

memorandum

DATE: July 15, 2011

REPLY TO
ATTN OF: KEP-4

SUBJECT: Environmental Clearance Memorandum

TO: Corinn Castro
Program Manager – TPO-TPP-3

Mark Kjelland
Project Manager – TEP-TPP-2

Proposed Action: 2011 Spacer and Insulator Replacement Program; Third and Fourth Quarter Projects

Budget Information: Work Order #00255064

PP&A Project No.: PP&A 1899

Categorical Exclusion Applied (from Subpart D, 10 C.F.R. Part 1021): B1.3, Routine maintenance activities...for structures, rights-of-way, infrastructures such as roads, equipment... routine maintenance activities, corrective...are required to maintain... infrastructures...in a condition suitable for a facility to be used for its designated purpose.

Proposed by: Bonneville Power Administration (BPA)

Location: Various transmission lines located within BPA's Service Area. See Table 1 for locations of transmission lines.

Description of the Proposed Action: In order to provide continued system reliability, BPA proposes to replace worn spacers and insulators along various transmission lines throughout BPA's Service Area. Spacer and insulator replacement work would be conducted on energized lines using live-line and bare-hand techniques, as well as by standard techniques requiring an electrical outage. Spacer replacement is a routine maintenance activity conducted from manned aerial carts placed on the transmission line conductor either by helicopter or line truck. Crews then access the carts to perform the work. Once changed out, old spacers are then transported to a pickup area before being sent to a recycling center. Insulators are located at the attachment points between the conductor and the transmission line towers. Using a specialized heavily insulated line truck, a standard line truck or helicopter; linemen would access transmission towers and change out insulators. Spacer and insulator replacement would require minimal ground support and all surface vehicles would be restricted to existing access roads. No ground disturbance or work in streams is required for the projects. All work would be in accordance with the National Electrical Safety Code and BPA standards.

Table 1. 2011 Spacer and Insulator Replacement Program Third and Forth Quarter Projects

Transmission Line Name	Project Type Spacer (S) Insulator (I) Replacement	County/State	BPA O&M District	Location				Proposed Outage Date	
				Township	Range	Section			
John Day-Marion No. 1 (127 miles)	S	Clackamas Co., Marion Co., Sherman Co., & Wasco Co., OR	The Dalles & Salem	1	N	15	E	1,12-13,14,24,25,36	July 15 – August 22
				2	N	15	E	11,12,14-16,19-21,24-26,36	
				2	N	17	E	7,13,23,24,26,27,34	
				1	S	15	E	2,11,14,22,23,27,28,33	
				2	S	15	E	4,7,8,9,18	
				3	S	14	E	3,10,15,16,20,21,29,31,32	
				4	S	12	E	35,36	
				4	S	13	E	1,11,12,14-16,20,21,29-31	
				4	S	14	E	6	
				5	S	10	E	35,36	
				5	S	11	E	23,24,26,27,31-34	
				5	S	12	E	2,3,9,10,16-19	
				6	S	6	E	25-27,33,34,36	
				6	S	7	E	18,23,24,26-29,32	
				6	S	8	E	13-15,19-22	
				6	S	8.5	E	13,14	
				6	S	9	E	1,10-12,15-18	
				6	S	10	E	2-6	
				7	S	4	E	24-26,32-35	
				7	S	5	E	12,17,19,20	
7	S	6	E	4,5,7,8					
8	S	2	E	36					
8	S	3	E	12,13,22-24,27,28,31-33					
8	S	4	E	4,5,7,8,18					
9	S	1	E	9-12					
9	S	2	E	1-3,7-10					

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Transmission Line Name	Project Type Spacer (S) Insulator (I) Replacement	County/State	BPA O&M District	Location				Proposed Outage Date	
				Township	Range	Section			
Olympia-Grand Coulee No. 1 (227 miles)	I	Chelan Co., Douglas Co., Grant Co., King Co., Kittitas Co., Pierce Co., & Thurston Co., WA	Wenatchee, Covington & Olympia	17	N	1	E	2-6,11-13,37	Aug.2-31
				17	N	2	E	13-18	
				17	N	3	E	4,5,7,8,18	
				18	N	1	E	32,33	
				18	N	3	E	33-36	
				18	N	4	E	22-24,27-29,31,32	
				18	N	5	E	1,2,9-11,16,17,19,20,36	
				19	N	6	E	13,14,20-23,29,31,32	
				19	N	7	E	3,4,8,9,17,18	
				19	N	14	E	1-4	
				19	N	15	E	4-6,9-12	
				19	N	16	E	7-12*	
				19	N	17	E	7,14-18,23,24	
				19	N	18	E	19-24	
				19	N	19	E	19-24	
				19	N	20	E	1,2,10,11,15,16,19-21	
				20	N	7	E	34-36	
				20	N	8	E	11-15,21,22,28-31	
				20	N	9	E	7-13,16,17	
				20	N	10	E	13,17,18,20-24	
				20	N	11	E	2-4,8,9,17,18	
				20	N	13	E	4,5,9,10,13,-15,24	
				20	N	14	E	19,29,30,32,33	
				20	N	20	E	36	
				20	N	21	E	2,3,9,10,16,20,21,29,31,32	
				21	N	11	E	35,36	
				21	N	12	E	25-27,34,36	
				21	N	13	E	31	
				21	N	21	E	25,35,36	
				21	N	22	E	13,21-24,28-30	
21	N	23	E	1,9-12,16-18					

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Transmission Line Name	Project Type Spacer (S) Insulator (I) Replacement	County/State	BPA O&M District	Location				Proposed Outage Date	
				Township	Range	Section			
				21	N	24	E	5,6	
				22	N	24	E	13,23,24,26,27,32-34	
				22	N	25	E	3-5,7,8,18,24-26,34,35	
				23	N	26	E	2-4,8,9,17,-19,25,35,36	
				24	N	27	E	3,9,10,16,17,19,20,30,	
				25	N	27	E	24-26,34,35	
				25	N	28	E	5,7,8,18,19	
				26	N	28	E	2,10,11,15,21,22,28,32,33	
				27	N	28	E	12,13,24-26,35	
				27	N	29	E	6,7	
				28	N	29	E	1,2,10,11,15,16,20,21,29,30,31	
				28	N	30	E	2,3,5,6	
				29	N	30	E	32-34	
				17	N	1	W	1,4-6,11,12,37-41	
17	N	2	W	1-4,32,33					
Taft-Hot Springs No. 1 (54 miles)	I	Mineral Co. & Sanders Co., MT	Kalispell	20	N	26	W	1, 7, 8, 9 10, 11, 12	Aug. 2- Sept. 1
				20	N	27	W	2, 3, 4, 11, 12	
				20	N	31	W	29, 31, 32	
				20	N	31	W	4, 5, 8, 17, 20, 21	
				21	N	27	W	30, 31, 32, 33	
				21	N	28	W	16, 17, 18, 21, 22, 23, 25, 26	
				21	N	29	W	10, 11, 12, 13, 15, 16, 17, 18	
				21	N	30	W	13, 14, 15, 19, 20, 21, 22, 23, 30	
				21	N	31	W	25, 26, 34, 35	

Table 1. 2011 Spacer and Insulator Replacement Program Third and Forth Quarter Projects

Transmission Line Name	Project Type Spacer (S) Insulator (I) Replacement	County/State	BPA O&M District	Location				Proposed Outage Date	
				Township	Range	Section			
Grand Coulee-Schultz No. 1 & No. 2 11/3-32/1 (20 miles)	S	Douglas Co., WA	Wenatchee	25	N	27	E	24-26	No. 1 Aug. 4-11
				25	N	27	E	35	
				25	N	28	E	5,7,8,18,19	No. 2 Aug. 12-19
				26	N	28	E	2,3,10,15,21,22,28,32,33	
				27	N	28	E	12,13,24-26,35	
				27	N	29	E	6,7	
				28	N	29	E	20,29,31,32	
Marion-Alvey No. 1 (65 miles)	S	Lane Co., Linn Co. & Marion Co. OR	Eugene	9	S	1	E	9,16,21,28,33	Aug. 22-Sept. 4
				10	S	1	E	4,5,7,8,18,19,30,31	
				10	S	1	W	36	
				11	S	1	W	1,12,13,24,25,36	
				12	S	1	W	1,12,13,24-26,35	
				13	S	1	W	2,10,11,15,16,21,27,28,34	
				14	S	1	W	3,10,15,22,27,33,34	
				15	S	1	W	4,9,16,21,28,29,32	
				16	S	1	W	5-8,17,20,29,32	
				17	S	1	W	5,8,17,19,20,30,31,36	
				18	S	2	W	1,2,8-11,17,18,20	
				18	S	3	W	13,14,23	
Raver-Paul No. 1 (69 miles)	I	Pierce Co. & King Co., WA	Covington & Olympia	17	N	2	E	13-16, 21	Sept. 4-13
				17	N	3	E	3,4, 9, 17, 18	
				18	N	3	E	34-36	
				18	N	4	E	22-24, 27-29,31, 32	
				18	N	5	E	1-3, 9, 10,16-19, 36	
				19	N	6	E	13, 14, 20-23, 29, 31, 32	
				19	N	7	E	5, 7, 8, 18	
				20	N	7	E	5, 8, 17, 20, 29, 32	
				21	N	7	E	5, 8,17,20,29,32	
				17	N	2	E	13-16, 21	

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Transmission Line Name	Project Type Spacer (S) Insulator (I) Replacement	County/State	BPA O&M District	Location				Proposed Outage Date	
				Township	Range	Section			
				17	N	3	E	3,4, 9, 17, 18	
				18	N	3	E	34-36	
				18	N	4	E	22-24, 27-29,31, 32	
				18	N	5	E	1-3, 9, 10,16-19, 36	
Marion-Lane No. 1 (69 miles)	S	Lane Co., Linn Co. & Marion Co. OR	Eugene	9	S	1	E	9,16,21,28,33	Sept. 5-18
				10	S	1	E	4,5,7,8,18,19,30,31	
				10	S	1	W	36	
				11	S	1	W	1,12,13,24,25,36	
				12	S	1	W	1,12,13,24-26,35	
				13	S	1	W	2,10,11,15,16,21,27,28,34	
				14	S	1	W	3,10,15,22,27,33,34	
				15	S	1	W	4,9,16,21,28,29,32	
				16	S	1	W	5-7	
				16	S	2	W	11,12,14-18	
				16	S	3	W	13,14,19-23,30	
				16	S	4	W	25-28,33	
				17	S	4	W	4,8,9,17-19,30	
17	S	5	W	25,26					
Monroe-Custer No. 2 1/1-24/2 (23 miles)	S	Snohomish Co., WA	Snohomish	28	N	6	E	3,10,11,13,14	Sept. 5-25
				28	N	7	E	18-22	
				29	N	6	E	4,6,9,16,28,34	
				30	N	6	E	4,9,16,21,28,33	
				31	N	6	E	20,29,32,33	
Captain Jack- Olinda No. 1 (7 miles)	S	Modoc Co., CA & Klamath Co., OR	Redmond	40	S	12	E	22,26,27,35,36	Sept. 18- 25
				41	S	12	E	1,6,7,18,19	
				48	N	6	E	18	

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				Township		Range		Section	
McNary-Ross No. 1 4/2-5/4 (1.3 miles)	S	Benton Co., WA	Tri-Cities	5	N	27	E	1	Sept 24- Oct. 12
				5	N	28	E	6	
Vantage-Hanford No. 1 (23 miles)	S	Benton Co. & Grant Co., WA	Tri-Cities & Wenatchee	14	N	25	E	3-5,10-13	Oct. 1-12
				14	N	26	E	18-20,28,29	
				15	N	23	E	2,11-13	
				15	N	24	E	17,18,20-22,25-27	
				15	N	24	E	36	
				15	N	25	E	31,32	
Big Eddy-Celilo No. 1- No. 4 & Tie Line No. 1 (1 mile)	S	Wasco Co. OR	The Dalles	1	N	14	E	6	Oct. 1-15
				2	N	14	E	31	
Lower Granite-Powerhouse No.1 (1 mile)	S	Garfield Co., OR	Spokane	14	N	43	E	32	Oct. 8-27
				14	N	43	E	33	
Little Goose-Powerhouse No.1 (2 mile)	S	Columbia Co. & Whitman, WA	Spokane	13	N	38	E	27	Oct. 8-27
				13	N	38	E	28	
Chief Joseph Powerhouse No.5 (1 mile)	S	Douglas Co., WA	Wenatchee	29	N	25	E	24	Oct. 21-29
				29	N	25	E	25	
				29	N	25	E	26	

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Transmission Line Name	Project Type Spacer (S) Insulator (I) Replacement	County/State	BPA O&M District	Location					Proposed Outage Date
				Township		Range		Section	
Sickler-Douglas Switchyard No. 1 (0.5 mile)	S	Douglas Co., WA	Wenatchee	27	N	20	E	35	Oct. 31- Nov. 2
Keeler-Allston No. 1 (42 miles)	S	Columbia Co., Multnomah Co., & Washington Co., OR	Longview & Salem	1	N	2	W	3,10,15,22,23,26	Nov. 3-16
				2	N	2	W	4,5,9,10,15,22,27,34	
				3	N	2	W	19,29,30,32	
				3	N	3	W	3,4,10,11,13,14,24	
				4	N	3	W	4,9,16,21,28,33	
				5	N	3	W	4,9,16,21,28,33	
				6	N	3	W	3,10,15,16,21,28,33	
7	N	3	W	10,15,22,27,34					

Findings: BPA has determined that the proposed action complies with Section 1021.410 and Appendix B of Subpart D of the Department of Energy (DOE) National Environmental Policy Act (NEPA) Regulations (57 Fed. Reg. 1512.2, April 24, 1992). The proposed action does not present any extraordinary circumstances that may affect the significance of the environmental effects of the proposal. The proposal is 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 action 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.

With the actions identified on the attachment, this proposed action meets the requirements for the Categorical Exclusion referenced above. We therefore determine that the proposed action may be categorically excluded from further NEPA review and documentation.

Sincerely,

/s/ Laura Roberts
Laura Roberts
Biological Scientist

Concur: /s/ Katherine S. Pierce
Katherine S. Pierce
NEPA Compliance Officer

Date: July 15, 2011

Attachment:
Environmental Checklist

Environmental Checklist for Categorical Exclusions

Name of Proposed Project: 2011 Spacer and Insulator Replacement Program; First and Second Quarter Projects

Work Order #: 00255064 **PP&A Project No.:** PP&A 1899

Prepared by: Laura Roberts **Routing:** KEP-4 **Date:** 6/8/2011

This project has been found to not adversely affect the following environmentally sensitive resources, laws, and regulations:

Environmental Resources	No Adverse Effect	No Adverse Effect with conditions
1. Cultural Resources Work mostly above ground with no ground disturbance – No cultural impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. T & E Species, or their habitat(s) No ground disturbance or work in streams is required for the project– No ESA impacts. See Effects Determination for specific project measures.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Floodplains or wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Areas of special designation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Health & safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Prime agricultural lands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Special sources of water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Consistency with state and local laws and regulations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Pollution control at Federal facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Other	<input type="checkbox"/>	<input type="checkbox"/>