



Department of Energy

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

PUBLIC AFFAIRS

July 22, 2010

In reply refer to: DK-7

Cheryl Brantley
A Better Way for BPA
Ex 6

RE: BPA-2010-01504-F

Dear Ms. Brantley:

This is the final response to your request for information that you made to the Bonneville Power Administration (BPA) under the Freedom of Information Act (FOIA), 5 U.S.C. 552.

You requested the following:

Electrical and economic studies regarding phased and/or connected lines to north and south.

Response:

BPA has provided the enclosed responsive documents in their entirety.

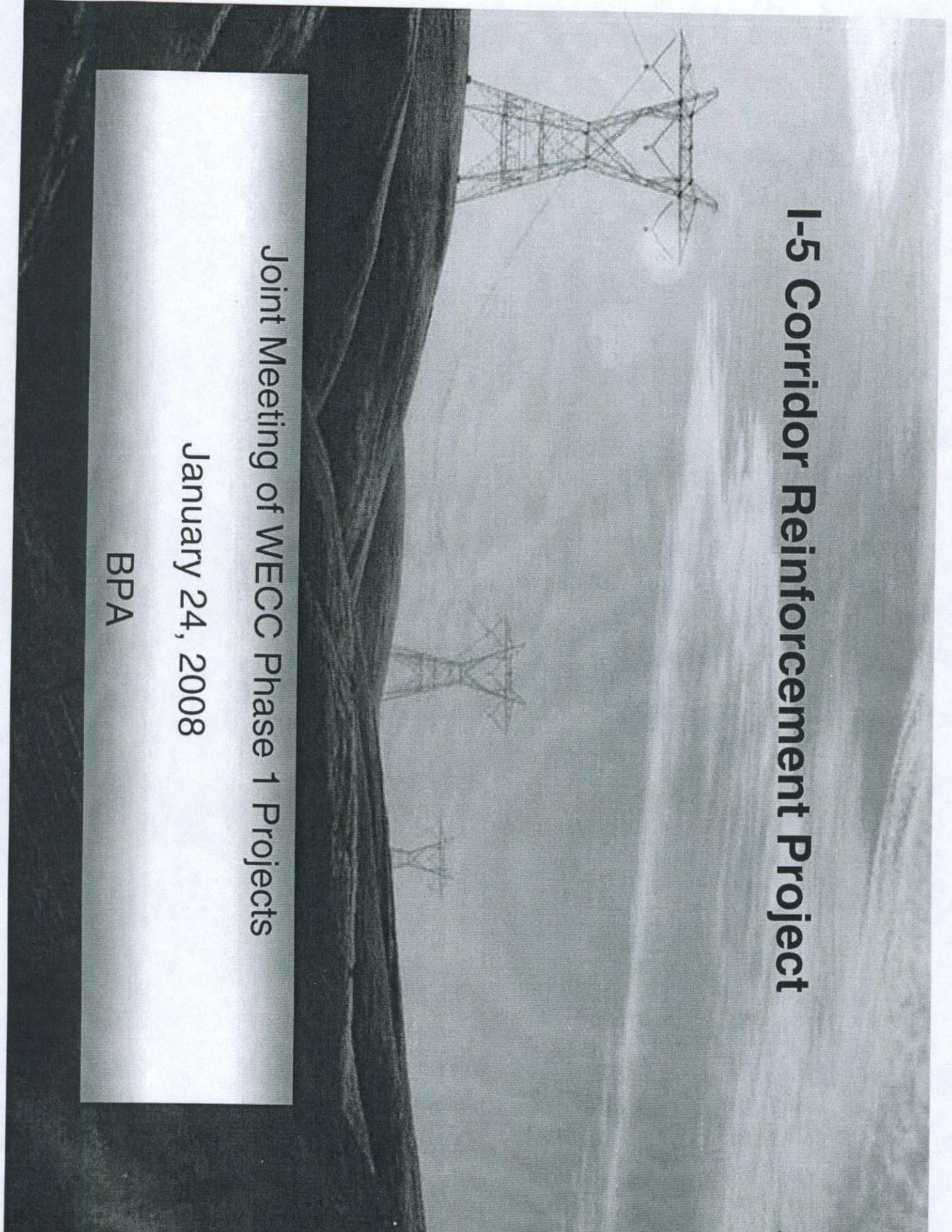
I appreciate the opportunity to assist you. Please contact Laura M. Atterbury, FOIA/Privacy Act Specialist at (503) 230-7305 with any questions about this letter.

Sincerely,

/s/ Christina J. Munro

Christina J. Munro
Freedom of Information Act/Privacy Act Officer

Enclosure(s): Responsive Documents



I-5 Corridor Reinforcement Project

Joint Meeting of WECC Phase 1 Projects

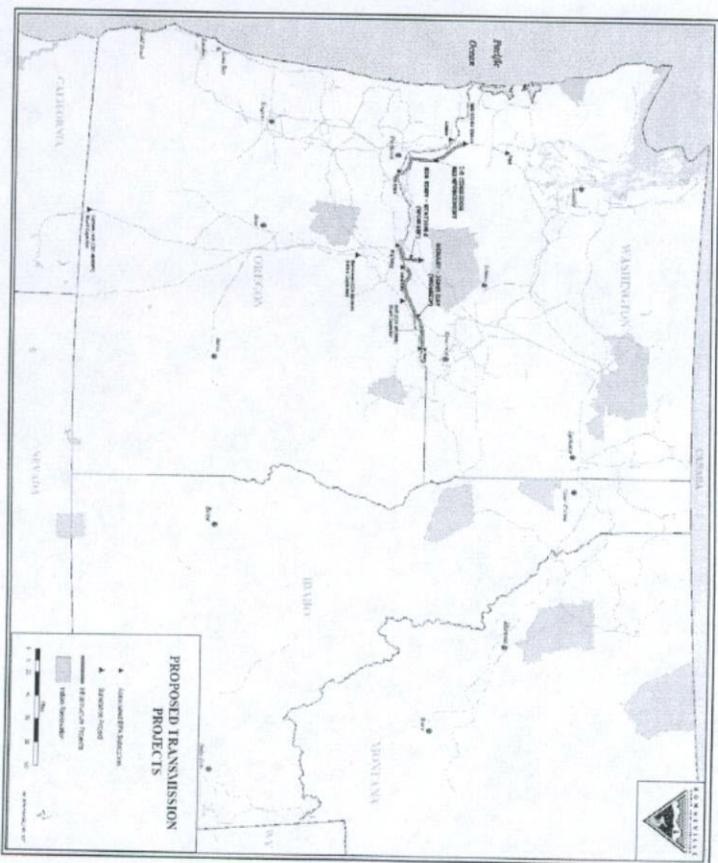
January 24, 2008

BPA

Project Overview

Order 2004 Sensitive

- Major Project Elements
 - Construct a new 500-kV Substation near Castle Rock, WA. Develop a 500 kV yard at the existing Troutdale Substation in Troutdale, OR. Construct a new 500 kV transmission line between these substations (approximately 70 miles).
- Anticipated rating (TTC) increase:
 - South of Allston: approximately 1300 MW
- Anticipated Operating Date:
 - 2014
- Project Website:
<http://www.columbiagrid.org/i-5-reinforcement-overview.cfm>



Objectives

The objectives of this project are:

- To relieve congestion along the I-5 corridor transmission path south of Paul Substation and enable BPA to serve point-to-point transmission service requests which impact this path.
- To enable BPA to integrate additional new resources which are being planned along the I-5 Corridor.
- Maintain reliable service to growing loads in Portland and vicinity.
- Reduce dependence on existing RAS while maintaining transmission system reliability.

Background

- I-5 Corridor Reinforcement Project Regional Planning Compliance Report is drafted. Target date for submittal to WECC Planning Coordination Council is February, 2008.
- Power Flow, Voltage Stability, and Transient Stability studies have been completed for the project.



Project Implementation Schedule

- I-5 Corridor Reinforcement Project
 - Project will take approximately 6 years from start to energization
 - 0 - 3 year: Environmental Process / Design
 - 3 - 6 year: Material Procurement and Construction



West of McNary Generation Integration

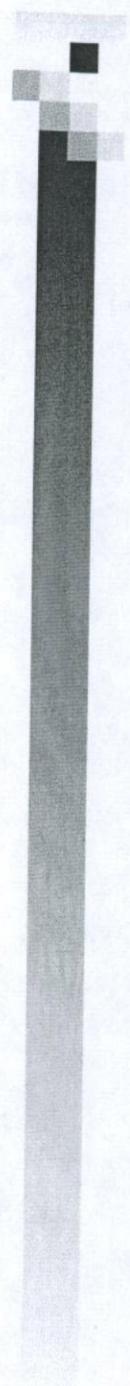
BPA



Objectives

The objectives of this project are:

- To enable BPA to serve point-to-point transmission requests across multiple congested east-west transmission paths along the Washington – Oregon border. It would also enable BPA to interconnect additional wind generation in Eastern Washington and Eastern Oregon.
- Increase system reliability to serve Portland area load.



Update

- Regional Planning for the West of McNary Generation Integration Project was initiated through Columbia Grid on June 29, 2007. WECC approved the Regional Planning Compliance Report on February 8, 2008.
- BPA plans to initiate the WECC Phase One Rating Process in August 2008.
- Funds were approved to begin preliminary design and NEPA work.
- Some Public Involvement effort has been initiated.
- This project will be included in BPA's Network Open Season (NOS) process.



Project Implementation Schedule

- McNary-John Day 500-kV
 - Project will take approximately 3.5 years from start to energization
 - Environmental Process – 0.5 years
 - Material Procurement – Additional 0.5 years
 - Construction – Additional 2.5 years
- Big Eddy-Station Z 500-kV (includes Station Z)
 - Project will take approximately 5 years from start to energization
 - Environmental Process – 2 years
 - Material Procurement – Additional 0.5 years
 - Construction – Additional 2.5 years

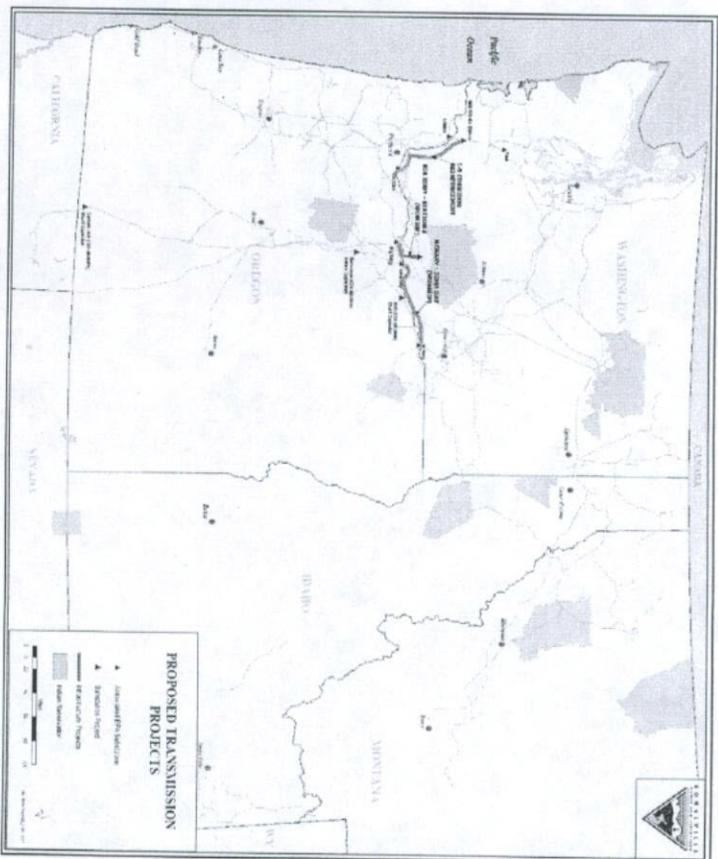


I-5 Corridor Reinforcement

BPA

Project Overview

- Major Project Elements:
 - Construct a new 500 kV Substation near Castle Rock, WA. Develop a 500 kV yard at the existing Troutdale Substation in Troutdale, OR. Construct a new 500 kV transmission line between these substations (approximately 70 miles).
- Anticipated rating (TTC) increase:
 - South of Allston: approximately 1300 MW
- Anticipated Operating Date:
 - Late 2014
- Project Website:
 - <http://www.columbiagrid.org/i-5-reinforcement-overview.cfm>
- Alternate Option:
 - Construct a new 500 kV Substation near Castle Rock, WA. Add a new 500 kV bay at the existing Pearl Substation. Construct a new 500 kV transmission line between these substations (approximately 100 miles).





Objectives

The objectives of this project are:

- To relieve congestion along the I-5 corridor transmission path south of Paul Substation and enable BPA to serve point-to-point transmission service requests which impact this path.
- To enable BPA to interconnect additional new resources which are being planned along the I-5 Corridor.
- Maintain reliable service to growing loads in Portland and vicinity.
- Reduce dependence on existing RAS while maintaining transmission system reliability.



Update

- Regional Planning for the I-5 Corridor Reinforcement Project was initiated through Columbia Grid on June 29, 2007. WECC approved the Regional Planning Compliance Report on March 21, 2008.
- BPA plans to initiate the WECC Phase One Rating Process in August 2008.
- Funds were approved to begin preliminary design and NEPA work.
- Preliminary design work to evaluate possible corridors for routing the line.
- Some Public Involvement effort has been initiated.
- This project will be included in BPA's Network Open Season (NOS) process.



Project Implementation Schedule

- I-5 Corridor Reinforcement Project
 - Project will take approximately 6 years from start to energization
 - Environmental Process / Design – 3 years
 - Material Procurement and Construction – Additional 3 years



BPA Network Open Season Update

BPA



Objectives

- One of BPA's most important strategic objectives is to ensure an adequate electric power infrastructure for the Pacific Northwest
- Network Open Season (NOS) is a key way to meet planning, expansion, and reliability obligations to BPA's Network (NT) and Point-to-Point (PTP) customers
- This project is aimed better managing BPA's transmission queue and determining priorities for new transmission
- BPA wants to encourage new resource development, including development of renewable resources



Overview

- BPA offered transmission service to all entities that requested service on BPA's Network (excluding interties)
 - The customer committed to purchasing transmission by signing a precedent agreement (PTSA)
 - BPA's commitment is contingent on providing service at embedded-cost rates and completing environmental work
 - BPA will perform a cluster study and commercial infrastructure analysis
- More information is available:
 - http://www.bpa.gov/corporate/pubs/fact%5Fsheets/08fs/Factsheet-Network_Open_Season_March_2008.pdf

Summary of Results to Date

NOS Detail	Summary of Offers (May 15)	Preliminary PTSA Summary (June 16)	Final PTSA Summary (June 27)
Number of PTSA	316	160	153
Number of Total MW	14,464 MW	6,905 MW	6,410 MW
Participating Customers	38	29	28
PTSA Service Breakdown	5,819 MW (142 PTSA) for PTP 591 MW (11 PTSA) for NT		
Total Security	\$83,238,144 Escrow @ \$22,398,288 Letter of Credit @ \$57,506,592 Direct Deposit @ \$3,333,264		

Timeline

2008 Network Open Season Timeline

