity, describes the project's potential long-term impacts on economic productivity in the region. It recognizes the possibility that some areas could be excluded from future urban development.

- 14494-2 Section 4.7, Alternatives Considered but Eliminated from Detailed Study, describes other routes considered. See also the response to Comment 14443-1 regarding the elimination of the Pearl Routes from detailed study in the EIS.

Demand is growing in the Portland, Vancouver and Longview areas together. The entire area draws on the I-5 transmission lines in much the same way. While population and therefore the quantity of power needed in northwest Oregon is higher than in southwest Washington, improved transmission is just as important to provide reliable power in the Vancouver area as it is the Portland area. This is because the power grid operates as an integrated system. Since there is very limited local generation, the area receives most of its power through the I-5 corridor transmission system and is especially reliant on the 500-kV system at times of peak summer demand.

The I-5 Project would benefit utilities throughout the southwest Washington and northwest Oregon area by providing a parallel network to the existing 500-kV transmission system. The primary purpose of this project is to keep pace with the increasing energy needs in the project area.

- 14494-3 In analyzing a proposed project, NEPA does not require that any particular party - such as potential beneficiaries of the project - bear the impacts of that project. See also the response to Comment 14494-2.

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ALLISON MOSS:

Thank you. My name is Allison Moss. I represent Brian and Regina Agren. Regina is here today. Brian just spoke.

As you know, their property is adjacent to the proposed right-of-way for segment F at towers F 15 and 16.

I have reviewed the entire EIS and most of the appendices, and I can't point to any specific page in them, because our concerns simply aren't addressed by the EIS at all. Our concerns are the impacts of the transmission line and power on high performance horses. The EIS does mention horses as a form of recreation, but that's pretty much the sum total of it.

And, Mark, thank you for pointing me to the section of the appendices that deal with wildlife and livestock. But there's nothing in there that addresses our concerns. I wouldn't necessarily expect them to because it's -- you'll hear from my comments in a minute. They're pretty unusual.

This headline right here tells it all. It says, "The Olympics were everything we feared." The United States is not doing well in equestrian sports in general and at the Olympic levels, and that's because we are out horsed and undertrained. There are three organizations working on this to try to turn that around. The first is the U.S. Equestrian Team, the second is the U.S. Equestrian Federation, and the third is the U.S. Dressage Federation. They are all working together to create forums where breeders who breed high quality horses can come together with the trainers who can train these fantastic high powered horses where they can cross paths and breed better horses and train better trainers and also bring our young riders along. Regina is one of those people, and the kind of training she does cannot occur next to high power transmission lines primarily because of the coronas and the nuisance shocks. She was one of the people invited back to one of these forums that has been created to try to promote the United States in world class equestrian events this past summer in Lamplight, Illinois. A total of 15 people at each -- I see I'm running out of time; I'll try to wrap up -- level is invited to these events. They are invited. They don't get to go. They have to apply. They have to go to qualifying classes. Fifteen people across the country, and Regina was one of them at the level at which she rode Contention, a horse that she trains here at her facility in Castle Rock.

The other thing that's unusual about Regina is that she is a -- one of the few trainers who has been successful -- I'm sorry. Lost my train of thought. That's loud.

Regina is one of the few trainers who can combine classical dressage riding with competitive dressage riding. You probably don't know anything about this, but there's a big debate about whether classical riders are competitive riders, and Regina is one of the few people who has been able to demonstrate by maintaining the classical principles that go back hundreds of years. She can compete with the best of them and beat the best of them. And I will explain all of this in much more detail in the letter that we are submitting.

Let's see if there's anything else. I mentioned nuisance shock. I mentioned the coronas.

I invite you to come out and visit the site, see what the facilities are, see how fabulous and scary these horses are. And you need to get on one of them so you can understand what our concerns are. Thank you.

14495-1

- 14495-1 Operation of equestrian training facilities is considered a compatible land use with transmission lines under the Rural Undeveloped [UZ] zoning in Cowlitz County.

Please see the response to Comment 14097-1. After visiting Alpha Riding Academy and discussions with the landowner, the proposed line has been moved to the north away from the horse facility.

The perception by a horse of a shock should not be significantly affected by being shod (having metal horse shoes). The relatively small amount of metal, the location of the horseshoe between animal hoof and ground, and the intimate contact between horseshoe and the horse's hoof all combine such that no increased perception of shock by the horse would be expected from wearing metal horseshoes.

The possibility of a nuisance shock when contacting a metal object near, or on the right-of-way, is related to the size of the metal object, its grounding, the size and proximity of nearby grounded objects, and also the size and grounding of the entity contacting the metal object. Although horseshoes are metal objects, they are not the large metal objects, e.g., a vehicle, being considered in the discussion of nuisance shocks in the EIS (due to the size, location, and use of horseshoes). See also the response to Comment 14328-6. Appendices G and G1 include research that pertains to wild and domestic animals.

Corona is a very weak source of audible noise. The proposed line is designed to meet applicable noise limits and levels of audible noise are further reduced with distance. In fair weather, the corona noise may not be noticeable at all and dressage events would unlikely be performed during foul weather when corona noise would be most perceptible. Noise from a transmission line is relatively constant, tending to meld into other constant background noise. It does not tend to be the type of unpredictable noise for which concern has been expressed.

Studies show that hearing acuity does not necessarily translate to behavioral responses. For example, the behavior of partially domesticated and wild reindeer is not reported to be affected even when confined within 5 meter by 400 meter pens near high voltage transmission lines. Results regarding electromagnetic fields and noise led these investigators to conclude that the disturbance from power line construction and operation is negligible (Reimers et al., 2007; Flydal et al., 2009).

Horses have not been a species of interest to scientists conducting EMF research. As described in Appendices G and G1, however, research on a variety of other experimental, farm, and wild animals has not identified adverse effects in any of these diverse species, which would be expected to apply to horses as well. The substantial body of research on wild and domestic animals is informative for all large mammals and does not indicate any risk. A veterinary survey of livestock owners of horses, hogs, sheep and cattle living near a 765-kV line that produced higher fields than the proposed line did not identify any health or behavior issues

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14495-1 of concern (Amstutz and Miller 1980).

Horses in dressage training are to be stabled in indoor stalls, and audible noise from any source will be substantially attenuated by the horse barn.

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02/04/13 at 6:00 p.m. Castle Rock Elementary School | 700 Huntington Avenue | Castle Rock, WA
98611**

JUDY BAKER:

14496-1 My name is Judy Baker. And I didn't come prepared to speak tonight, but I feel compelled to. I'm not speaking about a particular route or the EIS statement, because for the life of me, I don't think any route is going to have agreement by people who live there. And I think every route is going to have some very hard problems. We've got landslide problems, we've got flood problems, we've got water problems, we've got habitat problems.

14496-2 And so I want to talk about public policy and why we are even considering doing any transmission building with \$430 million or plus. Why are we not using that money to reduce our need for electricity? With \$430 million, can you imagine how we could reduce the consumption of electricity just by spending that money on LED light bulbs from the city of Portland, Vancouver and the other areas? We wouldn't need to generate excess electricity if people had used less electricity. So my main concern is let's look at other options.

14496-3 And I'm glad to hear you say that in 2014 you will decide on a route or maybe decide not to have a route. I'm hoping that you will look at the options of doing other ways, cogeneration at the local level so we don't have to have so many transmission lines. Conservation. There's millions of ways to conserve electricity. But taking that kind of money and spending it on transmission lines, \$430 million. And then since it's going to be in such rough habitat, you're going to have a lot of maintenance, which is going to cost a lot more money over the years to maintain, and, you know, so those costs are going to go up, which means the ratepayers are going to continue to pay more. Why don't we reduce our need for all of that electricity by using a portion of that \$430 million to conserve?

14496-4 Let's see. I jotted down something. Let's see. Yeah. So when you consider the maintenance after this is built, when you consider the maintenance, the cost of the project is going to be a lot more than \$430 million. It's going to be a lot more. So what I really think is this project is not only not wanted, is not

14496-5 needed. And I think that you should really put to the top of your agenda the fact that we don't need to build this transmission line. We need to conserve electricity and make our country a place where we can enjoy the scenery and not enjoy looking at transmission lines.

Thank you.

- 14496-1 Comment noted.
- 14496-2 Please see the responses to Comments 14144-2 and 14316-2.
- 14496-3 BPA considered conservation and other non-wire solutions to the project need. These are discussed in Section 4.7.1, Non-Wires Alternative.
- 14496-4 An updated estimate for the Preferred Alternative is included in the Final EIS. Budget estimates are done periodically to reflect the most current design. Please see the response to Comment 14467-2.
- 14496-5 Please see the response to Comment 14096-3.

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/04/13 at 6:00 p.m. Castle Rock Elementary School | 700 Huntington Avenue | Castle Rock, WA
98611**

PAUL HELENBERG:

- 14497-1 Good evening. Mayor Paul Helenberg, City of Castle Rock. And again, you know, the devaluation of the property, Castle Rock's a small town, and any devaluation in this environment is detrimental to the town. Just losing the liquor tax that we used to get amounts to \$24,000. That's a huge impact on our general fund. You devalue property and you're taking away future development for the City of Castle Rock that the ratepayers right now are paying for an upgrade. We upgraded our sewer treatment plant six years ago, figuring we were going to get that area eventually in our service area, and along with our water treatment plan. So not only we're going to lose the devaluation of the property, the ratepayers are paying for something they won't be able to recoup. And that's really one of the only areas out that way that the City can really expand to with future developments.
- 14497-2 So, you know, I've talked to Mark before several times. And then the other day I was told that we hadn't put a written response, so they didn't listen to anything we had to say. I find that very disturbing. I sat face to face with him twice and told him our concerns.
- 14497-3 You haven't moved the line a bit. I really think you need to look at the existing right-of-way. The people of Oregon are benefiting from this project. They're the only ones benefiting from it. Let them -- their property owners take the heat of it.
- 14497-4 It looks to me like you can go down the existing corridor with some reconstruction of towers and you can put this new line in. You've got three towers going down that existing corridor. Two have three conductors on each tower of three. The other tower has two on each of the three conductors, and then you got one smaller one that has one set of conductors on it. It looks to me, you know, in this day and age, and I know you guys are good at running power, that you couldn't rebuild those lines to take this existing load, take it to Oregon, and -- cause they're the ones benefiting from it. There isn't a soul in Cowlitz County and Clark County that's going to benefit from this.
- 14497-5 Not only from the City of Castle Rock, you get to the school district, you start taking away timber lands out of the school trust lands, not only 150 feet, then they tell me there's another 200 feet on each side because of the taller trees, the potential to fall on the tower lines. That was never explained to me until we had a meeting with the DNR a week ago. You know, you need -- you know, I don't think you want to go into Oregon. I think you're afraid of the people in Oregon because of the LNG, the backing they have. So you came and you picked on poor Cowlitz County and Clark County to benefit Portland. Thanks for your time. And I appreciate it.

- 14497-1 Please see the responses to Comments 14291-3 and 14494-1.
- 14497-2 BPA regrets any impression or statements that we didn't listen to you. There were many ways for people to submit comments on the Draft EIS. While individual conversations are informative and very important to us, they are not always recorded accurately and it is always best to submit comments in your own words or writing when you want them to be included in the record.
- 14497-3 Please see the responses to Comments 14460-1 and 14494-2.
- 14497-4 Tall-growing vegetation that would interfere with the safe operation of the line would need to be permanently removed within the 150-foot right-of-way. Additional danger trees beyond the right-of-way may need to be removed depending on several factors. Section 3.11, Vegetation Clearing, explains the use of a full safety backline.
- 14497-5 Please see the response to Comment 14443-1.

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/12/2013 3:54 p.m.**

14498-1 | Hi my name is Valerie Harris and my husband is Kelly Harris. We're listed on your mailing list at
| . I have sent you a notice previously to discontinue sending us
| mailings. We no longer live in Kalama. And if you could call me at to confirm that you've
| removed us from your mailing list, I'd really appreciate it. Thank you.

14499

MIRIAM G HILTON

02/13/2013

14499-1 | I am very pleased that you have not chosen the most highly populated areas to run your new 15 story
| line, but feel that going even farther east would have been better. Isn't there a better route?

- 14498-1 BPA contacted the commenter to confirm that her name was removed from the mailing list.
- 14499-1 BPA considered alternatives farther east. Please see the response to Comment 14395-2.

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/06/13 at 6:00 p.m. Clark Community College | 1933 Fort Vancouver Way | Longview, WA 98632**

RODNEY HAZEN:

My name is Rodney Hazen. I'm a United States citizen and a Clark County property owner. I'm concerned about the decisions our government is making. This format is all about using the existing right-of-way. The existing steel tower line between -- 230 line between Castle Rock and Ross substation, which is Castle Rock to Ross substation down here (indicating), BPA could build new double-circuit 500 towers on the existing right-of-way. The existing people with homes and property are familiar and accustomed to living around these high-voltage lines. With this you're not blazing 50 miles of new right-of-way through existing people's homes and property.

This would make good economic and common sense. So we can either go straight line between Castle Rock and Ross, which there is already a line there and just rebuild it, put in new towers, or instead an alternative which goes way out in No-Man's Land. It's more cost.

14500-1

Now, I'll back up my talk with facts. Southern Cal Edison, a huge company in California, has a project going on right now located northeast of Los Angeles. They are using existing right-of-way to remove old towers, install new towers. This portion of the job is 25 miles long, costing \$9 million. From Castle Rock Casey Road substation to Ross, using the existing Ross right-of-way is 50 miles point to point. From Ross and Troutdale Sundial, choose any existing high voltage line and right-of-way, that will be about 16 miles to the east from Ross to there, and from that point down to Sundial another eight miles.

Using Southern Cal Edison's numbers for cost, \$9 million, that will be about 75 miles which will add up to \$270 million dollars versus the \$460 million dollars that the projected line is going to have, so there's a lot of savings there. This makes good economic and common sense. We need to be concerned about the decisions our government is making. Remember, our US government is all about of the people, by the people and for the people. That's it.

14500-1 BPA considered double-circuiting the existing right-of-way. Please see the response to Comment 14460-1.

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/06/13 at 6:00 p.m. Clark Community College | 1933 Fort Vancouver Way | Longview, WA 98632**

RAY RICHARDS:

My name is Ray Richards. I'm a property owner and a board member of a Better Way for BPA. I'm going to speak a little bit about Chapter 7, visuals. And I was looking at the pairs of photos, existing conditions versus simulations of what different areas would look like with new lines. So I looked at Figures 7-1 through 7-7, and these are various locations on the west alternative and it does a good job of showing that not much changes.

You have lines and towers before and you have lines and towers afterwards and it's still a power corridor. Figure 7-8, same thing, existing chunk of right-of-way and not much changes. Figure 7-9, that affects all the alternatives, has a segment existing right-of-way and not much changes other than tower configurations and three more conductors.

Then you get to Figure 7-10 which affects central and crossover and what do we see there? A view of a restroom and how that view of the restroom would be changed at Lake Merwin. Figure 7-11 on the east alternative is a photo of a clearing and a muddy road, so that's all you have to show for the rural routes is a restroom and a muddy road of how the view scape would be affected, and no photos of 68 river and stream crossings, no before and afters on that of forest and streams versus clearcut streams to the edges. And these areas are seen by many viewers, so I'm thinking the sensitivity levels are higher than what you're assuming. And also no pairs of photos of ridge lines and mountains, no before and after. These are seen by many viewers, not just people who live in the area.

14501-1

And then also there's a photo of Silver Star Mountain with its views of Mt. Rainier, Adams, St. Helens and the Three Sisters on a good day. No before and after of what the view would look like from there looking to the west line if Segment O continues.

And now I'm on page 7-7. It says, "The overall scenic quality along the west alternative is rated low." Well, I agree with that. Then it continues, "but viewer sensitivity is rated high. The primary factor affecting view sensitivity is the viewer's proximity to the alternative." Well, the proximity to an existing corridor which the viewers willingly bought and built on, so that doesn't seem to make a whole lot of sense.

Then on page 7-9, the central alternative and its options have a low level of scenic quality, so I guess that has to do with the outhouses and muddy roads. I'm almost done.

Here's something really puzzling -- 7-8 -- and it says, "Overall, the west alternative and its options have viewers with a high sensitivity level for two reasons: A large amount of new right-of-way is in undeveloped areas to the north." Looking at your map there is no large amount of new right-of-way in the north. It's all on the existing corridor, so I have no idea what they're talking about, and that certainly puzzles me. And then it says, "where citizens are less used to power lines." Well that would certainly apply to the central alternative, but not to the west, so that one has got me completely baffled.

So my conclusion is that this chapter is grossly inadequate, it's borderline fraudulent.

- 14501-1 Please see the response to Comment 14171-10 for further explanation of the methodology used in the visual assessment. More simulations have been added to the Final EIS.
The wording for the West Alternative in Chapter 7, Visual Resources, has been corrected in the Final EIS.

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/06/13 at 6:00 p.m. Clark Community College | 1933 Fort Vancouver Way | Longview, WA 98632**

ERNA SARASOHN:

- 14502-1 | I'll say something nice to you now. I'm Erna Sarasohn. I'm chair of Citizens against the Towers, and I'm an active board member of Another Way BPA.
- 14502-2 | The thousands of impacted families on the west alternative appreciate the fact that BPA did not select the west alternative as the preferred route since the greatest number of people, schools, daycare centers and churches would have been devastated had this route been chosen, and the citizens do thank you.
- 14502-3 | BPA wrote in the recently released DEIS, quote, uncertainties do remain about the possible link between childhood leukemia and childhood magnetic field exposures at levels greater than more than three to four milligauss. This is an understatement according to scientific studies published in the most prestigious medical journals in recent years.
- 14502-3 | Scientific data convincingly and consistently show links between magnetic fields greater than two to four milligauss and cancer. If you are 90 feet from a 500 kV line you would be exposed to 26 milligauss. If you live 656 feet from a 500 kV line there would be 70 percent increased risk for childhood leukemia, and at 1,968 feet 20-percent risk.
- 14502-4 | There is a danger to all, so why is BPA proceeding with plans to place 500 kV lines within 500 feet of at least 327 homes on the central alternative when they have an unpopulated gray line and other options available to keep these lines away from families? The decision makers at BPA would never put their own families at risk, so is it possible they think our children are less valuable?
- 14502-4 | Just the fact that BPA thinks it is acceptable to risk the lives of our children speaks volumes, and the life of one child is worth the effort BPA must put into keeping these dangerous lines away from the citizens and children. Thank you.

14503

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/06/13 at 6:00 p.m. Clark Community College | 1933 Fort Vancouver Way | Longview, WA 98632**

DOUG FAULKNER:

- 14503-1 | My name is Doug Faulkner. I am recently retired from Puget Sound Energy. Upon retirement my wife and I moved down here, so we now live in Clark County. At Puget Sound energy my job was to contract for transmissions from third parties to move new generation to Puget's loads. I have seen the effect -- or the potential effect of not building the I-5 corridor. In fact, one recent project we purchased was on a conditional firm, which is not fully firm, and that's because the I-5 corridor is not robust enough.
- 14503-1 | So my goal here -- or my desire is to encourage you strongly to build the I-5 corridor. I'm not speaking to any particular line. That's what I have to say.

14502-1 Comment noted.

14502-2 Comment noted.

14502-3 Please see the response to Comment 14328-6.

14502-4 No route BPA has considered, or that has been suggested to us, is completely unpopulated. We believe all people are valuable and we design, build and maintain lines to be safe and reliable. We continue to read reports and studies about health risks posed by electric and magnetic fields and design our lines to meet industry regulations and standards.

14503-1 Comment noted.

**BPA I-5 Corridor Reinforcement Project Verbal Comment from Draft EIS Public Meeting held
02/06/13 at 6:00 p.m. Clark Community College | 1933 Fort Vancouver Way | Longview, WA 98632**

TERRY CONSTANCE:

I just wrote down a couple little things, scratched a few things together last minute.

- 14504-1 | My name is Terry Constance. I'm the chairman of Another Way BPA. No Lines in Populated Areas, Rural or Urban is our corporate name.
- 14504-2 | We have shown in public meetings that this power is not for Southwest Washington. We've shown it, we've shown a schematic of it, we've proven it, and yet today BPA still insists that this is going to benefit our area. When I reviewed the draft EIS I saw seven major components of it that are missing, and those components -- which I won't go into detail here -- are critical for the draft. It needs to be in there. It's not in there. It was skipped, mentioned maybe by a word, but no detail, no analysis, nothing.
- 14504-2 | According to BPA, the west alternative is dead. They have it outlined in the draft, they list seven major reasons, or eight, that you can't use the western alternative. According to PGE, the load reduction that's happening on the grid in the last three years has reduced the load down to the point where it's not really going to be a need for Oregon, California or Canada to have the I-5 in the whole mix of things. And just recently I've been made aware that the Central Ferry project is going to increase the megawatt production for this area and Oregon by a much more large percentage than they thought it would. So you add those things in -- extra production, what the other people are actually building lines do, and what the engineers are saying -- it looks like a no-build scenario is coming pretty quick.
- 14504-3 | And in the draft, speaking about EMF, completely overlooked, we never got a copy of the FOIA document we requested relating to the study that was done. Part of the Golder Associates analysis that they put together for BPA left out the name of the company that did the EMF study. We never got the details on it, although we were made accidentally aware of some data that was about what the details were and how many homes were affected and the distances. That's why you hear those numbers.
- 14504-4 | We think the northeastern route, the gray line, was misrepresented by BPA with added home counts that didn't exist. We think that there are two alternatives with the gray line, the northeastern route. You can cross at Bonneville Dam on the existing Skamania right-of-way, you can go up and across the existing towers at Bonneville Dam and come back down to Sundial on the other side. It's a little extra distance that costs a little more money up front, but there's no people impacted on that route.
- 14504-4 | You can also cross between Washougal and Camas on Reed Island. It is a state park, but we don't care that it's a state park. Neither does Washington DNR. The people are more important than state parks, and it's just fine to put a tower there as far as the people are concerned.
- 14504-5 | The move to the BPA central alternative was not far enough east, and there's too much population impacted in Camas and Castle Rock and the urban growth area in that section. I'm not really sure what the impact is on Segment P, but we do have a field trip planned out there. That's all I've got.

14504-1 Comment noted.

14504-2 The technical studies for the I-5 Project have been updated several times using the latest load forecast provided by local utilities. BPA works closely with the local utilities to model an accurate description of the transmission system and future loads. PGE provides their load forecast annually and the latest forecast is used in the technical study. Each restudy showed the I-5 Project was needed.

Please see the response to Comment 14494-2.

Central Ferry is a wind generation project located east of the Cascade Mountains and is expected to have minimal impact on the I-5 Project.

14504-3 The report prepared by Golder Associates for the Oregon Department of Energy is available on the project website at: <http://www.bpa.gov/Projects/Projects/I-5/2012documents/EMF-Final-Report-11-23-09.pdf>.

14504-4 Please see the response to Comment 14395-2.

14504-5 Please see the response to Comment 14395-2.

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/14/2013 10:59 a.m.**

14505-1 Hello I'm calling for Regina Agren. And Regina is requesting that you send to her address which is . That you would send to her. She needs 1 box of 100 envelopes, a box of your pre-lined stationary, and then she needs a box of 100 of your actual business cards so people will know how to go online and how to get in contact with you. And she would like that sent to Regina Agren at . Thank you very much. And I'm Suzanne Sabata at . Thanks!

14506

PAULA OVERHOLTZER

02/14/2013

BPA's "Divide and Conquer" Strategy:

14506-1 Divide: I've visited my Dole Valley neighbors enough to have observed their sentiment regarding the BPA proposal for Central Alternative routing: "We won our fight. This one's your fight." By coming up with so many possible alternatives, you were able to fragment your opposition. There is no way people will (in general) stand together on this. If my neighbors vehemently oppose the Central Alternative, they know that your next proposal might end up "back over (their) land and houses." Some of them are still bedraggled after the organized, high-energy opposition of 2009 and 2010. (I was hiking the Appalachian Trail and teaching in China during those years, or I'd have been more involved back then, too.)

Conquer: Since announcing your project in 2009, you have met and spoken with thousands of stakeholders at public meetings. Your mailing list includes nearing 14,000 people, and you've reviewed more than 4,000 public comments. Obviously, people have expressed interest in the invasion. The problem is that people will not "hang on forever." As you have certainly noticed, the number of BPA or BPA-contracted employees at each of the public meetings held in December 2012 or January/February 2013 far outnumbered the concerned citizens who attended. Over time, people simply fade away. No matter how passionate they originally feel about the topic, they're not paid to attend the meetings the way you are, as federal government employees. You have a definite advantage: you can go on and on and on. For you, its a paycheck. In the end, you've got \$ 459 million to spend. Yee-haw! So, in the big "Chess Game of Life," you have strategically played your pieces well. Divide and Conquer. Check-mate!

14507

LES SARASOHN

02/13/2013

14507-1 I just want to thank BPA for restoring my respect for the Federal Government. You have restored my faith in the concern your agency has for the people you service. By not selecting the most heavily populated West Alternative, which would have put the health of thousands of children at risk you show your compassion for our welfare. BPA, GOOD ON YA!!!!

14505-1 BPA sent the commenter the materials she requested and 50 project updates.

14506-1 Comment noted.

14507-1 Comment noted.

February 13, 2013

- 14508-1 I'm writing to express my concerns and strong opposition to the proposed location of the BPA I-5 Corridor Reinforcement Project high voltage lines as it relates to my property.
- I've spoken with several BPA representatives to express my concerns over the placement of the lines and was recently told that I need to express my concerns during each phase of the project.
- The property (, ,) is a large parcel with amazing views to the south of Portland, Hood and the Columbia. This type of property is extremely rare and it took me well over a decade to locate and purchase. After purchasing the property, I spent over two years of county process for a comprehensive plan and zoning change that allows for three estate quality building sites. I've also spent hundreds of thousands of dollars to maintain, improve and manage the timber and land. The value all of these estate building sites will be nearly ruined by the location of the proposed line along with the loss of the highest value future uses of the property. The immediate financial loss to me, resulting from the location of the proposed lines, will be extraordinary. There would also be dramatic losses in the highest value future uses.
- 14508-2 The property is on the edge of the growth boundary has substantial development potential now and in the future. The proposed line locations would destroy the future development of estate setting and a neighborhood with amazing views, setting and close proximately to town. Access and services are already extended to the property and growth in the general area has already resulted in mostly 5 acre zoning of adjacent properties. My immediate plans for the property are for commercial production of lumber and for the three estate lots. My long term plan is for a residential development along the southern portions of my property once the timber is harvested. This is sometime away, likely 12-20 years, but it is absolutely a realistic plan that will be destroyed by the BPA line locations. The property is currently approved for three estate home sites immediately to the north of the proposed tower locations. These are extraordinary sites with panoramic views of the Columbia George, Mt. Hood, Portland, and surrounding mountains and valleys are extremely rare and difficult to replace. The proposed high voltage lines will destroy these settings and have a dramatic negative impact on the entire property. This area could support well over 100 high end residential lots in the future.
- 14508-3 The proposed line locations would destroy the most productive tree growing area on the entire property. The Douglas firs growing in the areas of the lines are the most successful stands on the property. The line placement would destroy three million dollar estate lots in addition to the future development and timber uses. The lines would destroy the views and would prevent most people from wanting to purchase or live on a property that is immediately adjacent to the lines for health concerns that BPA denies but the general public clearly believes. Either way the value of this amazing property is largely destroyed by the placement of the lines.

14508-1 BPA appreciates the time spent by people who submit comments during the various public involvement stages of the NEPA process. Public comment helps BPA understand the issues that need to be addressed, identify possible alternatives and routing adjustments, and determine appropriate mitigation measures.

14508-2 Please see the response to Comment 14097-1.

14508-3 Please see the response to Comment 14508-2.

- 14508-4 I spent 10 years searching for an amazing acreage that is very close to town that offers such incredible views and setting. It would be incredibly disappointing to have my plans and hard work destroyed by the BPA project.
- I do understand that if the project goes forward that the lines must go somewhere and that ultimately hundreds of people will be adversely affected.
- 14508-5 If I end up being one of those people, I want to make it clear to BPA that what is being taken from me has extraordinary value well beyond typical land values due to the amazing setting, view, size, services and proximity to Portland. I don't believe that BPA's planning of the line locations fully considered this value or impact to my property.
- I again ask that the lines not be run on my property and that this line segment be re-routed to preserve this amazing property.
- 14508-6 The location of the towers and lines are in just about the worst possible location for this property. I do understand that the lines must go somewhere. Is it all possible that the existing easement that runs north from 49/14 could be used as an alternative to where the line currently runs north at 49/7? If this route were possible it appears it would be much better for me and several other property owners and would cost the project less as the easements are already established and would be more direct path for the new lines. Another alternative that would be better for my parcels would be to the far north of my land. This would still impact the property but it would not destroy the views of Mt. Hood, the Columbia George and Portland.
- 14508-7 I'm extremely disappointed by the years that project has tied up my property. I have not been able to proceed with my plans because I must wait year after year for BPA to decide if it will take my property. It is not right that the BPA can cause such enormous damage by tying up all the properties in the proposed paths of the BPA project. Property owners have been tied up for years by this project. Many cannot sell their properties because of this unknown and in my case, I haven't been able to proceed with building my home. I have carrying costs on the property and it would be reasonable to expect that BPA should have to pay me and every other property owner that has been tied up for years over this project.
- 14508-8 Essentially the BPA has taken options on everyone's land without paying a dime. This is simply wrong.
- 14508-9 Attached is a plat map showing the four 40 acre parcels. The parcel ID's are . (The first lot was recently sold to friends of mine that have been involved with this project since the beginning. Tax id . Their lot will have similar impacts as the 3 I've noted). Each parcel is currently approved for a building site. In the past there had been a proposal that would have resulted in 32 homes being built along the ridge that would take advantage of the southern views. The zoning wasn't approved for this use in 2005 but it's highly likely that it would be in the future and could probably be approved today. The current zoning on 3 sides of this property are 5-10 acre. All 32 lots were planned to be located to the very south end of this property – along the ridge road in higher density setting while preserving the north in large natural block. My immediate plans are only for the three estate settings and I planned to consider further development once the Douglas Fir was

- 14508-4 Please see the response to Comment 14508-2. BPA recognizes that all action alternatives studied would affect someone's property.
- 14508-5 Comment noted. Published studies referenced in Section 11.2.2.5, Property Values, show direct impacts to property values from high voltage electrical transmission lines on average can range from slightly more than -0 percent to as high as -6 percent. BPA's studies have historically identified an overall average range from slightly more than -0 percent to almost -2.5 percent. A recently published BPA study in the Seattle area (also summarized in Section 11.2.2.5) was able to isolate higher valued homes (near \$1,000,000) that exhibited an average direct impact of approximately -11.5 percent. Aside from higher valued homes, typical priced homes in the area impacted by this project, according to BPA studies, should realize a slight reduction in value of no less than -1 percent and no more than -1.75 percent as the project's influence stabilizes in the market.

Every property BPA would acquire land rights from, for the proposed transmission line, would be appraised at its Fair Market Value ("present value of future benefits"). These appraisals would reflect the property's value assuming there is no project. The appraisal process would reflect the value of adjacent property types ("across the fence part taken appraisal methodology") plus any damages that apply to individual properties the transmission line right-of-way crosses. In some instances, a Fair Market Value assuming the project never existed and a Fair Market Value assuming the project is finished and operational ("before and after appraisal methodology" of the "larger parcel") may be employed. Roads would be appraised based on either road easement sales ("value in use appraisal methodology") or by the Fair Market Value procedure using adjacent property types. These appraisals would be prepared by either a third party appraiser, knowledgeable in the local market and licensed as a Certified General Appraiser in the state of Washington or by BPA staff appraisers. Timber would be appraised based on its fair market value at the time of identification/marketing. Any and all Fair Market Values concluded through appraisal activities would be as of the appraiser's inspection date.

- 14508-6 Please see the response to Comment 14097-1.
- 14508-7 BPA understands the commenter's desire to have updated information and learn about our project decisions as quickly as possible. We want to ensure that we provide a complete and comprehensive environmental review for consideration and comment. That takes time. The additional time allows BPA to consider the comments it has received about the project and complete environmental analysis of issues identified by landowners and stakeholders. This will help BPA make a well-informed decision about a preferred alternative and ultimately whether, and where, to build a new line and substations.

14508-9 | commercially harvested which is likely 15-20 years out. I believe that in the future this property (after the next timber harvest) would be ideal of a high end neighborhood with well over 100 lots

14508-10 | On the plat below, I roughly indicated the location of the estate setting for building sites and I also show where we would prefer the 150' easement be located to the north of the property. The current route has the towers on the south end of the property, very close to the planned building sites.

14508-11 | I can be reached at _____ or _____ if anyone would like to discuss my concerns.

Regards,

Daryn



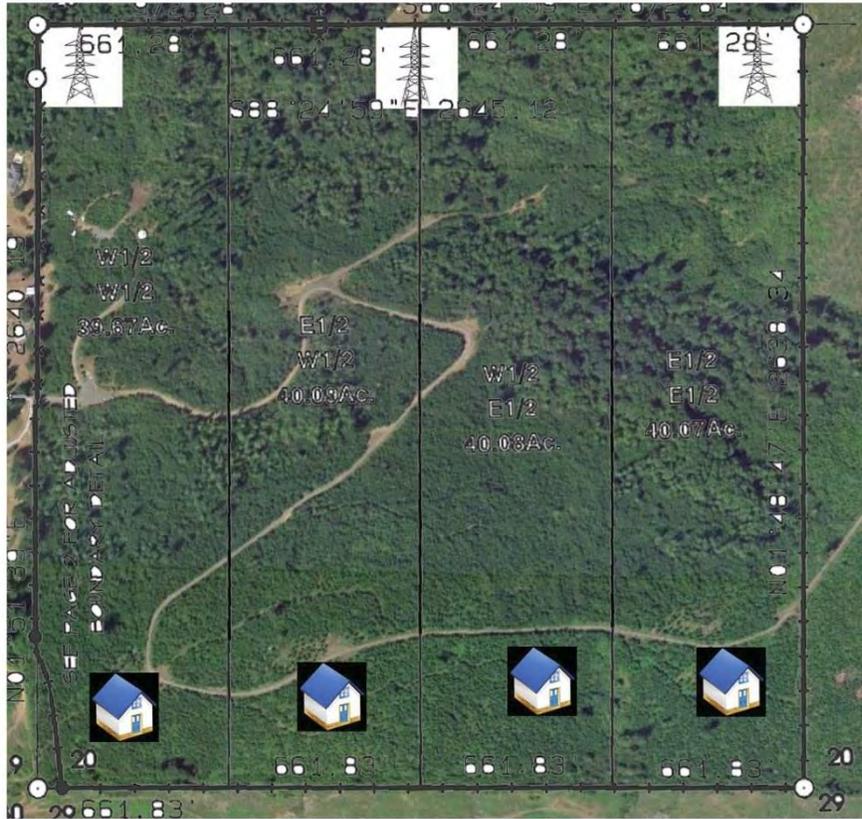
14508-8 Comment noted.

14508-9 Please see the response to Comment 14508-2.

14508-10 Please see the response to Comment 14508-2.

14508-11 BPA contacted the commenter and discussed his concerns.

14508



14508



Regards,

Daryn Chapman

Please acknowledge receipt of this petition and publish the same as a general comment on the project website and records.

14509

BPA, choose the West Alternative!

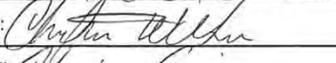
Bonneville Power Administration intends to build a new 500 kV transmission corridor, known as the I-5 Corridor Reinforcement Project, through Clark and Cowlitz Counties. BPA's choice of the Central Alternative as its preferred alternative defies logic and ignores the facts. Our goal is to minimize the impact this project will have on private landowners, the environment and scenic beauty by advocating a route that takes the least amount of land. The West Alternative is the route that accomplishes this goal. The issues are:

14509-1

- 1. Landowner Rights:** BPA would need to acquire an estimated **94 acres** of private land along the **EDGES** of its existing right-of-way, the West Alternative. In contrast, on the Central Alternative, BPA would need to acquire 69 miles of new easement, **INVADING** and destroying **1255 acres** as it passes **THROUGH** new private land.
- 2. Cost:** According to BPA's estimate, it will cost **74 million more dollars** to build on the Central Alternative than on the existing corridor, the West Alternative.
- 3. Environmental Impact:** There is minimal damage to the environment by using the BPA-owned West Alternative, an existing transmission corridor with a 70-year history. Using the Central Alternative would require many new river and stream crossings in areas that are home to threatened and endangered species.

14509-2

We ask BPA to recognize these facts concerning the impact a new transmission corridor would have on rural homeowners, private land and landowner rights, the environment, the scenic areas that would be permanently damaged, and the productive timberland that would be forever lost. We ask you to choose the route that takes the least amount of new land. **Choose the West Alternative or build the Pearl Route.**

Name	Address	Date
Sign: 		2-9-13
Print: <u>JEFF JOHNSON</u>		
Sign: 		
Print: <u>JOHN FLEMING</u>		
Sign: <u>Deborah Warnke</u>		2-9-13
Print: <u>Deborah Warnke</u>		
Sign: 		
Print: <u>Alice Giese</u>		
Sign: 		
Print: <u>Chris Giese</u>		
Sign: _____		
Print: _____		

1 of 1

14509-1 Please see the response to Comment 14110-1.

14509-2 Please see the response to Comment 14443-1.

February 12, 2013

Trenton J. and Linda L. Spolar

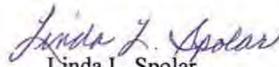
Bonneville Power Administration
I-5 Corridor Reinforcement Project
POB 9250
Portland, OR 97207

To Whom It May Concern:

- 14510-1 You have chosen your route. The plan entails putting a tower on DNR land adjacent to our property. It is very close, almost touching our northwest corner a short distance from our home. Attached you will find a copy of the comment sent by Fax to Mark Korsness on May 5, 2010. It is being re-sent because he recently told us he did recall that we had contacted him and sent him information concerning the RS Medical pain stimulator that I require and the fact that proximity to power lines could cause a problem. However, he did not have the information readily available although he contacted us more than once after receiving it. You will find copies of information from the manual accompanying the implant device for controlling severe pain. You will also find a letter from me explaining my need for this device. I have severe osteoarthritis which was precipitated by two automobile accidents. The device was implanted once and had to be removed because of a wound infection at the site. Two years later I am still awaiting a repeat
- 14510-2 surgery. You will see that I cannot have the surgery until there is reasonable assurance that I will be far enough away from the power lines to be safe. As your plan currently stands, I will not be able to work areas of my tree farm with the device in place because of the proximity of the towers. The external device I mention in my letter does not provide adequate pain relief and I am required to use potent medications just to get through the day. In addition, I am allergic to the contact pads required to use the external device. That pain and those medications have severely curtailed not only my comfort but the quality of my life and my ability to do necessary tasks. Virtually every part of my life is affected. With the implanted device there is more predictable pain relief and the allergy problem is circumvented. All in all, it is a much better solution and as the arthritis progresses it is becoming a necessity.
- 14510-3 Yesterday we signed a proposal carried by Ray Richards to offer a change in the route which would remove the above mentioned situation. John Paladini was likewise interested in the change. In addition, I contacted Mr. Korsness on a proposal that would carry the power line at a right angle across Rock Creek so that the distance from our property would give me a safe buffer. This would be a much less complex solution to my problem if Mr. Richards proposal cannot be used. By the time you receive this letter, or soon after, you will have heard from Mr. Richards who is busy contacting landowners in the area. Please give serious consideration to the proposals. If we have to live with this project, please at least allow us to do so with the least amount of disruption and safety.

Sincerely,

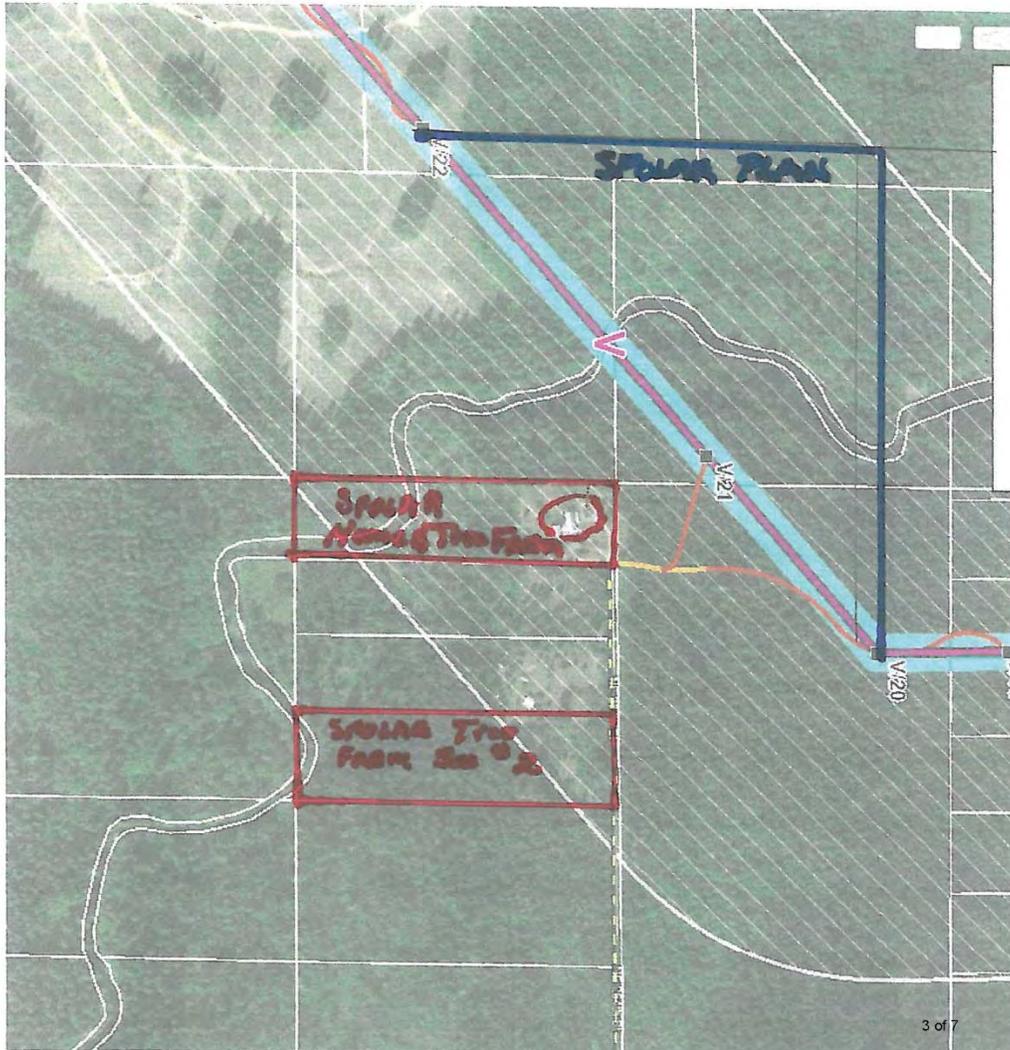

Trenton J. Spolar


Linda L. Spolar

Cc: Mark Korsness

- 14510-1 Please see the response to Comment 14097-1.
- 14510-2 BPA operates 4,803 circuit miles of 500kV transmission line in the region and we know of no case in which a BPA line has harmed a patient with a pacemaker, nerve stimulator, or other such implanted medical device. As a precaution, we encourage people with an implanted medical device to consult their physicians if they have reason to be very near high voltage lines. For more information on the interaction of EMF and implanted medical devices, please refer to Appendices G and G1, Section 3.
- 14510-3 Please see the response to Comment 14097-1.

14510



3 of 7

14510

**FAX COVER SHEET****FROM: TRENTON J. SPOLAR, M.D.**

Or Linda L. Spolar

TO: Department of Energy, Bonneville Power Administration

Attn: Mark Korsness

DATE SENT: 5/2/2010**NUMBER OF PAGES w/ COVER SHEET: 4****MESSAGE:**

Mark,

This is a follow up to the meeting at Prairie High School. It was submitted in February. I am sending it again in response to the request at the end of the meeting to notify you of medical devices used by citizens potentially affected by the route you choose for the anticipated high power lines. This is, of course, a high concern for us as it would mean we would have to leave the home we have spent years loving and caring for. Certainly it makes the most sense to route those lines through unpopulated timber lands.

Thank you for your consideration.

/s/ Trenton J. Spolar

Linda L. Spolar

Phone:

Fax:

4 of 7

14510

February 1, 2010

Department of Energy
Bonneville Power Administration
POB 491
Vancouver, Washington 98666-0491

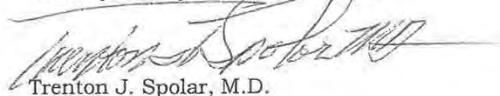
To Whom It May Concern:

We recently received notification from you that certain areas, namely segments 27,31,42, and 44 have been deleted from your consideration for your proposed route segments for the proposed I-5 Corridor Reinforcement Project between Castle Rock, WA and Troutdale, OR.

Unfortunately, No. 28, which comes right over my property and my house, is still under consideration. I suggested to you earlier that you consider a route over DNR land (segment 26/30 or segment 29). This is not only a concern for the effect on property values. For me it is a health issue. The State of Washington considers me to be permanently disabled. I have had four joint replacements, i.e. both hips and both knees, as well as surgeries on both hands and arms and multiple surgeries on my back. I have severe osteoarthritis as well as what is now known as "failed back syndrome".

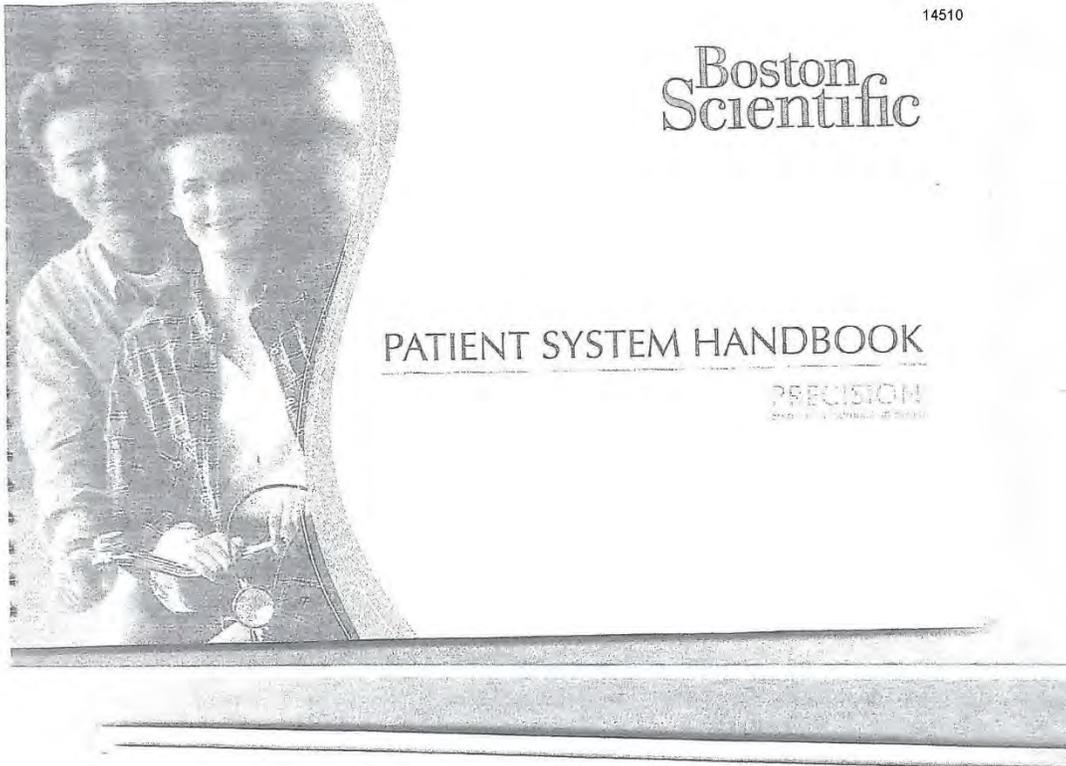
Because of the chronic back pain, it is necessary for me to use an electronic device which alleviates enough of the pain to allow me to live a somewhat normal life. Without this device I need to use pain medication which can become addictive. A permanent spinal cord nerve stimulator was implanted in my back in December. Because of an infection it had to be removed. I am eligible for replacement in three to six months. In the meantime, I am using an external transepidermal nerve stimulator (TENS) unit. I have enclosed copies of pages from the book accompanying the units stating the importance of avoiding high intensity electronic impulses as they can negatively affect the devices. I would ask you to consider this as you decide on the route you will ultimately choose.

Thank you for your consideration.



Trenton J. Spolar, M.D.

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Patient System Handbook

Warnings

Heat Due to Charging. Do not charge while sleeping. This may result in a burn. While charging, the Charger may become warm. It should be handled with care. Failure to use the Charger with either the Charging Belt or an adhesive patch, as shown, may result in a burn. If you experience pain or discomfort, cease charging and contact Boston Scientific.

Magnetic Resonance Imaging (MRI). You should **not** be exposed to Magnetic Resonance Imaging (MRI). Exposure to this diagnostic technology may result in dislodgement of your Stimulator or lead(s), heating of the Stimulator, severe damage to the Stimulator electronics and/or increased voltage through the leads or Stimulator which can cause an uncomfortable or “jolting” sensation.

Pediatric Use. The safety and effectiveness of spinal cord stimulation has not been established for pediatric use.

Diathermy. As an SCS patient, you should not have any form of diathermy either as treatment for a medical condition or as part of a surgical procedure. The high energy and heat generated by diathermy can be transferred through your stimulator system, causing tissue damage at the lead site and, possibly, severe injury or death. The Stimulator, whether it is turned on or off, may be damaged.

18

6 of 7

14510

Safety Information

Cardiac Pacemakers. Spinal cord stimulators may interfere with the operation of implanted sensing stimulators, such as pacemakers and implantable cardiac defibrillators (ICDs). Be sure your physicians are aware of your spinal cord stimulator before going forward with other implantable device therapies so that medical decisions can be made and appropriate safety measures taken.

Stimulator Damage. Burns may result if the pulse generator case is ruptured or pierced and patient tissue is exposed to battery chemicals. Do not implant the device if the case is damaged.

Posture. Changes in posture or abrupt movements may cause decreases, or uncomfortable or painful increases in the perceived stimulation level. Keep the Remote Control with you at all times, and turn the stimulation down or off before making posture changes. If unpleasant sensations occur, the stimulation should be turned off immediately.

→ **Electromagnetic Interference.** Strong electromagnetic fields can potentially turn the stimulator off, or cause uncomfortable or jolting stimulation. Avoid or exercise care around:

- Theft detectors or security screeners, such as those used at entrances/exits of department stores, libraries, and other public establishments, and/or airport security screening devices. It is recommended that you request assistance to

19

Patient System Handbook

bypass the device. If you must proceed through the device, turn off the stimulator and proceed with caution, and move through the center of the screener as quickly as possible.

-
- Power lines or power generators
 - Electric steel furnaces and arc welders
 - Large magnetized stereo speakers

As you approach these devices you may become aware of changing stimulation levels. In rare instances, you could experience an increase in stimulation level to the point that the sensation is uncomfortably strong or possibly "jolting." If this happens, turn off the Stimulator. If the Stimulator suddenly turns off by itself, first move away from the area. Next, check the Stimulator status with the Remote Control by pressing the Stimulation On/Off button and observing the screen. The Stimulator may need to be recharged before stimulation can be restarted. (See "Charging the Stimulator" on page 55 for additional information.)

Always be aware of your surroundings, particularly near theft detectors/security screeners. Ask for assistance to go around these devices if you feel at all uncomfortable.

20

7 of 7

JAIME HERRERA BEUTLER
 3RD DISTRICT, SOUTHWEST WASHINGTON

COMMITTEE ON
 TRANSPORTATION AND INFRASTRUCTURE
 VICE CHAIR, SUBCOMMITTEE ON
 WATER RESOURCES AND ENVIRONMENT

COMMITTEE ON
 SMALL BUSINESS



Congress of the United States
 House of Representatives
 Washington, DC 20515-1602

14511
 1130 LONGWORTH HOB
 WASHINGTON D.C. 20515
 (202) 225-3536

GENERAL O.O. HOWARD HOUSE
 750 ANDERSON STREET, SUITE B
 VANCOUVER, WA 98661
 (360) 695-6292

WWW.HERRERABEUTLER.HOUSE.GOV

January 17, 2013

RECEIVED BY BPA ADMINISTRATOR'S OFC-LOG #: 2013-0005
RECEIPT DATE: 1/17/13
DUE DATE: 2/8/13

Stephen J. Wright
 Administrator
 Bonneville Power Administration
 905 NE 11th Avenue
 Portland, Oregon 97232

Dear Mr. Wright,

I have been approached for assistance by Cheryl Brantley, Chair of a Better Way for BPA, regarding the BPA I-5 Reinforcement Project. Due to the magnitude of the impacts that will be experienced by affected landowners and the conflict for many families with the recent holiday season, Ms. Brantley and her Board are requesting a 90 Day extension to the public comment period for this project. Pertinent documentation has been enclosed for your reference.

14511-1

I concur with her concerns, and encourage you to give every consideration to her requests. Please direct your response to the attention of Shari Hildreth in my Vancouver office. Thank you for your time and attention to this matter.

Sincerely,

Jaime Herrera Beutler
 Member of Congress

Enclosure

ASSIGN: Liz Klumpp, DKR-WSGL
 cc: FO3, DK, DKN, DKR, L, T, TE

14511-1 In response to these and other public comments, BPA extended the comment period until noon, March 25, 2013.

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/15/2013 9:32 a.m.**

14512-1 Yes, I want to say that I support the BPA's preferred route alternative that they just put out in the draft EIS., That's the best route because it has the least impact upon residential home owners. I happen to live in one of the other route areas. There was way to much disruption that would happen if it was placed over there. So, thank you very much for choosing the alternative route that you have. It just makes the most sense. Hopefully you're hearing supporters of it and not just people that don't like it. So thank you again for choosing that route. Hopefully, that's the final one and we can get on with this and be done with it.

14513

TIMOTHY R DESPAIN

02/15/2013

14513-1 With your proposed preferred alternative segments route tower F73 will be on my property. The way you want to run your lines you will be taking a large part of our property. We would be better off if you could run it along our property line and not through it. We are counting on this property for our retirement and are planning on subdividing it. It will be much harder to sell this property with power

14513-2 lines running through a large part of it.

14512-1 Comment noted.

14513-1 Please see the response to Comment 14097-1.

14513-2 Please see the response to Comment 14328-5.

14514

February 6, 2013

Bonneville Power Administration
 I-5 Corridor Reinforcement Project
 P. O. Box 9250
 Portland, Oregon 97207

To whose concerned:

After a phone call to me by Mark Korsness, and a meeting with him at the recent meeting in Castle Rock on February 4th, it was suggested I write my comments and send them in before March 1st.

14514-1 It is my understanding that these letters you receive do get read, discussed and evaluated. I hope this is correct. I fully understand this a very important project for the future, and there are problems involved that affect many of us. But I would like to have you review my case.

14514-2 My home is on a piece of land that directly adjoins the projected route the lines will take. I live on 2 1/4 acres on Gassman Road and you can see your maps the lot next to me is vacant and I am sure easily useable to you. However, if you do run the lines in that area, you will definitely destroy what little future I have left. I purchased this land 14 years ago after my husband died, planning on the fact it would gain value over whatever years I had left, and I could go into a Retirement Home if necessary. I am now 85 years old old and how many more years I can live here. It is my home and I can live here more inexpensively than anywhere in the city and certainly less than any Retirement home.

14514-3 If you build next door, you will cancel out any chance I have of selling this place at a fair price to some home buyer from now on, regardless of the real estate market. No one is going to want to live near these lines. If I have to sell to you, same problem, as your "fair value" price will certainly be bare minimum, and in no way could I move to any Retirement type community for any length of time. Also, there is the problem if the lines go in, you would need 75 feet of my property to make sure the lines have the amount of land necessary for them to be installed...That would create a new problem as my well sits only 18 feet inside my lot line and I would need a new well, and all that goes with it for me to function here. So, it is fair to say this project destroys my future living conditions

14514-6 I understand there are many people in the same situation, and I am not unique, but since you do have alternatives that do not affect so many peoples lives, it seems only fair they should be implemented. This will destroy a lot of lives, land, etc. if this proposal is accepted. And I am thoroughly against it.

*Sincerely,
 Florence Brewer*

1 of 1

- 14514-1 BPA did read and review all comments received on the Draft EIS.
- 14514-2 Please see the response to Comment 14097-1.
- 14514-3 Please see the response to Comment 14328-5.
- 14514-4 Please see the response to Comment 14508-5.
- 14514-5 The proposed right-of-way would be contained within the vacant lot to the south and would not cross the commenter's property or well.
- 14514-6 Comment noted.

14515

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/16/2013 2:31 p.m.**

14515-1 | Hi my name is Sam Abendroth my address is . And I am requesting a
CD to be sent to my address please of the I-5 Corridor Project. Thank you.

14516

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 02/19/2013 10:09 a.m.**

14516-1 | Hi my name is Tammie Ferrell. I received a flyer in the mail. I need to change the address for the mailing. My husband and I have been divorced, and so I need it to be put in my name with my correct address on there. And then I was hoping to talk to somebody. Apparently my property in Castle Rock falls in the line of the power installation stuff. So I'm wondering if somebody is wanting to buy that piece of property, it's 10 acres, or approximately 10 acres. If you could call me back at . Thank you.

- 14515-1 BPA mailed a CD of the Draft EIS and other project materials to the commenter.
- 14516-1 BPA contacted the commenter, answered her questions about her property in relation to the Preferred Alternative, and changed her contact information as requested.

14517

GANG YUAN

02/15/2013

I am a resident in area 52 of I-5 corridor reinforcement project. I just heard about this project which plans to significantly increase the height & load of the power line in our very populated residential area. We would like to raise our serious concerns about the impact of such project.

The proposed change from 230kV to 500kV is very significant in high dense populated area. The existing studies showed and the residential population is at risk of lymphoproliferative and myeloproliferative disorders [1]. British research also indicated the children who lived in 667 ft had a relative risk of leukaemia of 1.69 (95% confidence interval 1.13 to 2.53) [2].

In addition, in a controlled study, eight out of 14 control studies showed a possible association between proximity to power lines and various types of childhood cancer. Of these, eight have reported positive associations between proximity to power lines and some form(s) of cancer. Four of the 14 studies showed a statistically significant association with leukemia [3]. Those data suggest that BPA's safety zone definition, particularly at 500kV load, is highly questionable. Furthermore, the proposed project by BPA has shown no real statistical data on human under 500kV condition.

14517-1

Given the human health and safety risks, I am asking you to consider the alternative by rerouting the power lines to rural area.

Reference

[1] R. M. Lowenthal, et al, Internal Medicine Journal 37 (2007) 614–619

[2] G. Draper, et al, BMJ 330 (2005)1290

[3] <http://www.lessemf.com/pamphlet.html>

Sincerely,

14517-1 Please see the response to Comment 14328-6.

14518

TIMOTHY E WEIHE

02/16/2013

- 14518-1 I strongly urge you to move Towers V/27P/1, P/2, P/3 and P/4 To the east approximately 990 feet to run due south of tower V/26. This will 1) Cost less. 2)Be shorter. 3) Most importantly, these towers will not have a devastating effect on the lives of several families. Tower V/27P/1 is 150 feet from one home and 300 feet from another. At 150 feet tall, you can imagine how it will effect the beautiful view that is now enjoyed and the decrease in home value. I live one lot over from these two lots and these towers will effect my view and home value as well. I see no reason why they cannot be moved further to the east.
- 14518-2 Thank you.

14519

MARY J HARRIS

02/18/2013

- 14519-1 Dear Sirs, As a person who lives right next to the existing line, I am relieved that you are NOT choosing the existing line as your preferred route. I am an active member of Stop Towers Now. I believe it is important to keep the proposed lines and towers away from as many people as possible. I wish you would have chosen the Grey line, because that would have impacted even less people. My biggest concern has always been the EMF exposure to children and am happy to know that you put value on keeping the lines and towers away from the many schools that lie near the existing lines.

14520

JAMES HARRIS

02/18/2013

- 14520-1 Dear BPA Management, As a person who lives right next to the existing line, I am relieved that you are NOT choosing the existing line as your preferred route. I am an active member of Stop Towers Now. I believe it is important to keep the proposed lines and towers away from as many people as possible. I wish you would have chosen the Grey line, because that would have impacted even less people. My biggest concern has always been the EMF exposure to children and am happy to know that you put value on keeping the lines and towers away from the many schools that lie near the existing lines.

14518-1 Please see the response to Comment 14097-1.

14518-2 Please see the response to Comment 14140-2.

14519-1 Comment noted.

14520-1 Comment noted.

14522

14522-1 Mark,
How tall are the towers that cross the Columbia River in Longview that are on the R/W that is near the Reynolds plant and Solo road?
Thanks,
Cheryl

1 of 1

14523

TOUTLE VALLEY COMMUNITY ASSOCIATION, DARCY J MITCHEM

02/20/2013

Corridor Reinforcement Comments on Draft EIS

14523-1 Like many people in Cowlitz County I feel that routes that avoid populated areas should be the focus. However, it is clear that the BPA has dismissed this option. Given that Cowlitz County has limited population and political influence when compared with the cities and regions that will benefit from the new line, I know we have little recourse or chance of changing the alternatives. Therefore my comments will focus on mitigation measures for the preferred alternative.

14523-2 1) Several times at various public venues I have asked that the possibility of using the corridor for recreation (hiking trail) be considered. I did not see this comment as part of the record. This corridor easement provides a rare opportunity to link communities along its route via a trail. Such a trail could mitigate the impact to recreation, visual quality, and socioeconomic impacts. Because the bulk of the affected counties are owned by a small number of industrial timberland owners, the likelihood of another opportunity to create such a trail corridor is remote. Government agencies, specifically the U.S. Forest Service at the Mount S. Helens National Volcanic Monument, have visionary plans to link the Monument with communities. Cowlitz County is also working to link communities with trails. Please consider adding trail corridor to any easement negotiations as part of the mitigation package.

2) Cowlitz County is currently planning two additional trails with the assistance of the National Park Service. Both of these trails would cross the line. The Kelso to Kalama Trail starts at Tam-o-Shanter Park and parallels I-5 frontage roads to Kalama. The other trail could someday follow the entire length of the Weyerhaeuser (now Patriot) Railway between Headquarters Land fill and Longview. These two routes should be added to the recreation maps, and the impacts of the line considered. Contact the Cowlitz County facilities director for specific locations of the proposed trails. Again, the possibility of sponsoring construction of portions of these trails could act as mitigation for the impacts of the power line.

14523-3 3) Stream crossings should be mitigated by the purchase of intact shoreline for habitat and public recreation. "Building" or "creating" wetlands or habitat does not have the same positive impact of outright purchase of intact areas. The southern shore of Silver Lake is essentially intact, and connects contains Washington Dept. of Fish and Wildlife acreage. Adding to these properties as part of mitigation makes fiscal and biological sense. Also providing the WDFW with a management fee for such areas is logical.

14523-4 4) The EIS basically dismissed hunting that occurs on private timberland because the lands are not enrolled with the WDFW. This is a huge mistake; and the impacts on hunting are by far the largest impact on recreation for the entire project. Ask any of the timberland owners (Weyerhaeuser, Longview Timber, DNR) about the popularity of hunting on these properties. The WDFW DOES have a cooperative agreement for hunting access on Weyerhaeuser land—it is just not one of the "official" programs mentioned in the EIS, and is tailor-made for Weyerhaeuser's St. Helens Tree Farm. The section of the EIS

- 14522-1 The BPA towers at the Longview crossing vary in height between 430 and 450 feet tall.
- 14523-1 Many members of the public urged BPA to limit impacts to private property and highly populated areas. BPA took that viewpoint, along with a variety of other factors, into account when identifying its Preferred Alternative in the EIS. Also please see Section 4.9 of the EIS.
- 14523-2 The Cowlitz Regional Trails Plan dated December 2006 evaluates existing and planned trail facilities in Cowlitz County and its associated communities. Reference to trail facilities being planned with the National Park Service was not found. According to Mike Karnofski at Cowlitz County, the Kelso to Kalama trail is in the trail master plan, but no trail has been put in place yet. It would use the shoulder of frontage roads, including old Hwy 99, but currently there are no dollars to fund this trail. The Patriot Railway to Headquarter Landfill trail is not in place; the rail is still being used to move solid waste from Weyerhaeuser to the County landfill. If abandoned, the County would like to make this part of the "rails to trails" but only discussions have happened thus far regarding if rail use stops. There is no Memorandum of Understanding or contract in place.

BPA considers trails and rights-of-way to be compatible recreation uses. The rights that BPA would be acquiring on new right-of-way, or the rights BPA already has on existing right-of-way, are for the operation and maintenance of the transmission line, and do not include rights for a trail system to be used by the public. BPA does have some existing trail systems within BPA's rights-of-way in some areas within the transmission system, but those are areas where BPA either owns all the land in fee, or where the underlying landowners have approved the trail being located on the subject property. BPA would be amenable to considering and reviewing a trail suggestion/proposal within any fee owned right-of-way, but use of any privately-owned lands would have to be reviewed and approved by the underlying fee landowners.

The maps in Chapter 6, Recreation, display existing facilities in the project area.

- 14523-3 Section 27.10, Clean Water Act, describes compliance with the Clean Water Act including taking all appropriate and practicable steps to avoid and minimize adverse impacts to waters of the U.S. To offset impacts that are unavoidable, BPA would provide compensatory mitigation in accordance with the Federal Compensatory Mitigation for Losses of Aquatic Resources Final Rule (33 CFR Parts 332, April 10, 2008). In both Washington and Oregon, compensatory mitigation options, in order of priority, include mitigation banks, in-lieu fee programs, and permittee responsible compensatory mitigation. BPA is currently reviewing all possibilities for mitigation including preservation. However, for direct impacts to wetlands, regulations require that impacts be mitigated by using creation or enhancement rather than preservation.

- 14523-4 that deals with the recreational impacts needs to be re-written to address the significant impact of hunting on private lands.
- 5) Acre for acre habitat should be provided for the impact of the power line. This requirement would be similar to hydroelectric dam relicensing which often requires the acquisition of replacement habitat (often administered and acquired with the help of partners) to mitigate losses. Currently the WDFW is actively seeking funds to acquire high quality habitat and unique recreation lands adjacent to Merrill Lake. As part of habitat mitigation, the BPA should partner with the WDFW in the purchase of this key property.
- 6) In areas where the power line negatively impacts a neighborhood, city, or economic hub, the BPA should be required to provide funds to beautify or enhance the livability of these areas with items such as pocket parks, trails and paths, native vegetation etc.
- 14523-5 7) The powerline will cross several scenic routes of national significance. There is no way to make these crossing visually pleasing or less intrusive. Therefore the BPA should sponsor mitigation projects that will enhance the appeal of these scenic byways in other ways, perhaps with a wayside, pocket park, trail section, or partnering with a larger project along the wayside. The BPA should also become a long-term partner in the marketing and economic development of such key areas (Mount St. Helens, Columbia Gorge, Lewis and Clark Historic park,)
- 8) All mitigation measures should be considered integral to the cost of the projects—even if they are not specifically required by law-- , and taken as a whole, would be insignificant when compared with the cost of the line itself. Most federal and state law focuses on impacts to habitat, endangered species, and wildlife—ie. Not people or the general public. Please consider the impacts to the communities and people, and act accordingly as a good neighbor. Provide mitigation for the permanent impacts these undisputedly undesirable structures will have on our quality of life and sense of place.

Darcy Mitchem

Toutle Valley Community Assoc.

—Recreation and Access chair

- 14523-4 Hunting seasons for specific game are identified in Section 6.1.5, Hunting, in Chapter 6, Recreation. As noted, generally the peak hunting seasons are fall and winter. Specific impacts on hunting are provided in the individual alternative discussions, and text changes to clarify seasonal construction impacts have been made to Sections 6.2.4.1, 6.2.4.3, 6.2.5.1, and 6.2.6.1. Text noting cooperative agreements between WDFW and private timber landowners for allowed hunting activities has also been included. New text also notes that Weyerhaeuser issues permits for hunting access on their lands.

Hunting impacts were not included under the Operation and Maintenance discussions of the alternatives because BPA does not anticipate that the operation of the project facilities, or occasional required maintenance along the right-of-way, would impact hunting to any identifiable level.

- 14523-5 Please see the response to Comment 14306-4.

14524

RICHARD A DAVIS

02/20/2013

Tower 18-29 is in wetland area near a spring and a creek. This tower can be moved south 2000 ft to avoid wetland. The spraying of herbicides in wetland areas is offensive.

Tower 18-28 is in wetland stream area. this tower can be moved south also. There is already a road system to support this tower if it is moved south.

14524-1 Tower 18-28 is near beaver pond in wetland area. This tower can also be moved south. There is already a road system to support this tower if it is moved south.

Building a road system as proposed to support 18-29 18-28 18-29 will destroy much wetland and is completely avoidable. Mitigation for this loss would be a waist of taxpayer money.

These towers can avoid wetland by being located further south into state land.

For 2 years I have asked for a meeting with BPA right here on the ground at these locations.

14524-2 Mark Corsness has agreed to meet me but has not set a date. I have requested to meet before the deadline is up for public comments.

This issue needs to be resolved.

14524-3 Comment period needs to be extended until after this meeting takes place

14525

ILENE L BLACK

02/20/2013

14525-1 The Preferred Route is a much preferred route for us. The K Route would have had a financial impact on many in the area, on the financial effect on our emergency services, fire and ambulance. These services are supported by a tax levy and taking property would also effect a much needed income. We are in our 80's and cannot recover from a drastic change on our environment, health and monetary needs.

- 14524-1 Please see the responses to Comments 14097-1 and 14119-2.
- 14524-2 BPA contacted the commenter and discussed his concerns. Please see the response to Comment 14524-1.
- 14524-3 In response to public comment, BPA extended the comment period until noon March 25, 2013.
- 14525-1 Please see the response to Comment 14291-3. Segment K is not part of the Preferred Alternative.

14526

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

BPA's Proposed I-5 Corridor Reinforcement Project Draft environmental impact statement comment form

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Name (will be included with your comment in the final EIS) William Sayer

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14526-1

"I thoroughly appreciate the forward thinking of the B.P.A. - Knowing the impact of a growing population through out the entire continent. If we have "the Grid" in place for future draw- we can use it immediately; from Nuclear - Hydro - Coal - or(?). We may lose a few homes... but the benefits are stupendous!"

(Please correct my Spelling, and Sgtyzthzker!)

William Sayer

Comment period extended until noon on March 25, 2013



1 of 1

14526-1 Comment noted.

14527

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

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Name (will be included with your comment in the final EIS) Gerald Ellis

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14527-1

Why NOT use the rightaway and towers you already have? Towers now have from three to nine lines on them. Fill them up. MAKE use of what you have. Just add more lines to towers already up. SAVE all the waste of time, monies and studies, make full use of what you have

Gerald Ellis



1 of 1

- 14527-1 Section 4.7, Alternatives Considered but Eliminated from Detail Study, describes alternatives that use existing towers and rights-of-way. See also the response to Comment 14460-1.

14528

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

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Name (will be included with your comment in the final EIS) Robert Seth, Kristina Seth

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14528-1

Although no current routing of power lines crosses our properties, one of the initial proposals probably did, or came very close. This caused us to seriously consider the impacts such disruption would have on our lives, and makes us now have tremendous sympathy for the many families who will probably be impacted by the current recommendations. On their behalf, we wish to strongly urge you to site your power line corridors either in an area already designated for that use, next to the current power lines, or - a much better alternative - site them in the entirely uninhabited lands to the east.

14528-2

Regardless of what various scientists and their studies may report, we have learned through more than two decades of daily experience that wildlife is in no way harmed or discouraged by something like a power transmission corridor. We live in the forest in the foothills of the Cascades at an elevation of 1000 feet, five miles east of the Gifford Pinchot National Forest. We have been here for twenty-one years and raised our two sons here. Wildlife of all kinds is abundant, from butterflies and frogs and Giant Pacific Salamanders to Pileated Woodpeckers and a host of other birds, to a wide variety of mammals. Winter Wrens and Violet-green Swallows nest in our buildings; deer and coyotes help themselves to our property and prefer traveling via our gravel road. While out horseback riding one winter, the tracks of a bobcat were clearly visible in the snow.



1 of 2

14528-1 Please see the response to Comment 14110-1.

14528-2 Comment noted.

- 14528-2 where it had used the trail for several miles rather than bushwhacking across country. We have seen elk here, and various neighbors have encountered cougars and bears near their homes.
- 14528-2 Twenty years of daily experience living within the forest has showed us that animals of all kinds, from insects to bears, are in no way deterred from living happily in close proximity to the sort of mostly-uninhabited, nicely-cleared corridor the powerlines would provide. We strongly believe building the transmission corridor in an unsettled (by humans) area would be well worth the extra cost in comparison to the turmoil that will otherwise be caused in the lives of many people.
- 14528-3 Many have expressed the opinion that the selection process for the route of the line is a sham. They have said it's being done purely for show, to look as though BPA is doing the right thing even though there was never any intention to be swayed by the concerns of the individuals who will be impacted. Others have suspected that BPA has been bribed by big timber companies to keep the lines off their uninhabited lands. Whatever the truth may be, we felt we ought to express our beliefs when asked to do so. We'll have to accept whatever decision is made by the all-powerful BPA in the end, but we're at least done something more than grumble silently to ourselves.

Thank you for taking the time to give us your thoughts and help shape the future of this project. You are welcome to include additional pages as needed.

Forms and comments may be submitted in these formats:

Mail
I-5 Corridor Reinforcement Project
PO Box 9250
Portland, OR 97207

Email
I-5@bpa.gov

Phone
800-230-6593 (voice mail)

Fax
888-315-4503

Online
www.bpa.gov/goto/i-5

At public meetings
Place completed form in a comment box or give to a staff member

- 14528-3 BPA believes it is critical to inform and engage the public as we evaluate the project. Feedback is used to modify alternatives, identify project impacts and help determine ways BPA can minimize or avoid some of those impacts.

14529

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

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Name (will be included with your comment in the final EIS) Jo Ann Thomas

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

I am writing regarding your access for construction of towers V20 & V21 off NE 254th St Yacolt, WA which is a private one land graveled road.

There are three permanent residents on 254th which is used for egress and ingress.

If your equipment is on this private road when a resident needs to use it to get to Dale Valley Rd or get home what plans do you have as there is no place to pull over.

I, for one, would not be able to back up due to severe arthritis of the neck

Also, what plans do you have for the road to sustain heavy equipment traffic?

14529-1



1 of 1

14529-1 Please see the response to Comment 14119-2.

14530

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

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Name (will be included with your comment in the final EIS) Tim Lohnes

Address _____

Please add me to the mailing list Please remove me from the mailing list

Comments:

14530-1

as a property owner (5ac) on the selected #35 Route, I wanted to voice my disagreement with your preferred alternative. BPA has not convinced me of the need or demand for a new route/sub-station. Your existing route should be upgraded first before negatively impacting additional land owners.

14530-2

If this alternative is approved I will be disappointed. My 5 ac parcel, neighborhood, and the reason I moved there will be impacted severely. I planned to build my dream house w/ the view of Mt Hood. Now that dream will die as I will be forced to view power lines as well as recreate in an area of severe magnetic fields.

14530-3

I would like to have someone contact me to understand how I will be compensated for the loss of my dream, view recreation, health, noise, and homeownership land use and aesthetics.

I can be reached at the above address or by calling _____

Sincerely,
Timothy E. Lohnes



1 of 1

- 14530-1 Chapter 1 describes the need for BPA to increase the electrical capacity and transfer capability of its transmission system to respond to the increasing congestion on this system and growing system reliability concerns.

BPA considered double-circuiting the entire 500-kV line. BPA also considered double-circuiting short sections of the 500-kV line, to avoid wetlands or other resources. Placing portions of the proposed transmission line on double-circuit towers provides less reliability than a new single-circuit line.

Section 4.7.8, Double-circuiting the I-5/Ross-Lexington Transmission Lines discusses why double-circuiting all or portions of the existing transmission corridor has been considered but eliminated from detailed study in this EIS.

- 14530-2 Please see the response to Comment 14328-5. Chapter 6, Recreation, describes the potential effects of the project on recreation. Chapter 8, Electric and Magnetic Fields, discusses the potential impacts related to electric and magnetic fields.

- 14530-3 BPA contacted the commenter and provided information about his concerns.

14531

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

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Name (will be included with your comment in the final EIS) Peter T. and Jane M. Revesz

Address

Please add me to the mailing list

Please remove me from the mailing list

Comments:

To BPA:

14531-1 We are small forest landowners and our timberlands are directly impacted by your proposed line and proposed roads to and on our property. We are owners of productive forestland. The proposed roads, power line and easements would have harmful impact on the sensitive Creeks and their wetlands, that bisects our property. We have attempted to get information to assist us in analyzing the DEIS and how it would affect our properties. We still are waiting as of today, January 29, 2013, for the interpretation of coding that identifies fish creeks in the DEIS. In at least two of your tables in the DEIS one cannot identify a watershed or wetland from any other in Clark and Cowlitz County. The DEIS information needed to evaluate our position and submit our comments takes time to accumulate. We need time and weather conditions to allow for on-the-ground fact-finding, subsequent analysis of the power line, its ROW, access roads, and habitat for fish and wildlife, vegetation, etc.

14531-2

14531-3

We strongly request an extension of the COMMENT PERIOD on the I-5 Corridor Project DEIS for at least 90 days.

Peter and Jane Revesz



1 of 1

- 14531-1 Comment noted.
- 14531-2 Please see the responses to Comments 14097-1 and 14119-2. Neither the transmission line right-of-way nor access roads are proposed on your property. Please see Chapter 15, Water, Chapter 16, Wetlands, Chapter 19, Fish, and Appendices L and K for information about potential impacts to aquatic resources.
- 14531-3 Information requested by the commenters was provided in February 2013. In response to public comments, BPA extended the comment deadline to noon, March 25, 2013.

14532

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

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Name (will be included with your comment in the final EIS)

Brian D Lynch Craig D Lynch

Address:

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14532-1

From Merwin Dam to Columbia Tie Rd on line 18 private property encroachment could be greatly minimized if the line were shifted to the north of the existing P.P.&L rather than the south. D.N.R lands to the north of the line have been more recently logged than private tree farms to the south which would require less sight preparation, and more than likely less impact in stream crossing areas.

Personal issue

14532-2

On line 18 a proposed access road to tower 18/12 bisects a parcel of my property. There are two other ways ~~to~~ to this location, one is an existing haul road through my property to the east the other is to improve the road on P.P.&L ROW from 18/13 to 18/12. Any new roads from public roads to the line location increase problems

14532-3

of trespass and vandalism both for property owners and BPA.



1 of 1

- 14532-1 Please see the response to Comment 14097-1.
- 14532-2 Please see the response to Comment 14457-2. Potential acts of vandalism at BPA facilities are discussed in Section 10.2.2.2, Operation and Maintenance.
- 14532-3 Please see the response to Comment 14457-2. Acts of vandalism are discussed in Section 10.2.2.2, Operation and Maintenance.

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COMMENTS REGARDING...

I-5 CORRIDOR REINFORCEMENT PROJECT
PREFERRED ALTERNATIVE
CENTRAL ALTERNATIVE USING OPTION 1
NOVEMBER 2012

14533-1

The following comments are from Kathie and Allen Aaseth. We reside at _____, We are located south of the proposed alternative line section 18 between towers 18/4 and 18/5. We submit the following comments for your consideration.

Please see copies of map section attached. These copies are numbered Map Sheet 1 through Map Sheet 6.

- **Map Sheet 1:**
 - Please see the extension of Hedlund Road that is circled. This road does not exist. Hedlund road follows the black and yellow dashed line ending at the driveway of the Craig Lynch family.
- **Map Sheet 2:**
 - The yellow and black dashed line which I have circled is not following Hedlund Road exactly. We have noted on the map the correct location of Hedlund Road.
- **Map Sheet 3:**
 - See the red access road that is circled. There is no need to create this access road to the proposed power line. See existing access road noted on map. This is a private road which comes off the driveway owned by Ron Kallgren. This is presently used by PP&L power and their contractors to access the existing power line. This gives complete access to the existing power line clear to Hedlund Road. There is no need to create further access roads to this section of the power line.

14533-2

14533-1 Comment noted.

14533-2 Please see the response to Comment 14119-2.

- 14533-2
- **Map Sheet 4:**
 - See the short-cut road indicated by black and yellow dashed lines which I have circled on the map. This is a private shortcut road owned by us. There is no need for you to use this short cut road for access to the new proposed power line.
- 14533-3
- **Map Sheet 5:**
 - We have a serious concern expressed on this map. We have noted on the map the year-around creek that comes from a natural spring between our property line and the existing power line. This creek passes close by our water well which provides drinking water for our home. This creek flows into Pup Creek and then Cedar Creek feeding the North Fork Lewis River. We are very concerned with any construction or land clearing efforts in the vicinity of this creek and spring which could damage this water supply and adversely affect our home water supply.
- 14533-4
- **Map Sheet 6:**
 - We have a serious concern expressed on this map. We have noted on the map the year-around creek that follows Hedlund Road downstream to a point just south of the existing power line where it crosses under Hedlund Road and flows through our property. This is a larger creek which also feeds Pup Creek, Cedar Creek, and eventually the North Fork of the Lewis. You will be required to remove some large fir trees which presently shade this creek. There is no understory at present to shade this creek once the large fir trees are removed.
- 14533-5
- The present PP&L power line right of way is an attractive nuisance and has been for all the years we have lived here. The cleared right of way is frequented by bike and quad riders as well as hunters during hunting season. Placing your new power line next to this existing PP&L power line will widen this clearing making this even more attractive. And placing your new power line to the south of the existing power line will eliminate the barrier we presently have between the existing right of way and our property line. Should you choose to run your new power line to the south of the existing power line and thereby eliminating the barrier we have with the existing power line, we will expect that you will provide us with a barrier in the form of an effective fence

14533-3 Section 15.2.2.1, Construction, discusses impacts of the construction of the transmission line, including potential impacts to stream hydrology. Localized disturbance from temporary construction activities would be mitigated by implementing erosion control measures and best-management-practices (BMPs) to minimize the amount of sediment delivered to streams, including installing and maintaining water and sediment control measures at all water bodies (including dry water bodies) crossed by access roads or otherwise impacted by surface disturbance.

14533-4 As proposed, large fir trees would need to be removed for safe operation of the transmission line. This will impact riparian function at that crossing.

BPA is addressing mitigation of aquatic impacts from reduced/removed riparian buffer zones through an analytical and field approach. The approach combines a GIS assessment of channel and landscape characteristics that when combined with known resource distributions will be the basis for a sensitivity analysis to identify mitigation needs. BPA anticipates that some mitigation will occur on-site and some off-site. The degree of mitigation and exact measures prescribed for each riparian crossing impacted will depend on the level of impact and particular sensitivity identified through the analysis.

BPA will continue to work with regulatory agencies to develop appropriate riparian mitigation.

See also the response to Comment 14523-3.

14533-5 Potential impacts from unauthorized access on new right-of-way is described in Section 5.2.2.2, Operation and Maintenance. Impacts could be low-to-high. Section 5.2.8, Recommended Mitigation Measures, includes a measure to work with private landowners to control unauthorized access. Please see the response to Comment 14242-1 for information about liability. See also the responses to Comments 14357-2 and 14457-2.

14533-5

line along the north side of our property line. Certainly this issue would not exist should you choose to run the new power line to the north of the existing PP&L power line.

- We are assuming that the southern edge of your right of way being run to the south of the existing power line will not cross onto our property. Should this not be true and should your new right of way cross onto our property, we have a question concerning liability for injuries occurring in this area. You would be creating an attractive nuisance on our property that does not presently exist.

Our proposal:

14533-6

- If the final decision is made to include route 18 in the routing of the new power line, we strongly suggest that you consider running the new power line to the North of the existing power line. We submit the following arguments to support this proposal:
 - Between Merwin Dam and the end of Grinnell Road, you have three households who will be adversely affected by this power line being run to the south of the existing power line. Between Merwin Dam and the end of Grinnell Road, there are no households who will be adversely affected by running the new power line to the north of the existing power line.
 - You would avoid any issues with damage to the natural spring above our property that passes close to our water source.
 - You would have no issues with the larger creek which passes under Hedlund Road by needing to remove the large fir trees which shade this creek. The area north of the existing power line was logged some years ago and the understory was left in place protecting the creek. Running the new power line across the creek in this area would have no detrimental effect to the creek.
 - All three households being affected on this map section presently have a visual buffer to the existing power line. If you run the new power line to the north of the existing line, we maintain this visual buffer. If you run the new line to the south of the existing power line, we all lose this visual buffer. Your new line and right of way will come extremely close to our property lines.

- 14533-6 Please see the response to Comment 14097-1. Through further design, several towers have been moved out of your direct view but one tower remains right on top of a ridge where the ground slopes off on both sides. BPA continues to study this area to determine what danger trees outside of the proposed right-of-way would need to be removed. BPA's intent would be to retain as many trees as safely as possible outside the right-of-way to help maintain some visual buffer for you and your neighbors.

Please see the response to Comment 14331-2 regarding noise.

Section 8.2.2.4, Electromagnetic Interference, describes potential impacts from electromagnetic interference. The radio noise from a transmission line is highest at low frequencies and decreases very rapidly with increasing frequency. Radio noise does not typically affect systems that operate at a frequency above a few megahertz. Most satellite internet services operate at frequencies in excess of 1 gigahertz and will therefore be completely unaffected by radio noise from transmission lines. AM radio may sometimes be affected in limited areas near a transmission line, but virtually all other radio communications take place at much higher frequency and will be mostly unaffected by radio noise from transmission lines. BPA does not believe that there would be any interference with any broadcast television communications. However, BPA has an active program to identify, investigate and mitigate any legitimate radio and television interference complaints. BPA believes any instances of television interference caused by the proposed line could be effectively mitigated. A mitigation measure that addresses this impact is in Table 3-2, Mitigation Measures Included as Part of the Project.

14533-6

- We don't know about noise from the new power line but the same arguments would hold true regarding noise from the new power line that running the new line to the north would be far enough away from our homes that we would not be affected.
- We don't know about electrical interference with things like TV reception or satellite reception. The same arguments hold true regarding this concern should you choose to run the new power line to the south of the existing power line.

Closing comments:

14533-7

- We understand the need to reinforce the power grid. We also understand that no-one wants to see the new 500kva power line in their back yard. By selecting this alternative route as preferred, BPA has chosen to not select the least costly option nor to select the option least intrusive of private land owners. This is unfortunate.
- Our concerns stated above are real. It may be inconvenient to run the power line to the north of the existing power line in our area but this should be considered. BPA has a responsibility to the environment and to tax-payers like ourselves. All efforts should be taken to minimize the impact on the environment and impact to small landowners like ourselves.
- If you choose to run the new power line to the south of the existing power line, then the new power line will be very visible from our home and from the homes of our two neighbors. This will adversely affect our property values. Your cleared right of way and the power lines and towers will be right next to our homes and very visible. You can avoid this by running the new power line to the north as we presently have a visual barrier blocking the existing power line from our view.
- We request that you take our comments seriously and make the prudent choice by re-locating the new power line shown on this option 1 to the north.
- Thank you for your consideration.

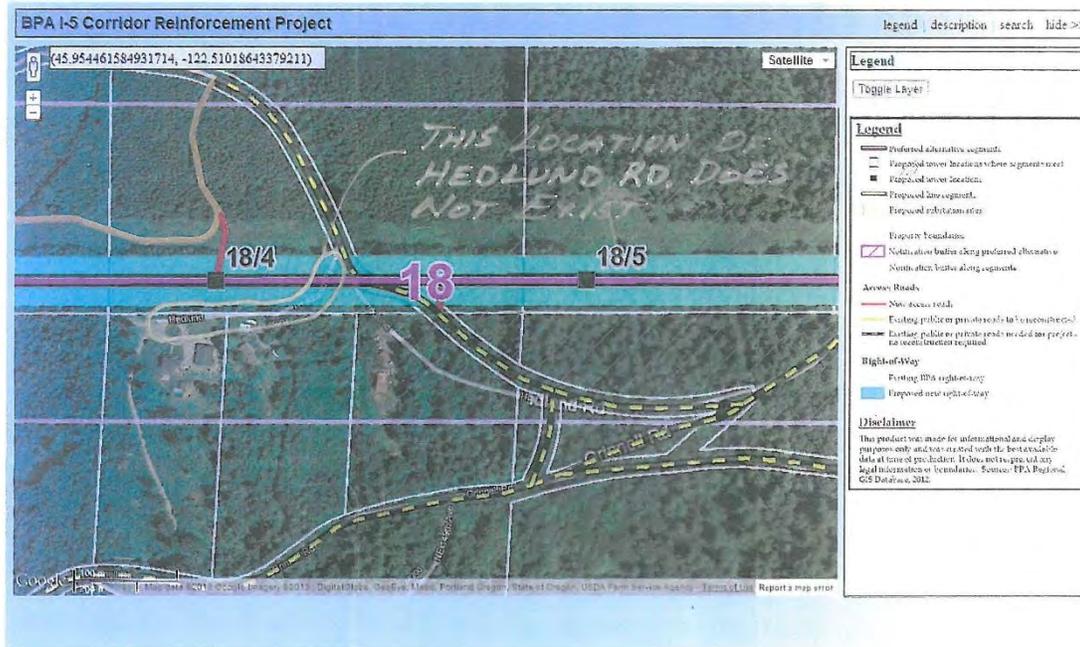
14533-8

14533-7 Comment noted.

14533-8 Please see the responses to Comments 14140-2 and 14533-6.

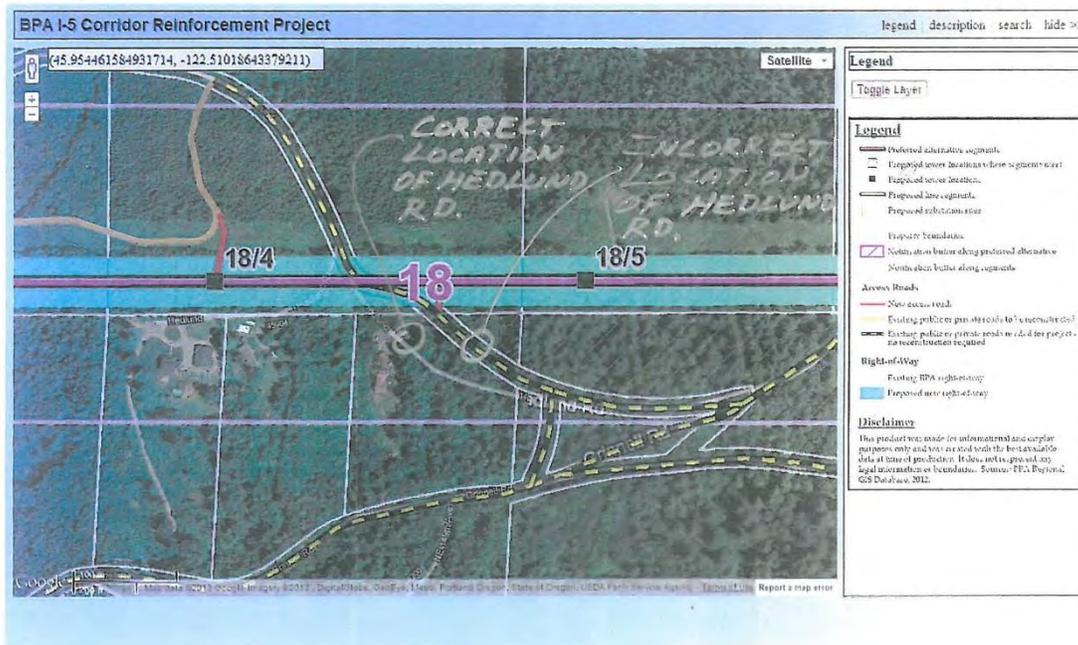
14533

MAP SHEET #1



14533

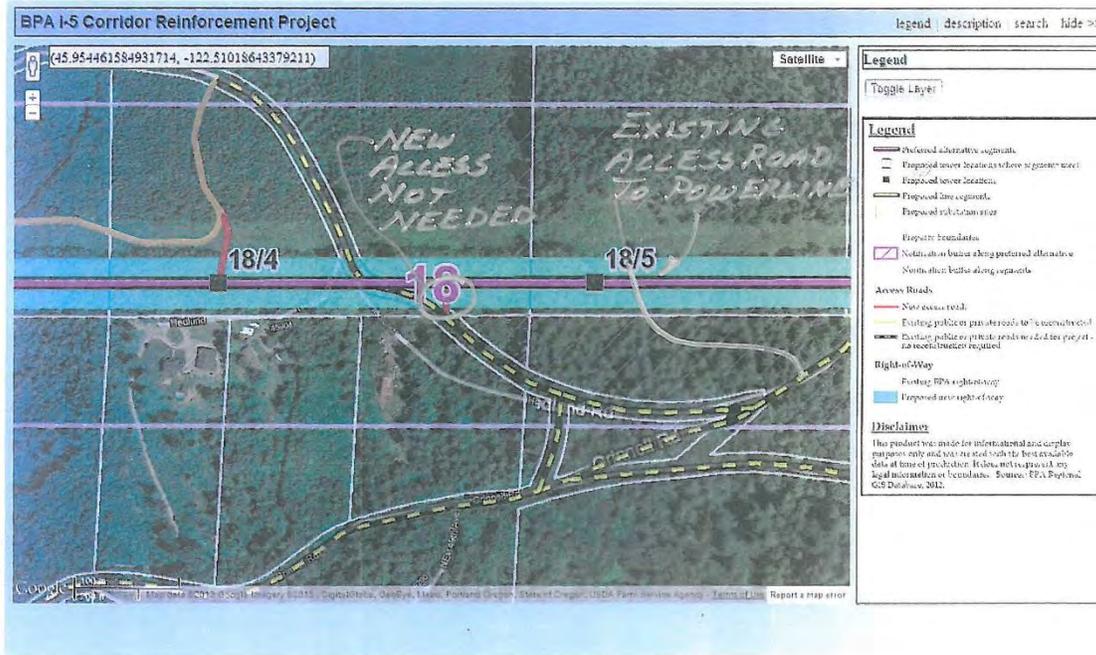
MAP SHEET #2



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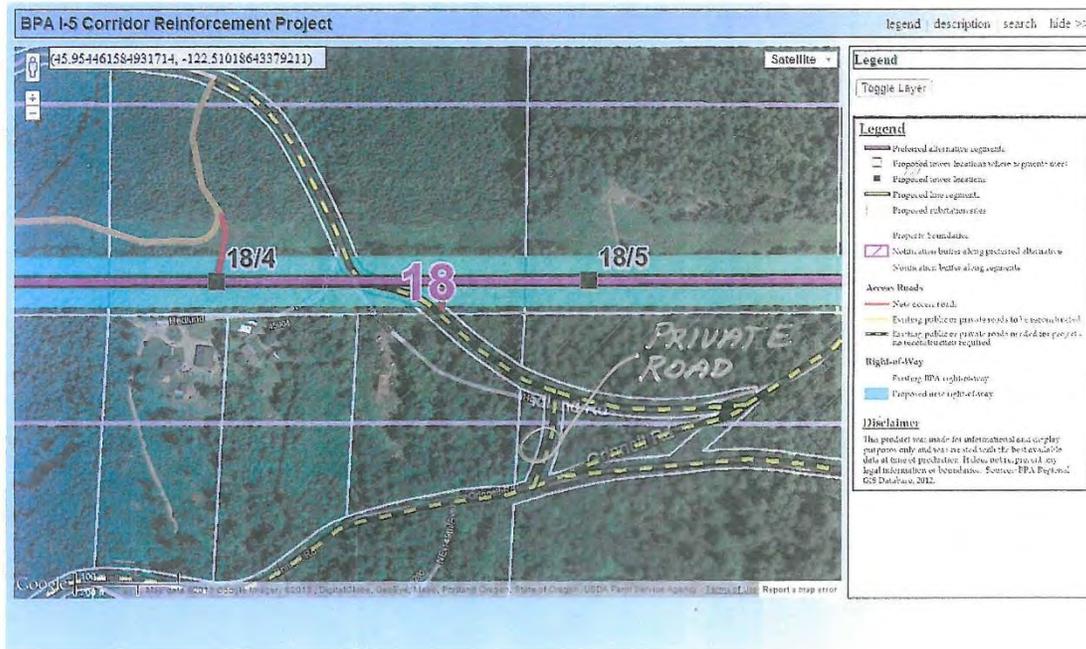
14533

MAP SHEET #3



14533

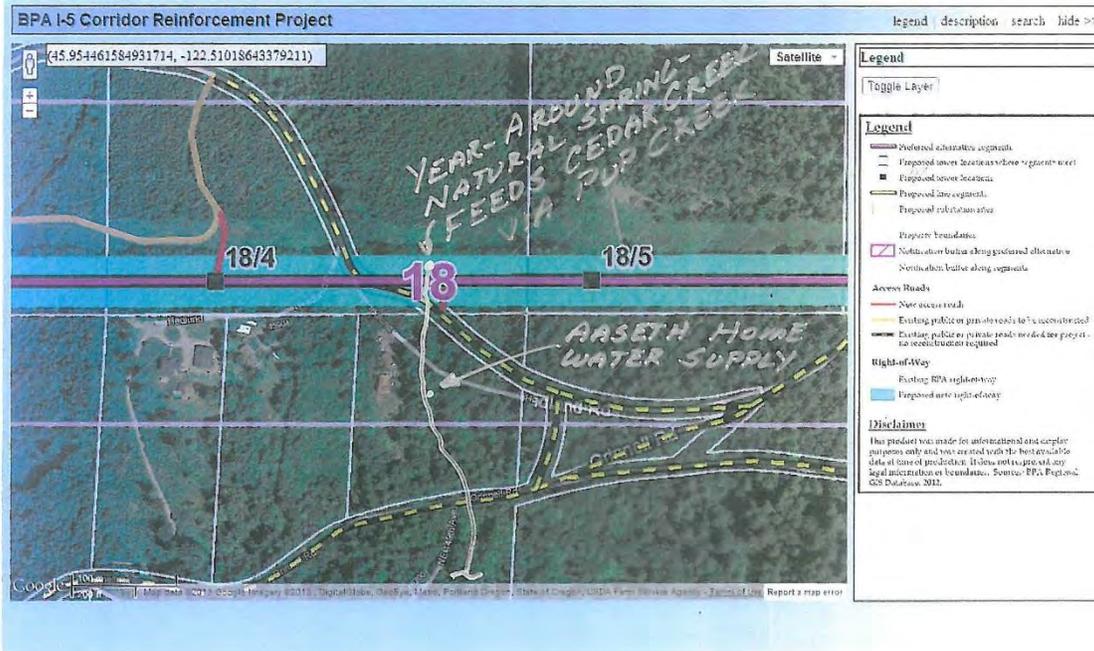
MAP SHEET #4



9 of 11

14533

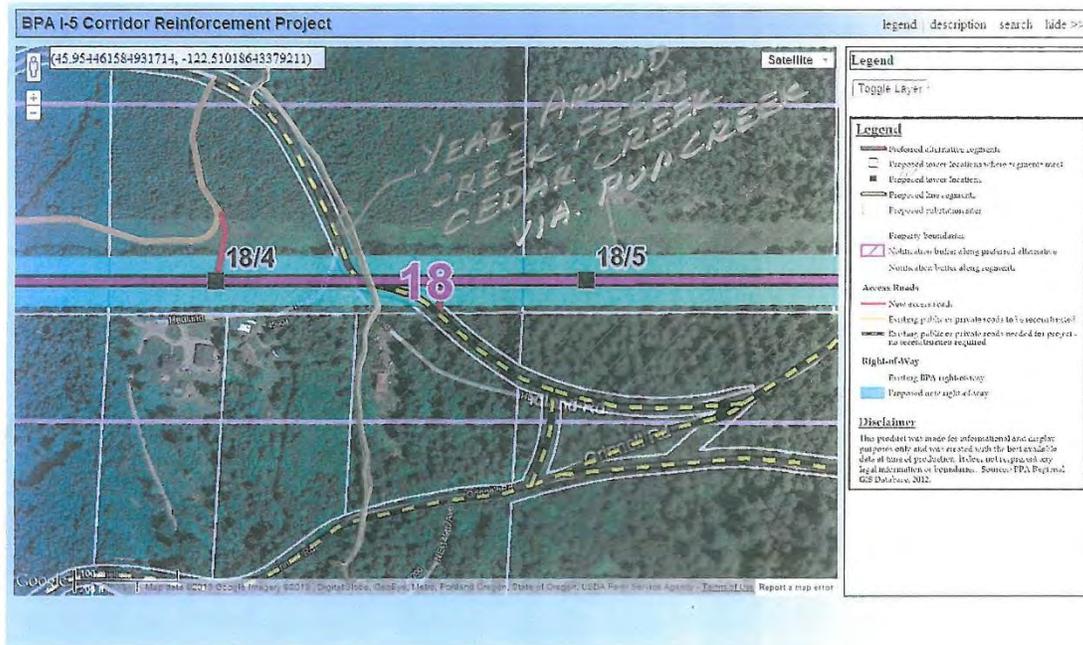
MAP SHEET #5



10 of 11

14533

MAP SHEET #6



11 of 11

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

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Name (will be included with your comment in the final EIS) MICHAEL B. CARLSON

Address _____

Please add me to the mailing list

Please remove me from the mailing list

Comments:

14534-1 MY COMMENTS ARE GENERAL IN NATURE WITH THE EXCEPTION OF THIS. MY PROPERTY IS SERVICED BY WAY OF A MAN MADE DAMN & GRAVITY FLOW WATER LINE THAT LIES BEYOND MY PROPERTY TO THE N.E. WITHIN THE S.W. QUARTER OF THE N.W. QUARTER OF SECTION 32, TOWNSHIP 10 NORTH, RANGE 2 WEST OF THE WILLAMETTE MERIDIAN CONTAINING APPROXIMATELY 3 ACRES MORE OR LESS. ANY CONSTRUCTION ABOVE THIS AREA MAY POTENTIALLY DAMAGE THE WATERSHED & OR STREAM ULTIMATELY DESTROYING A KNOWN & EARROUND WATER SUPPLY WHICH HAS BEEN USED & MAINTAINED BY MYSELF FOR YEARS & BY MY GRANDPARENTS BEFORE ME.

14534-2 I'M ALSO CONCERNED THAT THE CONSTRUCTION OF THIS 500,000 VOLT TRANSMISSION LINE WHILE NEEDED WILL RENDER MY PROPERTY LESS DESIREABLE RESULTING IN A DECREASE IN PROPERTY VALUE.

14534-3 MY FINAL COMMENT RELATES TO ANY POTENTIAL MEDICAL OR HEALTH RISK ASSOCIATED WITH INDIVIDUALS WHOM HAVE HAD LONG TERM EXPOSURE TO THESE 500K VOLT LINES NOT TO MENTION INTERFERENCE WITH ELECTRONICS & SIGNALS I.E QUALITY OF LIFE, DUE TO THE FACT THAT



14534-1 Please see the response to Comment 14533-3.

14534-2 Please see the response to Comment 14140-2.

14354-3 Please see the response to Comment 14328-6.

The EMF information specific to your area can be found in Table 7 and Figure 2 of Appendix F for Segment F; in Table 39 and Figure 98 of Appendix F, for Segment C; and in Table 40 and Figure 101 of Appendix F, for Segment D.

The radio noise from a transmission line is highest at low frequencies and decreases very rapidly with increasing frequency. Radio noise does not typically affect systems that operate at a frequency above a few megahertz. AM radio may sometimes be affected in limited areas near a transmission line, but virtually all other radio communications take place at much higher frequency and will be mostly unaffected by radio noise from transmission lines.

BPA has an active program to identify, investigate, and mitigate radio and television interference complaints.

14534-4

I AM NOT AN EXPERT IN ANY OF THESE
FIELDS I INTEND ON SPEAKING WITH AN ATTY.
OR ATTORNEYS OR OTHER LEGAL EXPERTS WHO
CAN ADVISE ME APPROPRIATELY AT BPA'S EXPENSE, IF
POSSIBLE, LET ME KNOW HOW I SHOULD GO ABOUT
DOING THIS. THANK YOU FOR TAKING THE TIME
TO READ MY LETTER.

SINCERELY

Michael Carlson

MICHAEL B. CARLSON

Thank you for taking the time to give us your thoughts and help shape the future of this project. You are welcome to include additional pages as needed.

Forms and comments may be submitted in these formats:

Mail
I-5 Corridor Reinforcement Project
PO Box 9250
Portland, OR 97207

Email
I-5@bpa.gov

Phone
800-230-6593 (voice mail)

Fax
888-315-4503

Online
www.bpa.gov/goto/i-5

At public meetings
Place completed form in a comment box or give to a staff member

- 14534-4 BPA contacted the commenter and advised that while he is free to seek legal advice, doing so would be at the commenter's expense as BPA does not cover such expenses.

14536

ANGELA S POND

02/22/2013

14536-1 As a land-owner with property adjacent to the proposed Central Corridor pathway, I am voicing concerns and objections for this project. The transmission towers are unsightly, noisy, environmentally dangerous and possibly damaging to health. The Central Corridor is NOT the best alternative. It is imperative these towers (if they must be built in WA at all) should be placed in totally unpopulated areas much farther to the East.

14537

KRISTIN FLEISCHAUER, MARK A FLEISCHAUER

02/22/2013

14537-1 Thank you for your outreach to the community and your willingness to solicit and consider additional comments on the draft EIS. In light of the high population and concentrations of school children (and the lack redundancy) on the West Alternative, we applaud BPA's decision's to not designate the West as the preferred routing for the transmission lines. Our family encourages you to continue to evaluate

14537-2 additional options which maximize routing through unpopulated areas and to further minimize and mitigate exposure to any populated areas which remain on BPA's preferred route. Thank you for your consideration.

14536-1 Please see the responses to Comments 14110-1, 14289-3, and 14395-2.

14537-1 Comment noted.

14537-2 Please see the responses to Comments 14110-1, 14289-3, and 14395-2.

14538

HAROLD L. STEIN

02/23/2013

14538-1

I/We would like to recommend that BPA look most favorably at the eastern route as the least disruptive to wetlands, highly populated and environmentally sensitive areas of the other routes. This eastern route will also keep the large transmission towers and lines over and in an area of open, mostly unoccupied land. There is a high concentration of residential and commercial occupancy along any other of the proposed routes and the effect on property values and the possibility of health issues which could be related to the EMF radiating from the lines could be avoided and/or minimized by adopting the eastern corridor; it also provides a more direct, shorter line of transmission since the termination is planned to be in Troadale. Thank you for this opportunity to express this point of view.

14538-1 Please see the responses to Comments 14110-1, 14289-3, and 14395-2.

14539

KENNETH M WOOD

02/23/2013

14539-1

The 350 plus home owners on the Central Alternative should not be exposed to the high levels of EMF any more than the thousands of families on the West Alternative and BPA should build the line in UNPOPULATED areas. you can not affect our health it is unfair!!

14539-1 Please see the response to Comment 14328-6.

14540

GREGORY S MILLER

02/23/2013

14540-1 I Live on the West Alternative/the existing right of way. I know for a fact this has a lot of wetlands. My wife and I spend time walking it weekly and see all different kinds of wildlife, box turtles, blue heron, porcupine, various raptors, deer, skunk just to name a few. Your idea of not putting all your eggs in one basket is a good one (take that beast east).

14540-2 Poor transmission reliability due to existing adjacent towers, lines and wellheads located in the area and terrorism are just some of the reasons. This will put an overwhelming number of families exposed to

14540-3 close, long term doses of EMF due to close proximity to high voltage lines near homes, schools, day care centers, etc. putting the publics health at risk. My family will be closer then 500 feet since we built our new home on the back of the property. I built my dream home and the thought of looking at these huge

14540-4 ugly towers makes me sick, who is going to compensate all the people that have built a life around the nature aspect only to be forced into looking at these ugly steel tower. The Devaluation of property within site of the 15 to 25 story towers and 500 kv high voltage lines is not acceptable. I can not believe

14540-5 there is not a better way to do this 350 plus home owners on the Central Alternative should not be exposed to the high levels of EMF any more than the thousands of families on the West Alternative and BPA should build the line in UNPOPULATED areas.

14540-6 Many lives are at stake, there needs to be a better reason then what I have heard at the meetings I have attended. This was pushed on the people of Washington State without proper study of possible routes

14540-7 in Oregon, shame on you Steven Wright. He is retiring from a postion that he totally abused his power in, good riddance to a guy like this we don't need them. The tax base reduction from the additional land required for the existing right of way is \$22 million per year at today's values, growing to \$90 million in 2030. Every person who pays property taxes will see a significant permanent increase to their tax bill and that amount will increase every year. This is a lose lose lose as I see it. Greg Miller

14541

KIRK A MILLER

02/23/2013

14541-1 I oppose putting lines on the West Side. We have excessive wetlands on this route that it could impact. We have a large amount of families along this route and it would impact the least amount of people. Families should not be exposed to EMF levels if at all possible. Impacting the least amount of people is most forward thinking.

- 14540-1 Comment noted.
- 14540-2 As the commenter implies, BPA's Preferred Alternative is not the existing route, the West Alternative. Though all action alternatives would meet the electrical requirements and transmission planning standards BPA follows, the West and Crossover alternatives would site more of the new line adjacent to BPA's existing transmission system, which inherently decreases reliability because it increases the likelihood of losing more than one line at a time.
- 14540-3 Please see the response to Comment 14328-6.
- The EMF information specific to your area can be found in Table 16 and Figure 29 of Appendix F.
- 14540-4 Please see the response to Comment 14140-2.
- 14540-5 Please see the response to Comment 14328-6.
- 14540-6 Please see the response to Comment 14443-1 regarding the elimination of the Pearl Routes from detailed study in the EIS. See also the response to Comment 14443-5 regarding the potential for the project to affect human health and safety.
- 14540-7 Please see the response to Comment 14291-3.
- 14541-1 Comment noted.

14542

LISA A MILLER

02/23/2013

- When I learned that the proposed route wasn't my route I was relieved. I realize the decision not to use the existing route could change. Here are reasons why the existing route shouldn't be used:
- 14542-1 There are wetland areas at the end of my property along the existing lines. I see herons, box turtles, birds of prey, etc. Building another set of lines along the existing route, or modifying the lines to carry the 500KV would be foolish. Earlier in the meeting one of the BPA people stated BPA Excessive wetlands
- 14542-2 2. Poor transmission reliability due to existing adjacent towers, lines and wellheads located in the area
- 14542-3 3. An overwhelming number of families exposed to close, long term doses of EMF due to close proximity to high voltage lines near homes, schools, day care centers, etc. putting the public's health at risk
- 14542-4 4. Aesthetic devaluation of property within site of the 15 to 25 story towers and 500 kv high voltage lines
- 14542-5 5. The tax base reduction from the additional land required for the existing right of way is \$22 million per year at today's values, growing to \$90 million in 2030. Every person who pays property taxes will see a significant permanent increase to their tax bill and that amount will increase every year.
- 14542-6 We encourage you to state in your comments that the 350 plus home owners on the Central Alternative should not be exposed to the high levels of EMF any more than the thousands of families on the West Alternative and BPA should build the line in UNPOPULATED areas.

14542-1 Please see the response to Comment 14540-2.

14542-2 Please see the response to Comment 14328-6.

14542-3 Please see the response in Comment 14140-2.

14542-4 Please see the response to Comment 14291-3.

14542-5 Please see the response to Comment 14328-6.

14543

STEVE C RAPALUS

02/23/2013

14543-1 The BPA I-5 Corridor Reinforcement Project towers should be place as far east as possible, through unpopulated lands. EMF will someday be understood to be far more dangerous than some now think. Humans are part of the "environment", so any EIS must consider the impact on humans at least as much as any impact on plants, animals, wetlands, etc.

14543-2 If anyone makes a profit in any way due to the new lines, they should pay to have the lines put in remote areas where people don't live. If there is no profit to be made, then all electrical customers should pay more to have the lines put in remote areas. Ruining the lives of a few people in order to save a few bucks is despicable.

- 14543-1 Please see the response to Comment 14328-6.
- 14543-2 BPA is a not-for-profit agency responsible for maintaining reliable transmission service to the region. We have determined a need for this line to fix a capacity problem and maintain that service. Siting the line took into consideration a wide variety of issues. Please see the responses to Comments 14110-1 and 14377-3.

14544

BARBARA E MCBOYLE

02/23/2013

14544-1 Hello, I am a resident of the Highlands and a teacher at Pleasant Valley Primary. We are so distressed at the Western option and thought that the more positive option had shifted to the East of this area. We now here it is back on the table. This is a young community with children and activities all around. It would come right through our neighborhood, thus impacting our home values and safety. The Eastern option seems to go through less inhabited areas. PLEASE FIND A BETTER OPTION!

- 14544-1 Segment 26 is part of Central Option 3, which is not part of the Preferred Alternative. Though BPA has identified its Preferred Alternative, all alternatives will be considered until BPA's Administrator makes a final decision about the project, which will be documented in the Record of Decision.

14545

WILLIAM A NELSON

02/23/2013

14545-1 | You have made a reasonable compromise with your choice of routes. The impact on people and the environment is minimized and the new towers won't face interference from the existing line.

14545-1 Comment noted.

14546

ROY D PYATT

02/23/2013

- 14546-1 It is critical for my family and neighbors that the west alternative is not used to construct a dangerous high voltage line. My home is adjacent to the existing right of way on the west alternative. My home is one of many homes so located. My kids and their friends are already exposed to the effects of the 230KV existing line. I would have never bought my home if I had known there was a risk of a 500KV line being constructed. I've worked hard to improve and maintain my home. This would be a total loss if the 500KV line were constructed in my backyard. There are excessive wetlands along the West Alternative and a large number of home owners. My neighborhood, alone, is full of school age children. They play outside often, particularly during the summer. I have no doubt that my property would significantly
- 14546-2 decrease in value if the 500KV line were constructed. This line has no business being constructed on the west alternative where there is so much potential for adverse health effects and residential property
- 14546-3 devaluation. Please stop considering the west alternative.
- 14546-4

- 14546-1 Comment noted.
- 14546-2 Please see the responses to Comments 14291-3, 14328-5, and 14328-6.
- 14546-3 Please see the response to Comment 14140-2.
- 14546-4 BPA has identified the Central Alternative using Central Option 1 as its Preferred Alternative. The resources mentioned by the commenter were taken into consideration during the process of identifying a preferred alternative.

14547

RANDALL D PEARL

02/23/2013

14547-1 | Please remove the west alternative and concentrate on the Central alternative.

The west alternative has:

14547-2 | 1. Excessive damage to critical wetlands, which will require mitigation

14547-3 | 2. Poor transmission reliability due to existing adjacent towers, lines and wellheads located in the area-
no diverse routing for redundancy in case of natural or man made disaster.

14547-4 | 3. An overwhelming number of families exposed to close, long term doses of EMF due to close proximity
to high voltage lines near homes, schools, day care centers, etc. putting the public's health at risk

14547-5 | 4. Aesthetic devaluation of property within site of the 15 to 25 story towers and 500 Kv high voltage
lines

14547-6 | 5. The tax base reduction from the additional land required for the existing right of way is \$22 million
per year at today's values, growing to \$90 million in 2030. Every person who pays property taxes will see
a significant permanent increase to their tax bill and that amount will increase every year.

- 14547-1 Comment noted. Please see the response to Comment 14544-1.
- 14547-2 Please see the response to Comment 14523-3.
- 14547-3 Please see the response to Comment 14540-2.
- 14547-4 Please see the response to Comment 14328-6.
- 14547-5 Please see the response to Comment 14140-2.
- 14547-6 Please see the response to Comment 14291-3.

14548

JO ANN WOHLERS

02/24/2013

- 14548-1 I do not want the lines placed on the West Alternative. I am concerned that the BPA is trying to pull a fast one by releasing information that they were considering the next to the farthest eastern route, but now apparently that was just another ruse to render the public apathetic to their real intentions. Now the BPA are saying the public comments will weigh heavily in the decision. I have several concerns that should be considered and should push the lines into unpopulated areas. Items that justify not placing the lines on the West Alternative include:
- 14548-2 1. Excessive wetlands- the West Alternative has way too many and should not even be considered as a route because of the wetlands. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14548-3 2. Poor transmission reliability due to existing adjacent towers, lines and wellheads located in the area- We already have the burden of having towers on the West Alternative, any future lines should go into unpopulated areas, not in the middle of a growing city. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14548-4 3. The West Alternative will put the BPA in a position of liability of the health of the men, women and children. Placing the lines in unpopulated areas will minimize the short and long term liability of the BPA. An overwhelming number of families exposed to close, long term doses of EMF due to close proximity to high voltage lines near homes, schools, day care centers and more putting the public's health at risk. Placing the lines in unpopulated areas is also the RIGHT thing to do.
- 14548-5 4. Aesthetic devaluation of property within site of the 15 to 25 story towers and 500 kv high voltage lines. Placing the lines in unpopulated areas will minimize the devaluation of property owners on the West Alternative, many of whom have their live savings into their homes. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14548-6 5. The tax base reduction from the additional land required for the existing right of way is \$22 million per year at today's values, growing to \$90 million in 2030. Every person who pays property taxes will see a significant permanent increase to their tax bill and that amount will increase every year. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14548-7 6. I am also concerned for the 350 plus home owners on the Central Alternative should not be exposed to the high levels of EMF any more than the thousands of families on the West Alternative and BPA should build the line in unpopulated areas. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14548-8 I am asking that BPA step up and do the RIGHT thing by placing these lines in UNPOPULATED areas. Quit holding us hostage and make your decision based on the RIGHT thing to do.

- 14548-1 Comment noted.
- 14548-2 Please see the response to Comment 14523-3.
- 14548-3 Please see the response to Comment 14548-3.
- 14548-4 Please see the response to Comment 14328-6.
- 14548-5 Please see the response to Comment 14140-2.
- 14548-6 Please see the response to Comment 14291-3.
- 14548-7 Please see the response to Comment 14328-6.
- 14548-8 Comment noted. BPA has identified its Preferred Alternative as the Central Alternative Using Central Option 1.

14549

KURT L WOHLERS

02/24/2013

- 14549-1 I do not want the lines placed on the West Alternative. I am concerned that the BPA is trying to pull a fast one by releasing information that they were considering the next to the farthest eastern route, but now apparently that was just another ruse to render the public apathetic to their real intentions. Now the BPA are saying the public comments will weigh heavily in the decision. I have several concerns that should be considered and should push the lines into unpopulated areas. Items that justify not placing the lines on the West Alternative include:
- 14549-2 1. Excessive wetlands- the West Alternative has way too many and should not even be considered as a route because of the wetlands. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14549-3 2. Poor transmission reliability due to existing adjacent towers, lines and wellheads located in the area- We already have the burden of having towers on the West Alternative, any future lines should go into unpopulated areas, not in the middle of a growing city. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14549-4 3. The West Alternative will put the BPA in a position of liability of the health of the men, women and children. Placing the lines in unpopulated areas will minimize the short and long term liability of the BPA. An overwhelming number of families exposed to close, long term doses of EMF due to close proximity to high voltage lines near homes, schools, day care centers and more putting the public's health at risk. Placing the lines in unpopulated areas is also the RIGHT thing to do.
- 14549-5 4. Aesthetic devaluation of property within site of the 15 to 25 story towers and 500 kv high voltage lines. Placing the lines in unpopulated areas will minimize the devaluation of property owners on the West Alternative, many of whom have their live savings into their homes. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14549-6 5. The tax base reduction from the additional land required for the existing right of way is \$22 million per year at today's values, growing to \$90 million in 2030. Every person who pays property taxes will see a significant permanent increase to their tax bill and that amount will increase every year. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14549-7 6. I am also concerned for the 350 plus home owners on the Central Alternative should not be exposed to the high levels of EMF any more than the thousands of families on the West Alternative and BPA should build the line in unpopulated areas. Placing the lines in unpopulated areas is the RIGHT thing to do.
- 14549-8 I am asking that BPA step up and do the RIGHT thing by placing these lines in UNPOPULATED areas. Quit holding us hostage and make your decision based on the RIGHT thing to do.

- 14549-1 Comment noted. BPA has identified the Central Alternative using Central Option 1 as its Preferred Alternative.
- 14549-2 Please see the response to Comment 14523-3.
- 14549-3 Please see the response to Comment 14540-2.
- 14549-4 Please see the response to Comment 14328-6.
- 14549-5 Please see the response to Comment 14140-2.
- 14549-6 Please see the response to Comment 14291-3.
- 14549-7 Please see the response to Comment 14328-6.
- 14549-8 Please see the response to Comment 14548-8.

14550

BRUCE G GREEN

02/24/2013

14550-1 Please do not build these huge towers anywhere near populated areas. Home values will plummet, EMF
is real (as you know but will never admit), disturb wetlands, and it makes no sense to put towers where
they already exist anyway. The BPA should be ashamed to even consider constructing these ugly, noisy
14550-2 towers in populated areas. We all know where the power is going (again, BPA will not admit that either)-
California. And you never considered Oregon in a serious way. You must be the federal government. You
14550-3 and the US Postal Service should join forces-two agencies that know how to spend money foolishly. Your
agency is a joke, and a bunch of robots with "stock" responses. This project has taken you how long to
14550-4 figure out? What a joke-I get to pay your salaries? You are a bunch of gravytrainers. Take another 5
years to figure this out, and continue to waste millions in taxpayers hard earned money-nothing your
agency knows anything about.

- 14450-1 BPA has identified the Central Alternative using Central Option 1 as its Preferred Alternative. The resources you mention were taken into consideration during the process of identifying a preferred alternative.
- 14450-2 Chapter 1 describes the need for the project. Please see the responses to Comments 14329-7 and 14494-2.
- 14450-3 Please see the response to Comment 14443-1.
- 14450-4 Comment noted.

14551

KATHY L GREENBERG

02/24/2013

- 14551-1 | We would like the West Alternative removed from consideration for the following reasons:
- 14551-2 | 1. Security issues due to the new towers being built adjacent to the existing. If there would be sabotage of the lines, the threat would exist for both.
- 14551-3 | 2.Excessive wetlands are in the area.
- 14551-4 | 3. The proposed line affects far too many children. Already, the towers near Covington Middle and Orchards Elementary would NOT HAVE BEEN BUILT in numerous other states, including California, where the proposed power will be sent. Over 20,000 children in 40 schools would be closer than 1/4 mile from the lines.
- 14551-5 | 4. We have already had neighbors sell their properties out of fear around the proposed towers. This has decreased values, not too mention what 15 to 25 story towers would do. WE AND OUR HOMES HAVE BEEN HELD HOSTAGE FOR TOO LONG BY THIS SLOOOOOOOWWWWWWWWWWW PROCESS.
- 14551-6 | 5. The tax base reduction from the additional land required for the existing right of way is 22 million per year at today's values, will grow to 90 million by 2030. All of us will be paying more in property tax to make up for lost revenue.

14551-1 Comment noted.

14551-2 Please see the response to Comment 14540-2.

14551-3 Please see the response to Comment 14523-3.

14551-4 Please see the response to Comment 14328-6.

14551-5 Please see the responses to Comments 14140-2 and 14340-1.

14551-6 Please see the response to Comment 14291-3.

14552

GLENN M HUDSON

02/24/2013

14552-1 | I agree with the preferred route alternative you chose in the eastern part of Cowlitz Co., most of which is in unoccupied forest area. Thx

14552-1 Comment noted.

14553

BARBARA E GROVER

02/24/2013

14553-1 | This project leaves a bad taste in my mouth for BPA. Hidden agendas, back door wording and the like is only serving to widen the gap of mistrust. BPA's lack of credibility will come back to bite them if they do not do the right thing. Placing the lines in populated areas is NOT the right thing.

14553-1 Comment noted.

14554

LINDA M HERRINGTON

02/25/2013

14554-1 | I strongly oppose the westernmost route because it would adversely affect many homeowners' property values and health. The lines would be unsightly! Also, this line would pass by several schools, and
14554-2 | scientists still disagree about whether the high-voltage lines pose a particular health threat to children.

14554-3 | In addition, the tax base reduction from the additional land required for the existing right of way is \$22 million per year at today's values, and it is expected to grow to \$90 million in 2030. Every person who pays property taxes will see a significant permanent increase in their tax bill. And that amount will increase every year.

14554-4 | Please build the new line on the easternmost of the proposed routes.

Thank you.

- 14554-1 Comment noted. BPA has identified the Central Alternative using Central Option 1 as its Preferred Alternative. The resources you mention were taken into consideration during the process of identifying a preferred alternative.
- 14554-2 Please see the response to Comment 14328-6.
- 14554-3 Please see the response to Comment 14291-3.
- 14554-4 Comment noted.

14555

JORENE HOLTEN, BRAD C HOLTEN

02/25/2013

14555-1

To BPA Representative: I am writing concerning the possible 500 kV powerlines to possibly be built through the City of Vancouver. There is an overwhelming number of families such as ours, with children 9, 6 and 3 years old that would be exposed to close, long term doses of EMF due to close proximity to high voltage lines near our home, as well as Orchards Elementary school and other schools. This would pose a health risk to many homes and I am requesting for our household and for the sake of those other homes, not only on the western route, but for any family who would be exposed to high levels of radiation to not be subjected to the construction of these lines next to their home.

Thank you for your consideration,

Brad and Jorene Holten

Kelly (9),

David (6)

and Maria (3)

14555-1 Please see the response to Comment 14328-6.

The EMF information specific to your area can be found in Table 19 and Figure 38 of Appendix F.

14556

BRAD SLOCUM

02/25/2013

- 14556-1 MOVE THE TOWERS EAST!!!! There are viable alternatives that have MINIMAL impact to people. The
14556-2 "preferred Alternative" that runs through peoples back yards is wrong. It should be crimminal what you
14556-3 have done to people who are under the formal notice and can not sell thier homes. It is also crimminal
14556-4 to risk the lives of my children with this when there is an alternative that takes the lines through
14556-5 Bonnaville. What about all the Native American artifacts and grave yards you will be impacting? What
14556-5 about the spotted owls that have been seen in the proposed area? Please answer.

- 14556-1 Comment noted.
- 14556-2 Please see the response to Comment 14140-2.
- 14556-3 Please see the responses to Comments 14299-2, 14322-1, and 14332-1.
- 14556-4 BPA has conducted cultural resources surveys along the Preferred Alternative and has identified resources that may be impacted by the proposed project. BPA is working with affected and interested parties to avoid, minimize or mitigate impacts to cultural resources. See also the response to Comment 14493-3.
- 14556-5 There are documented occurrences of spotted owls in the project area. The owls are discussed in Chapter 18, Wildlife. Section 27.2, Endangered Species Act of 1973, describes how BPA is consulting on the spotted owl with the USFWS under Section 7 of the Endangered Species Act. BPA continues to work with the USFWS to determine ways to protect the spotted owl. Mitigation measures to avoid and minimize impacts on spotted owl are provided in the Biological Assessment prepared for this project (Golder 2015).

14557

SCOTT E MEANS

02/25/2013

14557-1

I have been following the I-5 Corridor Reinforcement project for over a year now and my main concern is the impact the project will have on the property values of those living adjacent to the proposed towers. It is no surprise that following the recession citizens are still under significant financial stress and losing more property value could be devastating to many people. Please place the towers in a location that impacts the absolute lowest number of individual property owners. Having the towers cross someone's rural property but placed far from that person's home is much less damaging to overall values than having towers placed 100 ft (or less) from hundreds of individual homeowners.

I understand and appreciate the complexity of the decisions you have to make. Please include my concerns as part of your decision.

Thank you.

14557-1 Please see the response to Comment 14140-2.

14558

EDWARD I FRANKEL

02/25/2013

14558-1

First of all our home is located within fifty feet of the proposed tower line on the west I5 line ,and if built will cause the demise of our beloved home.We are senior citizens and my wife is handicapped.At his time in our lives it would be a difficult task to up root us since in the last few years since we moved here our home value has diminished by over two hundred thousand dollars.With very little left in equity it would be difficult to move and purchase a home since qualifying for a loan at our ages with social security income we would not qualify.

14558-1 Please see the response to Comment 14328-5. The West Alternative is not BPA's Preferred Alternative.

14559

JAMES A HARO, MARIAN E HARO

02/26/2013

14559-1

I was relieved when I heard your new preferred route was no longer the West alternative route as we live near the existing power lines. Now that you have made this decision please consider moving the lines to the far east where it will have the least negative impact on families and homes. The unpopulated areas to the far east should be your preferred route because of the high voltage these new lines will carry and the danger to families, home values, wetlands, and the number of families/homes impacted by a west, or central route. Thank you.

14559-1 Please see the responses to Comments 14299-2 and 14322-1.

14561

ALLISON O'BRIEN, U.S. DEPARTMENT OF THE INTERIOR, OFFICE OF ENVIRONMENTAL POLICY AND COMPLIANCE OFFICE OF THE SECRETARY

02/26/2013

Dear Ms. Wittpenn:

14561-1 | The Department of the Interior has reviewed the Draft Environmental Impact Statement for the I-5 Corridor Reinforcement Project. The Department does not have any comments to offer.

We appreciate the opportunity to comment.

Sincerely,

Allison O'Brien

Regional Environmental Officer

14561-1 Comment noted. BPA understands this communication is superseded by another dated March 25, 2013.

14562

GREGG L HERRINGTON

02/26/2013

14562-1

Bonneville made the right call in selecting the Clark County route that runs through rural countryside east of downtown Yacolt and Hockinson, where far fewer people live and away from the Pleasant Valley schools in the Battle Ground School District. Do not waiver from that sensible choice.

14562-1 Comment noted.

14564

CHRIS BENJAMIN

02/27/2013

- Transmission expansion should occur in unpopulated areas.
- 14564-1 The West Alternative on the existing right of way is the worst option, as placing a 500 kV tower will negatively impact the most people. The West Alternative also contains excessive wetlands, poor transmission reliability due to existing adjacent towers, lines and wellheads located in the area,
- 14564-2 3. An overwhelming number of families exposed to close, long term doses of EMF due to close proximity to high voltage lines near homes, schools, day care centers, etc. putting the public's health at risk,
- 14564-3 4. Aesthetic devaluation of property within site of the 15 to 25 story towers and 500 kv high voltage lines,
- 14564-4 5. The tax base reduction from the additional land required for the existing right of way, is \$22 million per year at today's values, growing to \$90 million in 2030. Every person who pays property taxes will see a significant permanent increase to their tax bill and that amount will increase every year.
- 14564-5 The 350 plus home owners on the Central Alternative should not be exposed to the high levels of EMF any more than the thousands of families on the West Alternative and BPA should build the line in UNPOPULATED areas.

- 14564-1 Comment noted. BPA has identified the Central Alternative using Central Option 1 as its Preferred Alternative. The resources the commenter mentioned were taken into consideration during the process of identifying a preferred alternative.
- 14564-2 Please see the response to Comment 14328-6.
- 14564-3 Please see the response to Comment 14140-2.
- 14564-4 Please see the response to Comment 14291-3.
- 14564-5 Please see the response to Comment 14328-6.

Sally Hyde/Michael Blake

BPA I-5 Reinforcement Project Comment
February 17, 2013

- 14565-1 | Our family property is directly impacted by BPA segment F Central Option Alt. 1. This is where the proposed line crosses the Cowlitz River north of Castle Rock.
- 14565-1 | The line would run the length of my sister's 14 acre riverfront parcel on the west bank. The rest of the family owns three 14 acre riverfront parcels adjacent. I, Sally Hyde, for the purposes of this paper, will speak for all of the family. I have several comments and questions about the Draft EIS. I will touch on aspects of seven chapters and how they relate to our family property.
- 14565-2 | First I will describe our family's association with the property. My great-grandfather came to Castle Rock in 1911. He purchased 120 acres from Cowlitz tribal elder Henry Cheholtz. Henry had lived on the property and had a small farm and orchard. He was also an early environmental activist and made a famous speech at a Castle Rock 4th of July celebration in the 1890's decrying the abuse and waste of natural resources.
- 14565-3 | My family has always been very proud of the history of this property and there are still old fruit trees from Henry's orchard in the woods. We have had 4 generations of my family own this property. Despite living with fairly low incomes we have never sold any of the riverfront property. We consider it a family heirloom to be passed to the next generation. Although it is divided into 4 lots we consider it as one piece and family members have access to all of it.

14565-1 Comment noted.

14565-2 Comment noted.

14565-3 Comment noted. Community values are discussed in Sections 11.1.8 and 11.2.2.8.

Chapter 6 Recreation

- 14565-4 The proposed line segment F crosses the Cowlitz River over a very popular recreation site. The gravel bar on the west bank is used year-round for bank fishing, boat launches and in the summer as a picnic and stopping area for guide boats and river floaters. This area should be classified as a dispersed recreation area as noted in Ch. 6.1.8.
- Ch. 6.1 states that the study area for recreation resources was 2,000 feet wide . This would encompass nearly the whole of the gravel bar recreation area. Therefore, the whole gravel bar area should be considered.
- It should be noted that this has been a popular site for many years. Reference the book "South of Seattle" by Jim Lamarrs. When the army corps dredged here they had to put a boat launch in to make up for the one that they destroyed. The area is known as the Preacher's Hole as our father, Murray Hyde, is a Methodist Preacher (ret.).
- 14565-5 Ch. 6.2.5.3 Impacts:
- The DEIS states there would be no impacts to recreation in this segment. I would disagree greatly. The impacts would be high because it would "alter recreation opportunities" and possibly change the fishing and access to the area due to the disruption of vegetation that has finally stabilized the gravel bar.
- Also there would be a moderate impact as the power lines would detract from the natural setting and "permanently impact user experience".
- 14565-6 Ch. 11 Socioeconomic Impacts
- The negative impacts to our family property would be high. We like many others value the rural experience and all of our parcels would be affected by giant transmission lines down the length of the property. For my sister, Julie Shaw, who owns the most impacted parcel, her land would be basically unusable in this rural Residential area.
- Our family's neighboring parcels would also be impacted as the riverfront property is very valuable. This would be greatly reduced as much of the value comes from the rural setting and proximity to a lovely river area. Many acres would have to be kept clearcut, including the river bank. This would greatly affect the rural setting and beauty of this area. Since this is long -held family property we do not want to sell or move. We would just be forced to accept the destruction of our land and its rural charm.

14565-4 Please see the response to Comment 14493-2.

14565-5 Please see the response to Comment 14493-2.

14565-6 Please see the response to Comment 14328-5.

Ch. 13 Cultural Resources

13.1 Affected Environment

The DEIS states that “most of the project area has not been surveyed for cultural resources”. We believe our property is an important cultural resource that has not been noted.

14565-7 I would like to restate the important local history of this property both to the Cowlitz Indian Tribe and the early Castle Rock pioneers.

Henry Cheholtz was a very important tribal leader and is still respected by the Cowlitz Tribe. The Cowlitz people know that this was once tribal land and still stop by the property on yearly river floats. They always ask my father for permission and often give him a small gift of some kind.

Murray Hyde, the family patriarch, is also part of the local history. He was born in Castle Rock in 1920. His grandparents were one of the early Castle Rock families. He is well known and loved in the community. He inherited the property from his mother Clydena Hyde. This land is a legacy for our family and native people before us.

Ch. 13.2.5 Impacts

14565-8 The impacts to this locally historic site would be high. The Castle Rock area is known for its tribal/pioneer beginnings and the “country” feel of the area. Large transmission lines plowing through the area would definitely take much away from this small town/country atmosphere and may actually destroy important sites. We want it to remain in a more traditional state: Rural.

Ch. 15. Water

Section 15.2.2. Impacts

14565-9 The DEIS does not specifically comment on impacts to water quality in this area of segment F. I believe the impacts would be high as the lines would cross a side channel wetland and therefore result in “locally high impairment”. The loss of riparian vegetation would warm the channel affecting the survival of juvenile salmonids and invite nonnative species into an important endangered species rearing area. This would continue due to the operation and maintenance that requires clearing of tall vegetation. (15.2.2.2). Also, the disturbance of fragile high bank dredge spoils could greatly affect water quality during construction.

- 14565-7 BPA has surveyed the Preferred Alternative for cultural resources, including Segment F. Thank you for identifying areas of concern for cultural resources which we included in our studies. BPA is also consulting with the Cowlitz Indian Tribe on this project and will continue to work with the Tribe to identify areas of concern.
- 14565-8 BPA has surveyed the Preferred Alternative to identify any areas that may have historical, archaeological, or cultural sites. If the sites are significant, BPA has worked to avoid or minimize impacts to sites. If BPA could not avoid impacts, mitigation was developed and would be implemented.
- 14565-9 Please see the responses to Comments 14533-3 and 14714-6.

Ch. 16 Wetlands

14565-10 The DEIS, by its own admission, did not conduct site visits to evaluate wetlands. As stated "all wetlands in the study area are considered priority habitats by WDFW". The property at the Cowlitz crossing is identified as palustrine emergent and scrub-shrub wetland in the riparian areas. This does not note that there is an active beaver pond along the west bank and the great importance this has to wetland value.

This may be a unique area on the Cowlitz below the Toutle River. The devastating lahars from Mt. St. Helens, and consequent dredging, drastically changed the lower river. The area has slowly been returning to a high value riparian zone. In some areas the constant movement of the high bank dredge spoils does not allow this. However, in front of our property there is now a large gravel bar and a flood channel. This channel is a permanent pond enhanced by high beaver activity throughout its length.

Ch. 16.2.1 Impacts

14565-11 This area would be highly impacted by clearing vegetation and removing trees, causing the conversion of a high quality wetland to lower quality. It could drastically alter river flow by creating a tree-free channel for faster moving water. This would destroy the beaver dams.

The permanent clearing of vegetation on a stable, tree growing gravel bar and fragile high bank dredge spoils is not addressed at all in the DEIS. We think this would be of great concern. The impact on a unique lower river wetland would certainly be high and probably irreversible.

Ch. 18 Wildlife

14565-12 Since this is a riparian zone there are numerous wildlife species present. They include: otter, mink, beaver, muskrat, black tail deer, green-backed heron, kingfisher, greater yellowlegs, spotted sandpiper, killdeer, and many warblers and other neotropical songbirds. Most of these species use the gravel bar and pond as den sites and nesting areas.

14565-13 In reviewing the presence of special-status species (Table 18.2) I have found several omissions. There are several species present on the property that require more comment. This is a list of the special-status species we have documented as being present on the gravel bar in front of our property and in the side channel wetland:

> Bald Eagle-important roosting in tall cottonwoods and feeding areas in shallow water

- 14565-10 Please see the response to Comment 14493-5. All wetlands were delineated in the field. No towers or roads are proposed to be in the wetland or riparian zone near your family property but tall-growing vegetation that interferes with the safe operation of the transmission line would need to be removed. Based on line design and height of the conductor at river and stream crossings, BPA would determine how much vegetation could be retained to maintain important riparian habitat. See also the response to Comment 14523-3.
- 14565-11 Section 16.2.2.1, Construction, addresses impacts from clearing trees and shrubs in medium- or high-quality forested and scrub/shrub wetlands and wetland buffers along rights-of-way and new access roads. See also the response to Comment 14565-10.
- 14565-12 A number of these species are identified in the Final EIS, many in association with freshwater wetland habitats. We have addressed these and other common species in Chapter 18, Wildlife, based on documented sources, in the appropriate sections of the chapter.
- 14565-13 Table 18-2, Special-Status Wildlife Species that Occur in the Study Area, lists those special-status species with the potential to occur along the action alternatives (based on preferred habitat) and identifies those that are documented to occur within a 2-mile-wide corridor in the study area based on information in the databases listed in the Sources footnote of the table. Bald eagle and western toad are documented as present within the Central Alternative using Central Option 1 (Preferred Alternative) study area. Although some of the other species the commenter mentions are not documented in the databases along the Preferred Alternative, the project's potential effects on the species' preferred habitat have been accounted for in Chapter 18, Wildlife.

- 14565-13 > Blue Heron-feeding areas in side channel and along river
> Wood Ducks-feeding in pond
> Bufflehead Ducks-feeding on pond
> Harlequin Duck-feeding on pond
> Western Toad-frequent sightings in upper end of beaver pond
> Red-legged frog-frequent sightings of adults and juveniles in covered areas of beaver pond (since 2008)
- 14565-14 Ch. 18.2 Impacts
Since most of these species are not even listed as occurring in segment F more study needs to be done on the effect the clearing of bank vegetation may have on these sensitive populations. Of special concern to us is the possible destruction of a beaver pond and the loss of the great habitat beaver create. The impact to this area would be high because "Permanent removal or alteration of WDFW priority habitat of high value to wildlife such that most or all relevant attributes of the original habitat are lost"(18.2.1) As stated earlier this is a unique lower river wetland area and should have special consideration.
- 14565-15 Ch.18.2.2.2
Also of concern is the possible death of the many raptors and migratory birds that use this section of the river to travel and feed. The DIES says "The proximity of lines to high bird use or migration is the biggest factor in avian collisions" And "Waterfowl, shorebirds, other water birds appear to be more susceptible to collision where lines span open water.....or where lines are between waterfowl feeding and roosting areas." This gravel bar has a high population of migratory birds. Geese, ducks and shore birds use the gravel bars to feed and nest. Many raptors fly the river corridor in this area because the gravel bars and shallow water are great hunting areas. These include bald eagles, osprey, red-tailed hawks, harrier hawks, cooper's hawks and even peregrine falcons. The trees along the bank are well known roosting sites for bald eagles and osprey.
- 14565-16 As a note: I could not find appendix N which contains a discussion of the twenty-one other special status species in the study area. (18.1.4.2) The one I found contains NEPA forms.
- 14565-17 Ch. 19 Fish
This area of the Cowlitz is of high value to many anadromous fish. The side channels and gravel shallows allow for excellent breeding and rearing areas. The area provides habitat for the young of many special status species (Table19.1) including Lower

- 14565-14 Project effects on species preferred habitat are provided in Chapter 18, Wildlife. Wetlands, as waters of the United States, are protected under Section 404 of the Clean Water Act and regulated by the Corps of Engineers (see Section 27.10, Clean Water Act). As part of the permit process, the Corps reviews impacts on aquatic resources and requires mitigation to replace lost ecological functions. See also the response to Comment 14656-10.
- 14565-15 All project alternatives have river crossings that may affect avian species. BPA would install appropriate bird flight diverters on overhead ground wires or fiber optic line in areas at high risk for bird collisions. These areas may include the crossing of the Cowlitz, Coweeman, Kalama, Lewis, East Fork Lewis, Little Washougal, Washougal, and the Columbia rivers; Rock and Big Tree creeks; in wetland and riparian areas with high bird use; in WDFW waterfowl concentration priority areas; in WDFW bald eagle priority areas, and where the transmission line traverses steep slopes. This recommended mitigation measure is included in Section 18.2.8, Recommended Mitigation Measures. BPA is working with WDFW to identify which crossings and on which spans bird flight diverters would be most effective.
- 14565-16 Appendix N contains NEPA disclosure forms. The reference to Appendix N was included when the species discussions were planned to be included in an Appendix but these are now in the wildlife chapter. The incorrect reference to Appendix N has been removed.
- 14565-17 The EIS summarizes distribution of special-status fish species in Section 19.1.1, Special-Status Species. Table 19-1 and Map 19-1A indicate that the Cowlitz River at this crossing (F-3) is used by Lower Columbia coho, Chinook, chum, and steelhead and by Pacific lamprey, eulachon, and river lamprey. NOAA Fisheries has designated this reach as critical habitat for Lower Columbia Chinook, chum, and steelhead. As the commenter notes, this reach is used for spawning and rearing by many of these species. According to Table D-1 in Appendix K, adult salmon and steelhead production at this crossing ranks in the upper 80th percentile among all anadromous fish-bearing streams crossed by the proposed transmission line corridors. Production may be higher than that due to the special habitat features the commenter notes.

14565-17 | Columbia Coho, Chinook, Steelhead and even Lamprey. There are large piles of woody debris and safety areas from high water.

19.2.1 Impacts

14565-18 | The impacts to this area would be high. There would be permanent changes to riparian habitat including loss of woody debris and increase in water temperature. There would be high impairment to hydrology and sediment functions. The cutting of stabilizing vegetation would "inhibit long-term inundation patterns and natural rates of channel adjustment."

Conclusion

In conclusion, I would like to say that this is a terrible place for the BPA to cross the Cowlitz River.

14565-19 | It negatively affects a well-known and popular recreation area.
It greatly reduces rural residential and riverfront property values.

It greatly impacts important local historical/cultural land.

It has high negative impact on the water, wetlands and riparian zone of an important wildlife area and has grave impacts to special-status species.

14565-20 | Alarminglly, I could not find any discussion in the DEIS of the extreme fragility of these high bank dredge spoils. Lahars were mentioned only briefly as being present on the Cowlitz River. There should be a huge concern about cutting any trees down on an unstable east-side river bank. We are greatly concerned that cutting at least 150 feet of river bank trees will result in unpredictable changes to the gravel bar, which is now stable, and possible loss of property due to bank erosion. It happens all the time in this area. There are severe bank stabilization issues for 2 miles downstream from the Toutle River confluence, not to mention new lahars are always possible as Mt. St. Helens is an active and unpredictable volcano upstream from us.

14565-21 | We definitely want to know how the BPA and by default the Army Corps of Engineers plans to mitigate or avoid these many issues. Of course, there is always the option to
14565-22 | choose a less risky and destructive river crossing.

Sincerely, The Hyde Family:

Sally Hyde, Mike Blake, Murray Hyde, Thad Hyde, Nesha Hyde, Julie Shaw, Ogie Shaw, Tyler Shaw, Lynley Shaw, and Nathan Hyde

- 14565-18 The EIS summarizes impacts to fish resources in Section 19.2, Environmental Consequences. Table B-1 in Appendix K indicates that riparian vegetation cover at this crossing (F-3) is relatively sparse. Large woody debris recruitment potential is low and the amount of stream shade provided is low. Therefore, impacts to wood and stream temperature from clearing would be low. Impacts may be greater along backwater habitat due to the unique habitat features the commenter notes.

Table C-1 in Appendix K indicates that total floodplain area within the transmission line corridor at this crossing is 1.1 acres. Of this, 0.57 acres of vegetation would be cleared. There would be no towers or road construction. Land use at this crossing is currently rural, mostly cleared and developed land. Existing development has already impaired floodplain function. Clearing within a floodplain that is already impaired would not have the same degree of impact as clearing in an intact floodplain. Therefore, impacts to floodplain hydrology and sediment functions would be low.

- 14565-19 Comment noted. BPA believes the current location where Segment F crosses the Cowlitz River is preferable because this location is a good, flat place to cross I-5, it avoids homes, and uses undeveloped lots. For these reasons, the current river crossing is also the best place to pass through the Castle Rock area.

Other potential crossing sites would not have the same advantages as those mentioned above. Boaters would be able to see the towers and conductors at any river crossing location.

- 14565-20 Please see the response to Comment 14493-7.
- 14565-21 Please see the response to Comment 14523-3.
- 14565-22 Please see the response to Comment 14565-19.

14565-23 | PS. I still want the appendix with the list of other special-status species (18.1.4.2). As I
stated before, Appendix N only contains signed NEPA forms. Please mail to: Sally Hyde
| Or e-mail to Thank
| you.

- 14565-23 BPA advised the commenter that the reference to Appendix N in the Draft EIS was a clerical error that has been corrected in the Final EIS; and referred her to Table 18-2 and Section 18.1.4.2, Other Special-Status Wildlife Species, for information on special-status species.

BPA's Proposed I-5 Corridor Reinforcement Project Draft environmental impact statement comment form

Public review of and comment on this draft EIS will continue through March 1, 2013. Comments should be as specific as possible, with references to particular pages, sections and chapters. Additional or clarifying information that should be considered is helpful. Factual corrections are appreciated. BPA staff will review all comments received and respond to them in the final EIS.

Name (will be included with your comment in the final EIS) DAN L. CAMPBELL

Address _____

Please add me to the mailing list

Please remove me from the mailing list

keep on

DATE: 2-25-13

Comments:

SEE ATTACHED 2 PAGES

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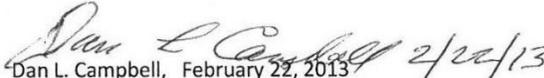
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ATTACHMENT: Comments on BPA's Draft EIS I-5 Corridor Reinforcement Project**Dan L. Campbell, Wildlife Research Biologist, Wildlife Services Co. Inc.,**

- 14566-1 As a landowner and forest-wildlife research biologist with ownership in Cowlitz and Thurston County WA., traversed by BPA power lines, and as a professional forest-wildlife biologist with USFWS and USDA and project leader (retired) for the USDA NWRC forest wildlife damage control research, I believe I am qualified to make comments on the DRAFT ENVIRONMENTAL IMPACT STATEMENT compiled by BPA in 2012. These comments are for inclusion in the final EIS.
- 14566-2 While I appreciate the BPA preferred proposed route for this power line in the EIS so it will not further impact our Cowlitz County property, there are a variety of improvements that could be made for this proposal and for other power line RW's. The cost of these improvements would be minimal and would reduce later costs to maintain vegetation.
- 14566-2 **5.1.2.3 Timber Production and Wildlife Habitat Improvement 18.1.1.1** are either missing many points or are avoiding discussion of a multitude of impacts, and need to address what improvements can be made for property owners and the environment, at minimal cost.
- 14566-3 **Economic losses for small landowners 5.1.2.5; 5-10;** are much greater than claimed:
- 14566-3 • 1 HV power line can often cancel all activity and value of land parcels up to 20 acres.
 - 14566-4 • Compensation does not cover the loss of future timber production.
 - 14566-4 • Compensation does not reflect values claimed by county taxing authorities, and taxes are not reduced even though there can be no construction on the RW. (The Wisconsin study cited does not represent western Washington).
 - 14566-5 • **11.1.8.6 EMF** often has a high impact, medically proven or not, on people working under HV power lines.
 - 14566-6 • Power line RW act as wind tunnels for long distances, bringing noxious weeds into newly cleared ground—which then must be controlled by the owner.
 - 14566-7 • Some contractors clearing timber—particularly danger trees—steal timber because they are not monitored. A neighbor contractor on the Paul-Olympia line bragged to another neighbor that he had stolen over \$1 million in Thurston County—We also had decks of our cedar stolen from the power line RW—with no recovery of loss.
 - 14566-8 • Our Cowlitz County property has suffered high damage to our roads by contractors because they preferred our roads over steep BPA roads.
 - 14566-9 • Because losses to land owners is a continuing problem and often results in **attorney and insurance fees** for the owner, initial payments for timber should be at least 3 times stumpage values plus associated losses equaling land values.
 - 14565-10 • Owners should be notified of proposed BPA or contractors activities on RW particularly including any cutting of danger trees after establishment of lines. This will help avoid waste of resources and reduce risk to operators.

- 14566-1 Comment noted.
- 14566-2 Please see the response to Comment 14306-4.
- 14566-3 Please see the response to Comment 14508-5.
- 14566-4 Please see the response to Comment 14291-3.
- 14566-5 Please see the response to Comment 14328-6.
- 14566-6 Chapter 17, Vegetation, Section 17.2.2.2 Operation and Maintenance, discusses steps BPA would take to assess any noxious weed spread caused by the project and implement noxious weed controls. Section 17.2.8, Recommended Mitigation Measures identifies a number of steps BPA would take to prevent and minimize the spread of noxious weeds caused by the project. Landowners should notify BPA if there is a noxious weed problem within existing rights-of-way. BPA works with landowners and the local county weed board to implement appropriate noxious weed controls where they occur in BPA rights-of-ways.
- 14566-7 Comment noted.
- 14566-8 It is unclear from your comment who these contractors are and why they are using your roads as we assume your roads are on private land and not for public use. BPA typically owns its substation entrance roads. BPA purchases easements for use of other public and private roads but does not own these roads.
- 14566-9 Every property BPA would acquire land rights from, for the proposed transmission line, would be appraised at its Fair Market Value (“present value of future benefits”). These appraisals would reflect the property’s value assuming there is no project. The appraisal process would reflect the value of adjacent property types (“across the fence part taken appraisal methodology”) plus any damages that apply to individual properties the transmission line right-of-way crosses. In some instances, a Fair Market Value assuming the project never existed and a Fair Market Value assuming the project is finished and operational (“before and after appraisal methodology” of the “larger parcel”) may be employed. Roads would be appraised based on either road easement sales (“value in use appraisal methodology”) or by the Fair Market Value procedure using adjacent property types. These appraisals would be prepared by either a third party appraiser, knowledgeable in the local market and licensed as a Certified General Appraiser in the state of Washington or by BPA staff appraisers. Timber would be appraised based on its fair market value at the time of identification/marketing. Any and all Fair Market Values concluded through appraisal activities would be as of the appraiser’s inspection date.

- 14566-11 **Forest Wildlife 18.1.1.1** : The EIS appears to be very limited in consulting or reviews despite an extensive list of references. The drier forest-oak woodland studies repeatedly referenced in the EIS do not reflect conditions in the majority of the proposed route for this power line:
- Opportunities to improve wildlife habitat should be identified and funded.
 - 14566-12 • **The problem of noxious weeds could be mitigated by BPA planting or providing seeds of agricultural value or native forbs identified for wildlife value in the newly disturbed ground. This would also avoid the later need of herbicides and cutting by hand.**
 - 14566-13 • **A mix of suitable vegetation will provide the best wildlife habitat. Seed of evergreen forbs preferred as food by wildlife (i.e.; catsear, certain fireweed species, etc.) is available or can be made available. These evergreen forbs (not grass) also reduce fire hazards. Shrubs preferred by wildlife which do not normally reach heights to possibly cause arcing can be readily obtained and need to be considered (even devils club is a preferred wildlife food plant which remains short in size.**
 - 14566-14 • There is opportunity in the proposed route to improve habitat (i.e.; elderberry and cascara) and even small water holes for band-tailed pigeons and other wildlife.
 - 14566-15 • Native trailing blackberry has long been identified as an important deer and elk food in winter, but may not become naturally abundant without supplemental seeding.
 - 14566-16 • Native red huckleberry is a preferred wildlife shrub throughout the year, and should be seeded.
- 14566-17 Many of these plants will also cause a reduction in wildlife damage to tree plantations which may be adjacent to power lines.
- Other environmental and/or economic improvements or socio-economic improvement include:
- 14566-18 • Seeding the native plants suggested would rapidly reduce soil erosion in watersheds.
 - 14566-19 • Native berry plants would be attractive for picking by people in addition to use by wildlife.
 - 14566-20 • Orchard trees (as already noted in the Draft EIS) should be promoted.
 - 14566-21 • Selection of Christmas tree species or genetic improvements to control height growth would provide an extensive increase in land which could be Christmas or evergreen bough tree farms.
- 14566-22 Probably many other factors could be considered for positive improvements and included in a final EIS. The cost of the improvements listed here would be minimal and would reduce later costs to maintain vegetation.


Dan L. Campbell, February 22, 2013

- 14566-10 Once a transmission line is constructed (established) BPA's practice is to identify danger trees, notify owners of their locations, and then cut them. The only exception to this practice is the discovery of trees that pose an immediate and eminent danger of falling into the transmission line. These trees will be cut immediately upon discovery. The landowner will then be notified.
- 14566-11 The Preferred Alternative, Central Alternative using Central Option 1, would not affect the drier forest oak woodlands that characterize many of the other proposed alignments. Through the Section 7 consultation process, the Section 404 process, and coordination with many landowners and government agencies, mitigation for wildlife habitat has been identified and is included in the Final EIS, the Record of Decision, and the Compensatory Mitigation Plan developed through the Section 404 permit.
- 14566-12 As a general practice, BPA reseeds disturbed ground using the most appropriate and cost-effective seed mix possible, with the goal of quickly establishing vegetative cover with minimal maintenance. Among other things, the reseeded strategy is intended to help prevent the influx of noxious weeds. Section 17.2.8, Recommended Mitigation Measures, contains a mitigation measure outlining BPA's strategy for selecting seed mixes for this project.
- 14566-13 Seed mixes are selected based on the site conditions and goals. For example, BPA would not apply a foraging seed mix near a highway. Seed mixes used may be one identified in the Stormwater Management Manual for Western Washington for specific uses such as erosion control; in sensitive vegetation areas, an appropriate native seed mix would be used; where noxious weeds are a concern one most appropriate for quick establishment may be used; on private lands, a seed mix agreed upon with landowners for use on their property would be used.
- 14566-14 Please see the responses to Comments 14566-12 and 14566-13.
- 14566-15 BPA agrees that trailing blackberry provides food and cover for many wildlife species. Trailing blackberry is documented to quickly assume prominence on disturbed sites. After disturbance it is known to compete aggressively with conifer seedlings in many locations. Revegetating disturbed areas is an identified mitigation measure in Table 3.2, Mitigation Measures Included as Part of the Project and is discussed in more detail in Section 17.2.8, Recommended Mitigation Measures.
- 14566-16 Please see the responses to Comments 14566-12 and 14566-13.
- 14566-17 Comment noted.

14567

Mr. Johnson,

This is to attach a revised first page with corrections to the towers identified in my earlier e-mail. With the help of the maps received from your team, towers along Route 18 were changed to : 18/28,29,30,31,32 and one tower on Route 28 was added: 28/10 on the first page of my previous e-mail.

14567-1 The two maps accompanying the changed page are correct and need no changes.

Attached is the corrected replacement page.

Thank you and your team for your help.

Peter Revesz

ATTACHMENT

14567

**REVESZ AND WITTER FAMILIES FOREST PROPERTIES
BPA I-5 CORRIDOR DEIS CENTRAL ROUTE ALTERNATIVE
CORRECTED ISSUE December 16, 2012**

CORRECTED Route 18. Towers 28,29,30,31,32 and Access Roads

LOCATION OF FOREST PROPERTY:

SE ¼ of Sec.35 T6N R3E WM Clark County, WA
See Attachment A

OWNERSHIPS: For reference of Owners to their respective Lot ownerships see Attachment A showing the Property Lots and the owners' initials.

Patricia Lee Witter (PLW) aka: Witter-Kahn, Lee aka: Von Hohenbalken, Patricia L.
Mailing Address:

Jane M. Revesz (JMR)

Mailing Address:

Leslie Lounsbury and E. Gregory Brady (LL&EGB)

Mailing Address:

CORRECTED ROUTE 28. Towers 10,11,12,13,14 and Access Roads

LOCATION OF FOREST PROPERTY:

W ½ and the NE ¼ of the SW ¼, and the NW ¼ of the SE ¼ of Sec. 18 T5N R4E WM Clark County, WA. (An "L" shaped part of Sec. 18). See Attachment B.

OWNERSHIPS: For reference of Owners to their respective Lot Ownerships see Attachments B showing the Property Lots and the owners' initials.

Patricia Lee Witter (PLW) aka: Witter-Kahn, Lee aka: Von Hohenbalken, Patricia L.
Mailing address:

Jane M. Revesz (JMR)

Mailing Address:

P. J. REVESZ & CO. (PJR&C)

Mailing Address:

- 14566-18 BPA's strategy for reseeding disturbed ground is discussed in the response to Comment 14566-13. Reducing soil erosion and revegetating sensitive vegetation areas with native species are among the intended outcomes of BPA's reseeding strategy.
- 14566-19 Please see the response to Comment 14566-13 for BPA's reseeding strategies.
- 14566-20 BPA works with landowners to reduce impacts to underlying and adjacent land uses as much as possible. However, some land uses within the right-of-way are not compatible with a transmission line. Please see Section 5.2.2.2, Operation and Maintenance, Agriculture, for a discussion of agricultural practices, such as orchards or tree farms, that would likely need to be excluded from the right-of-way due to their potential height.
- 14566-21 Please see the response to Comment 14566-20.
- 14566-22 Please see the response to Comment 14566-13. As the commenter notes, reseeding would reduce subsequent vegetation maintenance, reduce the spread of noxious weeds, and provide food and cover for wildlife. In general, BPA does not allow vegetation over 4 feet to remain in the right-of-way. These restrictions would exclude presence of orchards and Christmas trees.
- Depending on the existing land use, BPA would work with the underlying landowner to determine if they could continue to use the new right-of-way for existing uses, such as grazing, agriculture, or other uses.
- 14567-1 Corrections received. The corrections pertain to Comments 14253-1 and 14253-2.

14568

DAVID A TOMMASINI

03/01/2013

14568-1 | if BPA really cares about the people and communities then they should put the new 500KVA T lines in the least populated areas. also the existing route looks to have more single points of failure than the east route.

14569

ELLEN A PRICHARD

03/01/2013

14569-1 | We are grateful that the preferred route is not near us (we are near existing lines near Ross complex). We would ask that if the preferred route changes, we have ample time to understand the proposal and implications and comment later. Thanks.

- 14568-1 Please see the response to Comment 14564-1.
- 14569-1 Though BPA has identified a preferred alternative, we are still considering the other alternatives discussed in the EIS. If BPA were to change its preferred route, we would announce that publicly.

14570

Proposed 500 KW BPA Transmission Line

Whereas, Just like BPA, communities must plan for future needs, and

Whereas, BPA's present proposal is to bring a 500 KW transmission line from Casey Road substation to Baxter Creek before turning east and crossing the Cowlitz River Valley, and

Whereas, this route passes through the future urban reserve area of the City of Castle Rock and will have a serious physical and financial impact on the future growth of the city, and

Whereas, this will also have a detrimental financial impact on the local school district, all special taxing districts and Cowlitz County due to lowered property values, and

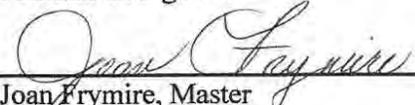
14570-1 Whereas, over the past 70 odd years the present transmission line is now 4 towers wide, and

Whereas, future expansion of the proposed transmission line would be accomplished easier with a more northerly route, therefore

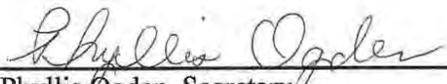
Be it resolved; that Cowlitz Pomona Grange #7 urgently requests the BPA to do three things:

1. Reopen the scoping process
2. Evaluate better routes that are farther northeast
3. Choose a better route than the presently preferred alternative with its negative impacts on so many local government entities.

Resolution passed on February 16, 2013 at a regular meeting of Cowlitz Pomona Grange #7.



 Joan Frymire, Master



 Phyllis Ogden, Secretary

1 of 1

- 14570-1 The resolution of the commenter is noted. The potential impacts of the proposed project on land use in and near the City of Castle Rock are discussed in Chapter 5, Land, and potential financial and property value impacts are discussed in Chapter 11, Socioeconomics. In addition, the reasons why routing alternatives farther northeast were considered but eliminated from detailed study is explained in Section 4.7.2.4, Northeastern Alternative, North of Silver Lake, Washington.

14571

ERNA SARASOHN

03/01/2013

- 14571-1 I STRONGLY encourage BPA to remove from consideration all Alternatives that the US Army Corps of Engineers will NOT permit. The fact that all Alternatives currently remain under consideration is
- 14571-2 signnificantly slowing the recovery of the SW Washington real estate market. Potential buyers are afraid to make offers since in their mind, there is still a possibility the house could have a tower/500kv line placed in the area even if it is not on the Preferred Route. Thousands of homeowners have had their
- 14571-3 lives put on hold for more than 3 years and to hold them hostage unnecessarily for 2 additional years is unconscionable. If the Army Corps will not permit an Alternative, BPA cannot build the line on that route so why would you continue to keep the rejected Alternatives under consideration? It serves no purpose so do the right thing and release any Alternatives the Army Corps will not permit and end the chaos in the lives of thousands of families.

- 14571-1 Section 4.7, Alternatives Considered but Eliminated from Detailed Study, describes the alternatives that were dismissed because they did not meet the project's purpose and need. The remaining alternatives, including the Preferred Alternative, as described in Chapter 4, all meet the purpose and need and have not been dismissed from consideration. Section 1.5, Agency Roles, describes the Corps' role in meeting the requirements of the ongoing Section 404(b)(1) of the Clean Water Act. Minimizing impacts to wetlands was one of the reasons BPA identified the Central Alternative using Central Option 1 as the Preferred Alternative, possibly allowing the Corps to permit the Preferred Alternative as the least environmentally damaging practicable alternative.
- 14571-2 Please see the response to Comment 14340-2.
- 14571-3 Please see the response to Comment 14340-2.

February 25, 2013

Dear Mr. Korsness,

- 14572-1 I am writing to you in response to BPA's proposed I-5 corridor reinforcement project and how the latest announcement of preferring segment 35 as part of the Central Alternative will be affecting our lives. My intention is to alert you to the fact that there will be an underground stream that bubbles up directly under your proposed line. As well as that artesian spring, I am also noting that we are immediately beneath what appears on the map as the City of Camas watershed. If you could see the way our property is positioned, you would understand the huge concern we have about site conditions and the proximity of the lines and towers as they present a daunting likelihood to contaminating our well water and the hydrology of the run off systems that are all around this area. The herbicides and pesticides used to defoliate under the wires and towers will go directly into underground aquifers that immerge at two separate locations on our property and immediately descend into the Little Washougal River.
- 14572-2 According to a study I found on the Washington Natural Heritage Program website, the headwaters that flow from Jones Creek are rated as "excellent". This rating is reserved for waters that are "pristine", superior, or in unsurpassed condition. The Little Washougal River wraps around our property and supports federally listed Chinook, chum, Coho salmon, and steelhead. It is considered a major tributary.
- 14572-3 I also found that water withdrawals for the City of Camas municipal drinking water supply are indicated as one of the causes of low water flow conditions for the Little Washougal River. With this being said, you must understand that the location of these towers and lines running through segment 35 would be disastrous! It is imperative to us that you will make an effort to come up here to our property and see for yourself precisely how invasive and hazardous it will be to place your proposed towers in this location.
- 14572-4
- 14572-5 Our second topic for concern is the EMF's generated from 500 kV transmission lines being erected approximately 1400 yards from our home. I am not a scientist, and even if I had many credentials after my name, there is still much controversy over the topic of Electromagnetic fields and their effects on biological systems. It would be ridiculous for me to try to sway you with information that you are already well aware of. I just want you to know that when one can hear the voltage, feel it lifting the hair on one's body, taste it on one's tongue, and see it light up free standing fluorescent light bulbs, then there must be something terribly cautionary about living closely to them. Solid lead cannot stop EMF's! The only remedy in all of my reading about safety is to live as far away from them as possible. The further one is away from electromagnetic fields, the lower the exposure to carcinogenic corona discharges.
- 14572-6 Thirdly, we are dismayed to see our investment in this pristine, one of a kind property compromised by the plans of BPA. You HAVE a better way! We are asking you to implement a route further east that will have little or no impact on homes and properties, head waters and water sheds. Our property and home has been a life-long dream of ours that we finally realized only 11 years ago. We worked hard for over thirty years to finally be in the position to be able to purchase our piece of heaven. It met all of our criteria: acreage for horses, a wild river, artesian well water, backs up to State Forest, privacy, beauty, wild life, close proximity to the city and airport...unbelievable! How we found this place at precisely the right time when we could afford to make our dream come true, is a miracle. What BPA is asking of us is unconscionable. Listen to the voices of the communities that you serve. We are telling you, "no".
- 14572-7
- 14572-8

- 14572-1 Please see the responses to Comments 14160-1 and 14533-3.
- 14572-2 The EIS summarizes distribution of special-status fish species in Section 19.1, Special-Status Species. Two transmission line crossings would occur about 0.5 mile upstream of the commenter's property. One of these crossings (35-2) occurs on Boulder Creek, a tributary to the Little Washougal River, and the other (35-3) on the East Fork Little Washougal River. Another crossing would occur about 1.5 miles upstream of the commenter's property on an unnamed tributary to Boulder Creek (35-1). Table 19-1 and Map 19-1D indicate that these reaches are used by Lower Columbia coho and steelhead. NOAA Fisheries has designated these reaches as critical habitat for Lower Columbia steelhead. Chinook and chum salmon use is not documented or presumed in these reaches; however, these species are documented about 2 miles downstream of the commenter's property in the Little Washougal River. Presumably stream conditions are more suitable for these species downstream of the property. Table D-1 in Appendix K indicates that adult salmon and steelhead production at two of these crossing (35-2 and 35-3) rank in the upper 80th percentile among all anadromous fish-bearing streams crossed by transmission lines. Very low production occurs in the unnamed tributary to Boulder Creek (35-1).
- 14572-3 Please see the responses to Comments 14160-1 and 14533-3.
- 14572-4 Please see the responses to Comments 14160-1, 14533-3, and 14572-2. Also, in 2013, the City of Camas logged portions of their watershed and built new access roads for this purpose. BPA is now proposing to use these roads instead of access roads originally proposed on the west side of Segment 35.
- 14572-5 Please see the response to Comment 14328-6.
- 14572-6 Please see the response to Comment 14289-3.
- 14572-7 Comment noted.
- 14572-8 Comment noted.

14572-9 | I will look forward to hearing from you, Mr. Korsness. Please call me at my home phone number anytime.

Sincere regrets about the Central Alternative Route,

Twila and John Lamb

14573

February 28, 2013

I-5 Corridor Reinforcement Project
P.O.Box 9250
Portland,OR 97207

Dear Sir/Madam:

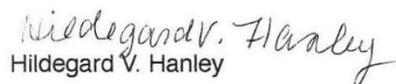
14573-1 | My wife and I are writing to you as concerned homeowners and federal retirees. The I-5 Corridor project has been going on for several years trying to determine where the high voltage towers and lines will be located. I heard that the Gray Line was dropped by the BPA and another route was proposed. This route should be located in an easterly direction, so as to eliminate the dangers that these towers cause over populated areas. One or two groups in the Central Alternative area have protested that the towers should be in the Western Alternative area. That would be a tragic mistake considering the excessive wetlands,overwhelming number of families and school locations, high levels of EMT, and tax reductions on home properties. The few number of homes in the Central Alternative area of 350 + homes vs. the thousands of homes in the Western Alternative area,including schools, should be obvious in making your decision.

The main focus regarding this decision should be aimed at the above mentioned negative harm upon the population. This issue has been dragging too long and not fair to the anxieties and stress thrust upon the citizens of Clark County. Enough is enough! Keep these towers as far east as possible and over non-populated areas--this is the best and only solution to this ongoing situation.

Thank you for your time and attention.

Sincerely,


William F. Hanley


Hildegard V. Hanley

14572-9 BPA called the commenter on October 28, 2013 and met with her on-site on October 30, 2013.

14573-1 Comment noted. Please see the responses to Comments 14289-3 and 14340-2.

14574

BILL C HARPOLE, PHILIPPINA HARPOLE

03/02/2013

BPA EMF Comments

- 14574-1 The Draft EIS doesn't consider our concerns.
There is convincing and consistent scientific data that shows links with childhood leukemia and magnetic field exposure. At levels greater than 3mG, children living within 600 feet of 500kV power lines have 70% increased risk and within 2000 feet 20% increased risk.
- 14574-2 My wife has a low immune system because of a kidney transplant and we live about 900 feet from the West line you have been considering!
- 14574-3 BPA has arrogantly ignored the economic impact for homeowner property values and a reduced tax base of \$22 million initially and estimated to reach \$90 million by 2030. You expect us to subsidize power users in Oregon and California.
- 14574-4 BPA has not shown the need for added power supply in Clark or Cowlitz counties in any of the power flow analyses.
- 14574-5 The Sundial substation in Oregon was contracted for before public notice of scoping the project was announced.
- 14574-6 Oregon was dismissed for consideration of options without merit or due process before public scoping was announced.
- 14574-7 It will be 5 years from the start date before you finalize your decision in late 2014. Your anti Southwest Washington bias and incompetence is exceeded only by your dishonesty lack of concern.
- 14574-8 In one area you have been a success. You have succeeded in destroying our trust in BPA.
- Bill and Philippina Harpole

- 14574-1 Please see the response to Comment 14328-6.
- 14574-2 Please see the response to Comment 14328-6.
- 14574-3 Please see the response to Comment 14291-3.
- 14574-4 While some of the energy moving across BPA's transmission system would be transmitted to California as well as other parts of the interconnected system, it is growth in energy demand in the local I-5 corridor that is driving the need for a new line. The majority of power transmitted over the new line would be used to serve local needs. The project is not intended to increase the transmission system's capacity to send power to California.
- 14574-5 As is allowed under NEPA, BPA has been periodically coordinating with various landowners along the proposed route of the proposed project concerning their potential interest in selling land rights to BPA for the project. In some instances (such as at the proposed Sundial substation site), BPA has moved forward with acquisition efforts with willing landowners. These efforts involve mere transfers of title with no environmental effects. Furthermore, these efforts do not commit BPA to make a decision to build the proposed project; BPA always can sell the land or simply hold onto it for potential future, other use if it ultimately decides not to build the project.
- 14574-6 Please see the response to Comment 14443-1.
- 14574-7 Please see the response to Comment 14434-1.
- 14574-8 Comment noted.

14575

14575-1 My wife Denise Fidel and I would like to offer the following comments on the DRAFT EIS. Denise attended the open house at the Vancouver library and I have reviewed the information online and we would like to offer the following comments on the preferred alternative:

14575-2 • We question the premise that a large transmission line is the solution to our long-term energy needs. We believe that this line will not be necessary if you applied the same level of staff effort and invested resources to reducing peak load demand (time-based rates, smart thermostats, timers on water heaters & air conditioners, etc.) and encouraging energy conservation (improving insulation, exhaust fans to cool attic spaces, night time cooling by air exchange and encouraging the planting of shade trees). When you look at the level of line loss associated with large transmission lines and the benefits of increased efficiency by using small local peak demand generation sources these large transmission lines are outdated, inefficient and 20th century thinking. Investing in greater energy efficiency and small local peak demand generation will also work much better with the fluctuating supply of wind, solar and other renewable energy sources.

14575-3 • Please address the following issues associated with construction:
14575-4 • why isn't the line being located along the already heavily developed I5 corridor? or alternatively in undeveloped commercial and state forest lands where it would not impact people & could be used for commercial xmas tree production?

14575-5 • What is being done about: the reduction in property values on adj properties and providing compensation for impacts to adjacent property owners, disruption of neighborhoods, damage to local roads from construction, power line serving as a corridor for spreading noxious weeds & introducing non-native animals.

We would appreciate you addressing these issues.

Thanks,

Peter Frenzen and Denise Fidel

14575

maling is:

Email:

- 14575-1 Thank you for your comments. Specific comments are addressed below.
- 14575-2 Please see the response to Comment 14144-2.
- 14575-3 Please see the response to Comment 14144-2.
- 14575-4 Though all action alternatives would meet the electrical requirements and transmission planning standards BPA follows, the West and Crossover alternatives would site more of the new line adjacent to BPA's existing transmission system, which inherently decreases reliability because it increases the likelihood of losing more than one line at a time. The Central Alternative using Central Option 1 (BPA's Preferred Alternative) does cross a large amount of commercial and publically-owned forest land although the use of the right-of-way for Christmas tree production would likely not be an option.

Though it is neither the least expensive alternative nor the easiest to construct, the Preferred Alternative provides a way forward that would limit project impacts and disruptions across a broad array of communities and neighbors, manages costs to ratepayers, and achieves the goal of preserving transmission system reliability for everyone in the I-5 area in the future.

The selection of alternatives for consideration in the EIS, including the Preferred Alternative, included the need to balance many factors, such as managing costs for regional ratepayers, BPA's role as responsible environmental stewards, and meeting the goal of operating a reliable transmission system. BPA considered many factors when identifying its Preferred Alternative. Please see BPA's issue brief at: <http://www.bpa.gov/Projects/Projects/I-5/Documents/BPA-I-5-Issue-Brief-Preferred-Alternative-Nov2012.pdf>.

- 14575-5 Potential impacts to property values are described in Section 11.2.2.5, Property Values. See also the response to Comment 14140-2. See also Chapter 5, Land, Chapter 12, Transportation, Chapter 17, Vegetation and Chapter 18, Wildlife, for potential impacts to these resources.

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 03/04/2013 8:23 p.m.**

14576-1 Yes, my name is Tom Wilson and we'd like to discuss the specific locations near our property with the design team directly. Please contact us at _____ and set up an appointment with us. Our property is located at _____ . Again this is Tom Wilson, _____ . Thank you very much.

14577

ROGER HOBSON

03/04/2013

14577-1 BPA TAX SUBSIDISED BUREAUCRAT, YOUR CHOICE OF USING THE CENTRAL ALTERNATIVE ROUTE FOR YOUR ILL-ADVISED AND WASTEFULL I-5 CORRIDOR REINFORCEMENT IS MERELY THE LESSER OF TWO EVEILS VS THE WESTERN ROUTE.

Though the central route obviously presents a less impactful location vs the west route, the 350 plus home owners on the Central Alternative should not be exposed to the high levels of EMF any more than the thousands of families on the West Alternative and BPA should build the line in UNPOPULATED areas.

14577-2 AFTER YEARS OF READING EVERYTHING I CAN GET MY HANDS ON RELATIVE TO THIS PROJECT, I REMAIN ABSOLUTELY AND UNCONDITIONALLY CONVINCED THAT THIS LINE IS NOT NEEDED AT ALL AND IS YET ANOTHER EXAMPLE OF THE WASTE AND INEPTITUDE OF GOVERNMENTAL AGENCIES. THE FUNDING RECEIVED FROM THE FEDERAL GOVERNMENT FOR THIS PROJECT SHOULD BE RETURNED TO THE GENERAL FUND AND/OR RETURNED TO THE TAXPAYERS. AS FAR AS I'M CONCERNED, THE LESS MONEY

14577-3 THE BPA HAS AT IT'S DISPOSAL, THE LESS DAMAGE IT WILL BE ABLE TO INFLICT ON THE PROPERTY VALUES AND ESTHETICS OF SOUTHWEST WASHINGTON.

Some facts about our West Alternative you must keep in consideration are as follows:

14577-4 1. Excessive wetlands and wildlife impact

14577-5 2. Poor transmission reliability due to existing adjacent towers, lines and wellheads located in the area

14577-6 3. An overwhelming number of families exposed to close, long term doses of EMF due to close proximity to high voltage lines near homes, schools, day care centers, etc. putting the public's health at risk

14577-7 4. Aesthetic devaluation of property within site of the 15 to 25 story towers and 500 kv high voltage lines

14577-8 5. The tax base reduction from the additional land required for the existing right of way is \$22 million per year at today's values, growing to \$90 million in 2030. Every person who pays property taxes will see a significant permanent increase to their tax bill and that amount will increase every year.

- 14576-1 After several attempts, BPA was able to schedule a phone meeting with the commenter. BPA provided a map of the commenter's property with proposed access road locations. BPA also mailed a letter to the commenter referring him to the Draft EIS for answers to his questions. The letter provided the following information:

Information on the current project schedule. BPA expects to announce a decision on whether and where to build the project in 2016. If BPA decides to build the project, negotiation with affected property owners would begin and construction could start in 2018 with a forecasted completion date of 2021.

Information about access roads from Section 3.9 of the EIS.

Information about fire and public safety from Sections 10.2.2.1, Construction, and 10.2.2.2, Operation and Maintenance.

Information about dust control from Table 3-2, Mitigation Measures Included as Part of the Project.

See also the responses to Comments 14457-2 and 14457-3.

- 14577-1 Comment noted.
- 14577-2 Please see the responses to Comments 14316-2 and 14377-3.
- 14577-3 Please see the responses to Comments 14316-2 and 14377-3.
- 14577-4 Chapter 16, Wetlands, and Chapter 18, Wildlife, include an analysis of impacts to the action alternatives. BPA will consider this information when it makes a decision on whether to build this project.
- 14577-5 Please see the response to Comment 14540-2.
- 14577-6 Please see the response to Comment 14328-6.
- 14577-7 Please see the response to Comment 14140-2.
- 14577-8 Please see the response to Comment 14291-3.

14578

JANE S POOLE

03/04/2013

- 14578-1 | My comment is simple. Since BPA has its own land already dedicated to reinforcement, your determination to take over private land can only be a deliberate assault on private persons and private ownership of land. You are not serving the citizens. You are serving those who are destroying our
- 14578-2 | liberties.

14579

PHILIP T COLBERT

03/05/2013

- 14579-1 | I am personally concerned (about EMF emissions) with your proposed route because it comes closer to my home than your existing route. It's not clear to me why you cannot just use the route you currently
- 14579-2 | use.

14578-1 Comment noted.

14578-2 Comment noted.

14579-1 Please see the response to Comment 14328-6.

The EMF information specific to your neighborhood is provided in Table 17 and Figure 32 of Appendix F.

14579-2 Although it is possible to use our existing right-of-way, it is not our preferred alternative for reasons stated in the Issue Brief: Why BPA prefers Central Alternative Option 1. This Issue Brief is posted on the project website at <http://www.bpa.gov/Projects/Projects/I-5/Documents/BPA-I-5-Issue-Brief-Preferred-Alternative-Nov2012.pdf>

11/19/22

14580

14580-1

DEAR MS/5in :

AT THE RISK OF SOUNDING SELFISH
IF THE FUTURE LEAVES MY SKYLINE UNBLENDED
I WOULD BE HAPPY

WAYNE F. TRUBINSKI

THANKS

Thank you for taking the time to give us your thoughts and help shape the future of this project. You are welcome to include additional pages as needed.

Forms and comments may be submitted in these formats:

Mail
I-5 Corridor Reinforcement Project
PO Box 9250
Portland, OR 97207

Email
I-5@bpa.gov

Phone
800-230-6593 (voice mail)

Fax
888-315-4503

Online
www.bpa.gov/goto/i-5

At public meetings
Place completed form in a comment box or give to a staff member

- 14580-1 The Preferred Alternative does not cross the Lewis River below Yale Dam, and does not pass close to the commenter's property. It runs east/west, south of Lake Merwin.

14581

CLINTEN D ONEILL

03/06/2013

14581-1

I live at [address]. BPA has no right to take anyone's land or devalue their land or expose them to noise pollution and possible long term health issues. BPA also has no right to make an unneeded impact on the ecology. You have enough land on the current right of way to complete your project. NO means NO! you can't have our land!!

Clint O'Neill

Product Trainer/ On Highway Technical Assistance

Pacific Power Products

[email]

cell-[phone number]

office-[phone number]

14581-1 Comment noted.

14583

DAVID CHERRINGTON

03/06/2013

14583-1

I am writing to once again emphasize to you that I'm strongly opposed to your preferred route. It is clear to me and everyone else involved that you are not looking to construct new lines for the benefit of citizens of Cowlitz County. If this project must take place in Cowlitz County it would make sense that you either choose to use your right of way or find a way to minimally impact people.

14583-2

You have been presented with a viable more northern route that would have minimal impact on people. You have chosen not to look into this route further without giving a sufficient reason as to why. Not exploring the proposed northern route is unacceptable to the citizens of Castle Rock who stand to be impacted the greatest by your project, and it is also unacceptable to others who stand to be affected. I understand that it is impossible to come up with a route where no one is affected, but the obvious solution would be for you to compensate nicely the few people along the northern route that could not be spared in order to lessen their burden.

14583-3

I will be very honest in stating that I'm unaware of exactly how the BPA plans to proceed here, but from what I read about how the BPA has proceeded in other projects I have become very concerned. While it appears that eminent domain can in some cases result in fair outcomes in regards to rural land targeted by the BPA it seems that fair compensation is rarely achieved. This needs to change. People in rural areas matter, particularly when they are within the planned urban growth area of a small town lacking wealth. I have spoken with you before and I have shared some of my life story and what I stand for. The piece of property I own where you have drawn your route through the middle of is where two young cancer survivors planned to start their future. It is not an open space on a map available for the taking at a cut rate price.

14583-4

Obviously I would prefer that my family and other families in the area be spared from having to shoulder this burden. However, my time is very valuable to me and so I continue to avoid focusing on what you may or may not do. I remain hopeful that you will take into consideration some of my aforementioned points, consider underground lines, or maybe even decide all together not to go forward with your project.

14583-5

I'm asking at this time that in the months and years ahead you do not discount the harm your project stands to do to the citizens of this area. This is a small tight knit community where people look out for one another, and will do what is necessary to protect each other. I'm living proof that there is no such thing as a losing battle if you're battling for something that matters to you. Our property matters to us. I'm asking you here, and will at some point in time be prepared to creatively ask a much larger audience, that the BPA come up with a way to ensure that we know that our property matters to them.

14583-1 Chapter 1 describes the need for the project. The I-5 Project would benefit utilities throughout the southwest Washington and northwest Oregon area by providing a parallel network to the existing 500-kV transmission system. The primary purpose of this project is to keep pace with the increasing energy needs in the local project area.

Please see the responses to Comments 14333-4 and 14579-2.

14583-2 Comment noted. Please see the response to Comment 14395-2.

14583-3 Please see the response to Comment 14566-9.

14583-4 Please see the responses to Comments 14177-2, 14583-1, 14395-2, and 14566-9.

14583-5 BPA recognizes that the proposed project would impact property owners and their property in many ways. This is one of many reasons we seek input from property owners and others about the types of impacts the project may create and ways to minimize or mitigate those impacts.



Mark Korsness
 Project Manager
 BPA I-5 Corridor Reinforcement Project
 P.O. Box 9250
 Portland, Or 97207

March 6, 2013

**Subject: Cowlitz PUD Comments on the I-5 Corridor Reinforcement Project
 Draft Environmental Impact Statement**

Dear Mr. Korsness:

14585-1 Public Utility District No. 1 of Cowlitz County, Washington (Cowlitz PUD) is pleased to provide comments on the I-5 Corridor Reinforcement Project Draft Environmental Impact Statement ("EIS" and "Transmission Line"). We support BPA's efforts to improve reliability and capacity of the transmission grid and appreciate the difficulty and complexity of BPA's extensive public involvement process. We very much appreciate the cooperative ongoing dialogue and exchange of maps and information, and believe that through those discussions, BPA has selected a Preferred Alternative (Central Alternative Option 1) with the least impact on Cowlitz PUD's facilities.

14585-2 The purpose of this letter is to submit to the record, a discussion of how the Preferred Alternative Transmission Line route potentially impacts Cowlitz PUD's electric distribution and transmission facilities.

14585-3 We have identified several locations where the proposed Transmission Line will cross our facilities. Most of those present no real concern other than construction coordination. However, two of the locations involve crossing our 115kv transmission facilities. Clearances at those crossings may be of concern. We are prepared to work with BPA to resolve any issue at those locations.

14585-4 Of greater concern is the North Fork Lewis River crossing near the District's Ariel substation from BPA's proposed L/4 structure Westerly to Lewis River Road (SR 503). While the construction of the new Transmission Line would likely not present any major issues with existing facilities, we plan to install a new transmission line in this same area. We have commenced discussions with PacifiCorp to interconnect at their Merwin Switchyard and extend a new 115kv transmission line through Ariel and on to Lewis River Rd. It is the District's intention to coexist with PacifiCorp on its existing right-of-way. We need to determine if there is enough right-of-way to accommodate both lines along with the existing facilities. We will need to closely coordinate our efforts in this location to resolve both of our goals as it is likely that the timing of the construction of these lines will be similar.

We look forward continuing to work cooperatively on this important project. If you have any questions, please feel free to contact me at _____ or _____.

Sincerely,

Ray Johnson, PE
 Director of Engineering

Web: www.cowlitzpud.org E-mail: mailbox@cowlitzpud.org Phone: (360) 423-2210 Toll Free: (800) 631-1131

1 of 1

14585-1 Comment noted.

14585-2 Comment noted.

14585-3 BPA has worked with Cowlitz PUD to provide proper clearances for transmission line crossings.

14585-4 BPA has coordinated the proposed design and location of the 500-kV line with the proposed Cowlitz PUD and PacifiCorp double-circuit line. BPA will continue to coordinate closely with PacifiCorp and Cowlitz PUD on this issue as the project moves forward; especially if BPA decides to build the project.

14587-1

Under Chapter S.3.5, Page S-26 "Noise" of the DEIS the information is flawed by taking only rainfall totals from the Portland Airport and not considering the varying differences of precipitation in the foothills of SW Washington State.

People who live in the SW Washington foothills will experience much more noise from new 500 kV transmission lines because these people don't have an existing transmission right-of-way near their homes now. The change in their environment due to excessive noise from wet transmission lines will be significant.

It is derelict to state in the Draft EIS that the foothills in SW WA have fair weather 80% of the time. Place your new towers and lines in Vancouver, Washington. You already own the most of the land and it is in the low lands and is much drier and will generate much less noise as proven below.

For Vancouver, Washington December 2012 rainfall: 7.67 inches

- Normal December rainfall: 6.77 inches

- Number of dry days in December 2012: 3 (plus one other day with a trace of precipitation)

Compare those numbers with this below information taken from the newspaper The Reflector, which is weather data taken from areas in the SW Washington foothills.

RAINFALL SUMMARY: December 2012			
Weather Source Location	Rain Total (inches)	Avg. for December	No. of Wet Days
Don Gaines Hockinson	12.36	8.83	29
Ron Myers Venersborg	12.53	9.43	30
Phil Akely Kelly Hill, Yacolt	14.84	11.88	28
Portland International Airport	14.63	9.89	28
Battle Ground City Station	11.37	8.07	29
Greg Cawley Brush Prairie	10.19	7.88	25
Doug & Deni Deseive La Center	13.65	10.81	27
Greg Baird Fargher Lake	13.15	8.75	29
Jerry Olson Yale Valley	19.31	16.81	28
Ken McGowen Clark County Fairgrounds ..	11.29	8.02	28
Robert Starr Cougar	22.86	19.74	29 ^{est.}
Brian & Ruth Manwell Chelatchie Prairie	17.65	(1st year)	28

Thank you, Cheryl Brantley,

- 14587-1 More recent monthly data from the National Climatic Data Center (2005-2013) shows foul weather conditions (greater than 0.1 inches of rain per day) occurred about 30 percent of the time near Merwin Dam (approximately 10 percent higher than the data collected at the Portland International Airport over the same time period) (NOAA 2014). This information has been updated in the Final EIS.

14588

PAUL F KINGERY

03/08/2013

14588-1 Being retired from BPA, after a 35+ year career in System Operations Control Computers Software, I have a good sense of the overall BPA system. I have been watching this line routing issue with great interest, and have one comment. Why not just route the new line, as much as possible, right along side of the I5 freeway right of way? Say, From Ross to Castle Rock? Easy access for line crews, not running through the middle of a farmer's field, or disturbing anyone's view.

Also, it seems like a more direct and shorter route, thus cheaper then some other options. This would be like the existing line from Keeler substation, down south toward Salem along I-5. That line has been there for a very long time, and I don't hear any complaints about it.

14588-2 Also one other comment. I get tired of hearing all the BPA bashing in the news. People want instant gratification these days. What is more instant then flipping on your light switch and having light appear right away? BPA is a big part of making this possible.

Thanks, Paul.

- 14588-1 Section 4.7.2.5, Interstate 5 Highway Median Alternative, discusses using the I-5 median to accommodate a new line. For the reasons described in this section, including space and safety restrictions, BPA eliminated this alternative from further consideration.
- 14588-2 Comment noted.

14589

ERIN GROVER

03/08/2013

- Dear Bonneville Power Administration, Today I read in the Columbian you have declined to meet with Clark County Officials. Building these lines in Rural Clark/Cowlitz County clearing 79miles at a width of 450' or more will wipe out considerable plant communities.
- 14589-1 In speaking with Doug Johnson at your Amboy BPA meeting I was told you herbicide continually and do nothing to replant or repair with any kind of Native Vegetation. This is already evident under the current Clark County lines which are a tangle of Invasives like Himilayan Blackberry, Canary Reed Grass, Scotch Broom and Kudzu.
- The I-5 Corridor Reinforcement Project as proposed will spread Invasive Plant, Insect, and Wildlife Issues to currently healthy untouched ecosystems. Doug Johnson promised to have one of your environmental reps. contact me at that meeting to discuss the potential for BPA to do some good under these lines like replanting with appropriate Native's should this project go thru such sensitive areas. I have yet to receive a call.
- 14589-2 As proposed these lines affect Larch Mountain Salamander(Plethodon larselli), Cascade Torrent Salamander(Rhyacotriton/cascadeae) Species of Federal and State Concern, Lomatium Bradshawii, Howellia aquatis, Cordalis aquae(Clackamas Corydalis) and Cimicifuga Elata also know as Black Cohosh an important medicine, plus endangered Steelhead, Bald Eagle territory, and pose the danger of introducing Barred Owls to Spotted Owl territory.
- 14589-3 These lines cross one mile or so from Moulton Falls Park at the confluence of the East fork of the Lewis and Rock Creek. This area is a Clark County Treasure akin to Multnomah Falls with its scenery, history, and environmental importance. Continual herbicide near such a rare Whitewater River also affects the Troutdale Aquifer as stated in your documents which supplies water to much of Vancouver and Portland, so even though people in lower Clark County think they are unaffected due to your out of site out of mind placement it is far from true. Contrary to popular belief there are a great number of children
- 14589-4 in the proposed areas that will be riding buses 5 days a week for an hour in the morning and an hour in the evening all along and under these lines, which should be a health concern.
- 14589-5 On Pipeline projects the environment must be replaced and repaired to as close to normal as possible. With the great cost and distance of these lines taking responsibility for damage to existing plant & wildlife communities should be factored in.I am already concerned about the impact parasites in Deer and Elk are having in this area and do not wish to see it spread. Also Trees near Larch Honor Camp and into Yacolt are showing signs of the Invasive Beetle which has devastated the forests of Southern Oregon.
- 14589-6 These issues need to be addressed as well as impact to Wells and effect on implanted human devices like pace makers and Insulin pumps. All the people in these Rural areas that will have to drive under these lines on a daily basis should have been notified and were not. That is only right since this will affect their lives directly.
- In Prayer and Hope for the best for everything and everyone affected,
Erin Grover

- 14589-1 New right-of-way built for this project would generally be no wider than 150 feet although BPA would obtain rights beyond this 150 feet to manage danger trees that have the potential to pose a danger to the transmission line.

BPA recognizes that ground disturbance caused by the project could facilitate the spread of noxious weeds along the right-of-way, in spite of mitigation measures that include limited herbicide use and reseeding disturbed ground with native plants (please see the responses to Comments 14566-12 and 14566-13).

Sections 3.15, Maintenance, and 17.2.2.2, Operation and Maintenance, discuss transmission line maintenance, including vegetation management. Using herbicides is one method for controlling vegetation, and in some locations, is the most cost-effective method. It is also one tool of several BPA uses for integrated vegetation management. BPA spends approximately \$13 million annually to control vegetation in its service area. Each year, spending for vegetation management must be balanced with other important BPA programs.

Section 17.1.4, Weeds, identifies weeds in the three counties that would be crossed by the project, some of which BPA's Natural Resource Specialists know are found on existing corridors. Section 17.2.8, Recommended Mitigation Measures, identifies pre- and post- construction weed surveys that would be done to identify weed populations for future treatment on this project.

Along easements, the underlying landowner is responsible for noxious weed control. If BPA decides to build this project, Natural Resource Specialists would work with landowners and county weed control districts and incorporate weed control measures into regularly scheduled maintenance.

- 14589-2 There are documented occurrences of Cascade torrent salamander, and bald eagle within a 2-mile corridor of the Preferred Alternative. These species are discussed in Chapter 18, Wildlife. Field surveys were completed to confirm the presence or absence of special status plant species and habitats where they have the potential to occur within the project footprint for the Preferred Alternative. *Lomatium Bradshawii*, *Howellia aquatis*, and *Corydalis aquae-gelidae* were not found. *Cimicifuga Elata* was observed and it is discussed in Chapter 17, Vegetation. Steelhead are present within the Preferred Alternative project footprint and are discussed in Chapter 19, Fish. Spotted owl are present and are discussed in Chapter 18, Wildlife. Section 27.2, Endangered Species Act of 1973, discusses how BPA is consulting on the spotted owl and other species with the Services under Section 7 of the Endangered Species Act. BPA continues to work with the Services to determine ways to protect these species.

- 14589-3 Please see the response to Comment 14160-1.

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 03/12/2013 9:27 AM**

14590-1

Good morning, my name is Mark Heckert. My number is . I am looking to respond to the mitigation of the critical areas along the power corridor. I would like to know if the GIS map layers for the corridor is available and how I obtain that. Again, Mark Heckert, . Thank you.

14589-4 Please see the response to Comment 14328-6.

Most of the research on EMF health effects examines long-term exposure. Short-term exposure to high fields, such as during travel, has little effect on a person's long-term average exposure.

14589-5 Table 3.2, Mitigation Measures Included as Part of the Project identifies mitigation measures for the protection and restoration of wildlife habitat. Section 18.2.8, Recommended Mitigation Measures also discusses planned mitigation for wildlife impacts.

14589-6 BPA operates 4,803 circuit miles of 500-kV transmission line in the region and we know of no case in which a BPA line has harmed a patient with a pacemaker, nerve stimulator, or other such implanted medical device. As a precaution, we encourage people with an implanted medical device to consult with their physicians if they have reason to be close to high-voltage lines. For more information on the interaction of EMF and implanted medical devices, please refer to Appendix G and G1, and Section 8.2.2.3, Implanted Medical Devices.

Please also see the response to Comment 14589-4.

14590-1 Recommended mitigation measures for geology and soils, water, wetlands, vegetation, wildlife, and fish are included in Chapter 14 through 19.

14591

MARK W HECKERT

03/12/2013

14591-1 | Please inform me of the process and timeline for bidding on the critical areas mitigation process

14592

MARGARET A HENDRIX

03/12/2013

14592-1 | Given recent news reports of electrical power usage in the entire country, delay in this project is appropriate....lower usage in Clark County is a reality... If the project moves forward, it should be moved

14592-2 | as far east in WA as possible or it should be put thru OR despite your desire to avoid this

- 14591-1 BPA has not announced a request for proposals for mitigation development for the I-5 Project.
- 14592-1 The technical studies for the I-5 Project have been updated several times using the latest load forecast provided by local utilities. BPA works closely with local utilities including Clark Public Utilities to model an accurate description of the transmission system and future loads. PGE also provides their load forecast annually and the latest forecast is used in the technical study. Each restudy showed the I-5 Project was needed. The reduced load forecast may delay the project need by a year or two.
- 14592-2 Comment noted. Please see the responses to Comments 14304-1 and 14395-2.

Luanna,

14593

I am speaking to you as the former President of the Clark County Farm Forestry Association. As of February 22nd, 2013 my term as CCFFA President ended. I will comment on issues that were addressed during the past two years of my term.

14593-1

First, I am a tree farmer being effected by line #18. My land was purchased in 1991 and put into timber defferal, this is a business that will be kept and managed for our children, their children and future generations to follow. The timber on the property was planted to be harvested at its maturity. All timber lost to the BPA's right of way should be valued at a 40 year stumpage rate. After the right of way has been cleared, a fair value based on proper planting technique, at 300 trees per acre should be paid to the property owners based on the future values of timber not harvested. This payment should continue for the life of the tree farm or the life of the easement, which ever comes first.

Second, Fair market value should be paid to the property owner based on the property devaluation caused by the 500kva powerlines. We have knowledge, based on who you may ask, of health issues caused from these power lines. We have noise concerns from arcing in high humidity areas like mine. We have the beauty of our land scape being effected.

14593-2

Third, we are going to experience security issues from 79 miles of accessable service roads. With curiosity comes recreational activities, vandilism, garbage dumping and just about every destructive and illegal activity that not all, but some, cannot do in their city neighborhoods.

14593-3

Finally, most of us understand the necessity of an electrical power grid. We enjoy the benefits of electricity daily. Where I personally feel that the BPA went wrong is in the telling of the truth. This has never been for Clark County as explained early on. This is about transmitting the back up of electricity influenced by wind generated power from the east, and getting it to Canada in the Winter and California for the Summer via the I5 corridor. We the private land owners are shouldering the burden for Federal and State gain. I discused this with Mr. Korsness twice over the last two months. I have asked in circumstances were this right of way cuts properties in half or through prime timber land, to reduce the impact or share the burden by using State or Federal lands. He even used the term " this is poor planning" when looking at one property in question. These are just some of our concerns. Please take a hard look at all public comments and ask yourself, is this this the most cost effective and environmentally sound decision.

Thank you for your time,
Ken Edwards

- 14593-1 Please see the response to Comment 14508-5.
- 14593-2 Comment noted. Please see the responses to Comments 14457-2 and 14457-3. Vandalism is discussed in Section 10.2.2.2, Operation and Maintenance.
- 14593-3 Comment noted. Chapter 1 describes the need for the project. See also the response to Comment 14333-4.

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 03/12/2013 4:55 PM**

14594-1

Yes, my name is Tom Wilson and this is a message for Seth Baker. I live at 600 Davis Peak Rd. in Woodland and I'd like to have a phone meeting with you to discuss the location from our property where the new transmission line will be at. When is the start date of the project in our area and when do they expect completion and if there is going to be any road maintenance done for state forest service road PH 1000. Dust control and construction damage etcetera for that. Any road improvements on Aho Carson Road. And I'd like to discuss with you your security measures for trespassers on your property on your right away and also what are you going to do about motorcycles fire danger etcetera on for that. So if you could give me a call back, best time to get a hold of me would be if you can tomorrow, say 9:00. And my call back number is . Again this is Tom Wilson, . Thank you very much. Good-bye.

14594-1 Please see the response to Comment 14576-1.



Oregon

John A. Kitzhaber, MD, Governor

Parks and Recreation Department
State Historic Preservation Office

December 21, 2012

Ms. Nancy Wittpen
BPA



RE: SHPO Case No. 10-1889
I-5 Corridor Reinforcement Proj
Transmission line/CR study
BPA/AINW
, Troutdale, Multnomah County

Dear Ms. Wittpen:

Our office recently received a request to conduct a cultural resource review for the area of the project referenced above. In checking our statewide cultural resource database, I find that there have been no previous cultural surveys completed within the proposed project area but cultural sites are known to exist in the surrounding area. The project area is located on a landform generally perceived to have a high probability for possessing archaeological sites and buried human remains.

14595-1

While not having sufficient knowledge to pinpoint the exact location of cultural resources within the proposed project area, due to the very high likelihood of significant sites being present, I suggest that the applicant contact a qualified archaeologist to conduct a cultural resource survey of the project area. A list of possible archaeological consultants can be found on our web site (www.oregonheritage.org) by clicking on Archaeological Services web page and highlighting the section marked Archaeological Permits.

14595-2

If you have any questions about the above comments or would like additional information, please feel to contact me at your convenience. In order to help us track your project accurately, please be sure to reference the SHPO case number above in all correspondence.

Sincerely,

Matt Diederich, MAIS
SHPO Archaeologist

14595-1 BPA has conducted a cultural resources survey to identify any historic properties that would be impacted by the proposed project. BPA will continue to consult with the commenter's office regarding cultural resources.

14595-2 Comment noted.

14596

DANIELLE A MCFARLAND

03/13/2013

March 13, 2013 RE: Bonneville Power Administration, I-5 Corridor Reinforcement Project Double-circuit towers on wetlands and Oregon alternatives

To Whom It May Concern:

14596-1 I am writing you today because I believe Bonneville Power Administration (BPA) did not provide a full range of alternatives, including complete and substantive analyses both quantitatively and qualitatively as required by law in any Environmental Impact Statement. Double-circuit towers not studied Under a Freedom of Information Act (FOIA) request to BPA asking for studies on double-circuit towers on wetlands along its West alternative (BPA-owned existing right-of-way), we received a response stating there were "no documents responsive to our request."

14596-2 In 2009 BPA told my community that putting towers side-by-side along their West alternative would be a reliability problem. They told us using their West alternative would be putting all their eggs in one basket if an airplane hit the lines or if there were a terrorist attack. On August 18, 2011, there was a response to several questions from Maryam Asgharian, a BPA contact person for this project. One question that was asked was "Has there ever been a tower collapse or line failure along their existing easement (West alternative). Her response was "We have not seen a tower collapse along this line. We have seen insulators fail or be vandalized. If this occurs, it would likely be along one span (between two towers), rather than the whole line. Once we are aware of an issue like this we can repair it within hours."

14596-2 There is clearly not much of a reliability problem based on the 70-year history of this transmission corridor. Using BPA's West alternative would save 74 million dollars by BPA's estimate. This would also minimize the impact to the environment. Double circuiting through wetlands would result in zero long-term net loss of wetlands.

14596-2 BPA's new double-circuit design reduces the perceived health risks, as found on BPA's web site and in their Draft Environmental Impact Statement (DEIS) for the I-5 Corridor Reinforcement Project. BPA's new double-circuit tower design • Uses fewer towers: "4 per mile in some places" • Costs less: "saves BPA an average of \$18,000 to \$270,000 per tower" • Uses less right-of-way and creates less Electromagnetic Field levels: as noted on page 3-2, section 3.2.1 Tower Types in the DEIS. Double circuiting for the entire right-of-way would place towers on the center of the right-of-way instead of near the edges, which would increase the distance from homes, businesses, and schools, would use half as many towers and would not require removal of as much vegetation along the edge of the existing corridor. Pearl Alternatives (Oregon) not given a thorough Environmental Assessment as required under the National Environmental Policy Act.

14596-3 For approximately ten years, the I-5 Corridor Reinforcement Project was a study of Oregon (Pearl) and Southwest Washington (Troutdale) alternatives. In 2009, just days before an announcement went to the public, BPA made the decision to not carry the Pearl alternatives through a full Environmental Assessment and made the decision to only study the Troutdale alternatives. In late 2009, a FOIA request

- 14596-1 Alternatives that BPA considered for the proposed project are identified and discussed in Chapter 4, Proposed Action and Alternatives. These alternatives were evaluated in detail in the EIS. Also, alternatives that were considered but eliminated from detailed study are included in Section 4.7, Alternatives Considered but Eliminated from Detailed Study. BPA believes that it has complied with NEPA by considering a reasonable range of alternatives, and that the alternatives analyzed in detail in the EIS permit a reasoned choice from among a variety of alternatives. BPA also believes it has adequately analyzed these alternatives in Chapters 5 through 28 of the EIS.
- 14596-2 Please see the response to Comment 14460-1.
- 14596-3 Please see the response to Comment 14443-1 regarding the elimination of the Pearl Routes from detailed study in the EIS.

Please see the response to Comment 14472-3 about how BPA identified its preferred alternative.

- was submitted for the Agency Decision Framework (Version 6) discussing the prematurely dropped Pearl alternatives. From that documentation I learned that BPA planned to not let the Pearl alternatives “go public” for many reasons, most of which made little sense. Two examples are the following:
1. BPA states the Pearl alternatives would impact 3,100 landowners, whereas the Troutdale alternatives impacts 7,700 landowners. Since the Pearl alternatives would impact less than half the number of landowners, why did BPA drop it?
 2. BPA states concerns regarding a new river crossing at the Columbia River in Longview, “requiring very tall towers up to 450 feet tall.” This should not be a concern because the existing transmission towers crossing the Columbia River in Longview are over 450 feet tall. Both the Troutdale and Pearl alternatives had similar scenarios, as stated in the Agency Decision Framework (Version 6). “All Pearl routing alternatives would need to go through some residential areas,” “would go through managed timber lands,” “would go near or through established wildlife areas and near or on private airstrips,”
- 14596-3 However, in the decision to only study the Troutdale alternative BPA stated that “The Pearl alternatives do not offer a route on existing right of way, whereas the Troutdale plan does.” In that case why didn’t BPA choose an existing right-of-way, the West alternative, for its preferred alternative? I think this is the most reasonable choice.
- If BPA persists in its decision to waste millions of dollars and hundreds of acres and invade, take, and devalue the properties of private landowners by building a new transmission corridor, then it should also be considering the Pearl alternatives to find the route least damaging to private property owners and the environment. BPA wrote “a new line in either corridor (Pearl or Troutdale) would fully meet our electrical needs,” and “proposing and thoroughly analyzing up to 88 segments (Pearl alternative and Troutdale alternative) will send a clear message that we considered all possible routes and have selected the very best alternative.” I believe this is exactly what BPA should have done.
- 14596-4 The current Draft Environmental Impact Statement is flawed without a full range of alternatives included. To provide a full range of reasonable alternatives, BPA should perform a complete environmental review and analysis of the Pearl alternatives and double-circuit towers on wetlands along the West alternative. The Army Corps of Engineers must issue a permit for this project. BPA has only requested to permit one alternative, the Central Alternative, Option 1. Since BPA chose the Troutdale alternatives over the Pearl alternatives because Troutdale has an existing right-of-way, I demand that
- 14596-5 BPA requests a permit from the Army Corps of Engineers for its existing right-of-way, the West Alternative, using double circuit towers through wetlands. I am asking that you work with me to ensure all alternatives, including double circuit towers and Pearl alternatives are given a complete and thorough
- 14596-6 analysis, both quantitatively and qualitatively by bringing these issues to light and commenting to Bonneville Power Administration and the Army Corps of Engineers during the public comment period for the Draft Environmental Impact Statement. Both of these comment periods end at noon, March 25.
- Sincerely,
- Danielle McFarland
Camas, WA

- 14596-4 As discussed in the response to Comment 14596-1, BPA believes that it has complied with NEPA by considering a reasonable range of alternatives, and that the alternatives analyzed in detail in the EIS permit a reasoned choice from among a variety of alternatives. Please see the response to Comment 14443-1 regarding the elimination of the Pearl Routes from detailed study in the EIS. Regarding the suggestion to consider and analyze a double-circuit option for the West Alternative, Section 4.7.8, Double-circuiting the I-5/Ross-Lexington Transmission Lines, has been added to explain why this suggested option was considered but eliminated from detailed study in the EIS.
- 14596-5 Please see the response to Comment 14460-1.
- 14596-6 Please see the responses to Comments 14596-1 through 14596-5.

BPA I-5 Corridor Reinforcement Project Voicemail**Received: 03/13/2013 4:46 PM**

14600-1

Seth, this is Tom. This message is for Seth Baker. This is Tom Wilson and I live in Woodland. My address is, my mailing address is . And I'm calling about making an appointment with you. If you could give me a call sometime tomorrow, probably around noon, if you could call me just before noon. Or if you could call me at 7:30 tomorrow morning, that'd be great. Or after 4:00 on tomorrow, so tomorrow it'd be 7:30, 11:30, and 4:30, that'd be great. So I'll wait for your call back. Thank you.

- 14600-1 The commenter was contacted and provided the information he requested.
Please see the response to Comment 14576-1.

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