

# memorandum

DATE: June 22, 2000

REPLY TO  
ATTN OF: KECN-4

SUBJECT: Environmental Clearance Memorandum

TO: Ed Peterson – TOC/DITT2  
Customer Service Engineering

**Proposed Action:** Repair, maintenance and upgrades of substations and associated facilities.

**Categorical Exclusion Applied (from Subpart D, 10 C.F.R. Part 1021):**

B4.6: "Additions/modifications to transmission facilities within previously developed area."

B4.11: "Construction or modification of substations."

**Location:** Bonneville Power Administration (BPA) services territory

**Proposed by:** BPA

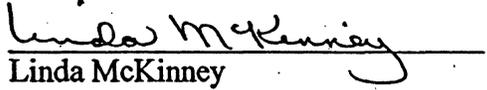
**Description of the Proposed Action:** BPA is mandated by law under the Transmission Systems Act, 16 U.S.C. Section 838b, to build and continuously maintain the stability and reliability of the federal electric transmission system in the Pacific Northwest. To accomplish this, BPA needs to repair, maintain, and upgrade substation facilities. Each year BPA evaluates specific substation facilities and determines work priorities and funding availability.

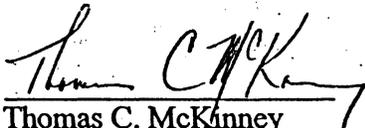
BPA environmental and technical staff evaluates project proposals identified for funding. The environmental staff makes a determination regarding the appropriate level of NEPA review for each project. The attachment to this memorandum lists the proposed substation projects that have been evaluated by BPA technical and environmental staff and determined to fit within a class of actions listed by Department of Energy (DOE) as categorical exclusions. This list will be periodically updated to include additional substation projects that satisfy the categorical exclusion criteria.

**Findings:** BPA has determined that the proposed actions comply with Section 1021.410 and Appendix B of Subpart D of the DOE National Environmental Policy Act (NEPA) Regulations (57 Fed. Reg. 1512.2, April 24, 1992). The proposed actions do not present any extraordinary circumstances that may affect the significance of the environmental effects of the proposal. The proposals are not connected (40 C.F.R. 1508.25 (a)(1)) to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts (40 C.F.R. 1508.25 (a)(2)), and is not precluded by 40 C.F.R. 1506.1 or 10 C.F.R. 1021.211. Moreover, the proposed actions would not (i) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health; (ii) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities; (iii) disturb hazardous substances, pollutants, contaminants, or

Comprehensive Environmental Response, Compensation and Liability Act-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; or (iv) adversely affect environmentally sensitive resources.

These proposed actions meet the requirements for the categorical exclusion referenced above. We therefore determine that the proposed actions may be categorically excluded from further NEPA review and documentation.

  
Linda McKinney  
Environmental Project Lead – KECN

CONCUR:   
Thomas C. McKinney  
NEPA Compliance Officer

DATE: 6/22/00

#### Attachment

#### List of Categorically Excluded Substation Projects

cc:

B. Beraud – KECN-4  
L. Kelleher – KECN-4  
L. McKinney – KECN-4  
T. McKinney – KECN-4  
P. Key - LC-7  
M. Korsness – TNP-3  
J. Luiz – TNP-4  
E. Olavarria – TNP-4  
D. Riehl – TNP-4  
M. Estimada – TNS-4  
A. Gardner – TNS-4  
Official File - KEC (EQ-15-2)

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## LIST OF CATEGORICALLY EXCLUDED SUBSTATION PROJECTS

Project Name	Project Manager	Project Description	Comments
Adair Substation	Any Gardner	Replace a 115/69kV transformer	Existing transformer, T-884 will be placed on cribbing & stored on site as a spare. Activity takes place within substation yard.
Bellingham Substation	Douglas Riehl	Design & construct 230/115kV transformer & terminals for Puget Sound Energy	Transformer being supplied by Puget Sound Energy. Any contaminated material will be disposed of properly.
Big Eddy Substation	Edward Olavarria	Replace 115kV PCB 0-933	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Activity takes place within substation yard. Construction to start 7/15/00.
Chehalis Substation	Johny Luiz	Replace 69kV PCBs 0-1926 & 0-1311	Existing PCB has no salvage value. Footing will be modified to fit new breaker. Relaying does not need to be replaced. Activity takes place within substation yard. Energization 9/20/00.
Chief Joseph Substation	Douglas Riehl	Replace a 345/230kV single phase transformer in Bank #2	Transformer on order. Design in progress. Transformer will be placed on existing pad. Activity takes place within substation yard. Energization 11/1/00.
Chemawa Substation	Edward Olavarria	Replace 115kV PCBs 0-795 & 0-791	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Relaying does not need to be replaced. Activity takes place within substation yard. Energization 11/1/00.

## LIST OF CATEGORICALLY EXCLUDED SUBSTATION PROJECTS

Cowlitz Substation	Johny Luiz	Replace 115kV PCB 0-792	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Relaying does not need to be replaced. Activity takes place within substation yard. Energization 9/15/00.
Eugene Substation	Edward Olavarria	Replace 115kV PCB 0-1982	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Relaying does not need to be replaced. Activity takes place within substation yard. Energization 10/30/00.
Hood River Substation	Mark Korsness	Replace a 115kV PCB and disconnect switch	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Relaying does not need to be replaced. Disconnect switch support will be reused. Add a vehicle gate and gravel road to substation, including rock & grounding. No excess soil will be removed from the property. Energization 9/30/00.
Keeler Substation	Johny Luiz	Replace 115kV PCBs 0-892, 0-896, 0-897, 0-898 & 0-917, and 3 relays	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Energization 12/1/00.
Midway Substation	Marcelino Estimada	Replace batteries, charger and DC panels, revise/update AC Sta. Svc.	Activity takes place with the existing substation yard. Energization 9/30/00.
Murray Substation	Johny Luiz	Add 230kV PCB in New Bay #0 and add bus tie relay package	Activity takes place with the existing substation yard. Energization 11/1/00.

## LIST OF CATEGORICALLY EXCLUDED SUBSTATION PROJECTS

Murray Substation	Johny Luiz	Replace 230kV PCB 0-574	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Relaying will not need to be replaced. Activity takes place with the existing substation yard. Energization 11/1/00.
St. Johns Substation	Johny Luiz	Replace 115kV PCB 0-745	Existing PCB has no salvage value. Footing will be modified to fit new breaker. New cable boot will be required. Activity takes place with the existing substation yard. Energization 9/20/00.
Snohomish Substation	Douglas Riehl	Replace a single phase 345/230kV transformer, add 230kV bus ties	No yard expansion. New bus tie breakers will be installed by 9/1/00. Transformer on existing pad by 6/1/01. Energization 11/1/00.
Snoking Substation	Douglas Riehl	Add a 500/230kV 1300MVA transformer	New installation, yard expansion. Any contaminated material will be disposed of properly. Energization scheduled 10/1/02.
Sno-King Substation	Douglas Riehl	Move existing Snoking tap to Monroe-Sammamish #1 230kV line to tap the 500kV Echo Lake-Monroe #1 line.	This would upgrade the tap to a 500kV line. Existing right-of-way, no new required. All work will be above ground. Energization scheduled 11/1/02.
Vantage Substation	Johny Luiz	Replace 230kV PCBs 0-1163 & 0-1164	Existing PCBs has no salvage value. Footings will be modified to fit new breaker. New boots will be required. Relaying will not need to be replaced. Activity takes place with the existing substation yard. Energization scheduled 9/30/00.

