

**SPP-NTC-200314**

**SPP  
Notification to Construct**

February 18, 2015

Mr. Shawn Robinson  
American Electric Power  
212 E. 6th St.  
Tulsa, OK 74119

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Robinson,

Pursuant to Section 3.3 of the Southwest Power Pool, Inc. ("SPP") Membership Agreement and Attachments O and Y of the SPP Open Access Transmission Tariff ("OATT"), SPP provides this Notification to Construct ("NTC") directing American Electric Power ("AEP") as agent for Public Service Company of Oklahoma, Southwestern Electric Power Company, and AEP Oklahoma Transmission Company, as the Designated Transmission Owner, to construct the Network Upgrade(s).

On January 27, 2015, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed as part of the 2015 Integrated Transmission Planning ("ITP") Near-Term Assessment.

**New Network Upgrades**

**Project ID:** 30526

**Project Name:** Line - Hobart - Roosevelt Tap - Snyder 69 kV Ckt 1 Rebuild

**Need Date for Project:** 6/1/2015

**Estimated Cost for Project:** \$13,963,057

**Network Upgrade ID:** 50657

**Network Upgrade Name:** Hobart - Roosevelt Tap 69 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 10-mile 69 kV line from Hobart to Roosevelt Tap. Upgrade jumpers, switches, CTs, and relay settings at Hobart.

**Network Upgrade Owner:** AEP

**MOPC Representative(s):** Paul Johnson, Richard Ross, Terri Gallup

**TWG Representative:** Matthew McGee

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an

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emergency rating of 143 MVA.

**Network Upgrade Justification:** To address the overload of Hobart - Roosevelt Tap 69 kV Ckt 1 and Roosevelt Tap - Snyder 69 kV Ckt 1 for the loss of Hobart Junction – Ompa - Altus Tamarack 138 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$4,744,431

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 12/1/2014

**Network Upgrade ID:** 50658

**Network Upgrade Name:** Roosevelt Tap - Snyder 69 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 18.7-mile 69 kV line from Roosevelt Tap to Snyder. Upgrade jumpers, switches, CTs, and relay settings at Snyder.

**Network Upgrade Owner:** AEP

**MOPC Representative(s):** Paul Johnson, Richard Ross, Terri Gallup

**TWG Representative:** Matthew McGee

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 158 MVA.

**Network Upgrade Justification:** To address the overload of Hobart - Roosevelt Tap 69 kV Ckt 1 and Roosevelt Tap - Snyder 69 kV Ckt 1 for the loss of Hobart Junction – Ompa - Altus Tamarack 138 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$9,218,626

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 12/1/2014

**Project ID:** 30803

**Project Name:** Line - Mineola - Grand Saline 69 kV Ckt 1 Rebuild

**Need Date for Project:** 4/1/2020

**Estimated Cost for Project:** \$7,248,352

**Network Upgrade ID:** 51089

**Network Upgrade Name:** Mineola - Grand Saline 69 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild Grand Saline - Mineola 69 kV line, and upgrade jumpers, switches, CTs, and relay settings at both substations.

**Network Upgrade Owner:** AEP

**MOPC Representative(s):** Paul Johnson, Richard Ross, Terri Gallup

**TWG Representative:** Matthew McGee

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an

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emergency rating of 143 MVA.

**Network Upgrade Justification:** To address the overload of Grand Saline - Mineola 69 kV Ckt 1 for the loss of Quitman - Westwood 69 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$7,248,352

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 12/1/2014

**Project ID:** 30873

**Project Name:** Line - Southwestern Station - Carnegie 138 kV Ckt 1 Rebuild

**Need Date for Project:** 6/1/2016

**Estimated Cost for Project:** \$13,404,139

**Network Upgrade ID:** 51187

**Network Upgrade Name:** Southwestern Station - Carnegie 138 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 16.5-mile 138 kV line from Southwestern Station to Carnegie.

**Network Upgrade Owner:** AEP

**MOPC Representative(s):** Paul Johnson, Richard Ross, Terri Gallup

**TWG Representative:** Matthew McGee

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 376 MVA.

**Network Upgrade Justification:** To address the overload of Carnegie - Southwestern Station 138 kV Ckt 1 for the loss of Chisholm - Gracemont 345 kV Ckt 1, Chisholm 345/230 kV Ckt 1 transformer, Oney - Washita 138 kV Ckt 1, and Binger Niject - Oney 138 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$13,404,139

**Cost Allocation of the Network Upgrade:** Base Plan

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 12/1/2014

**Project ID:** 30889

**Project Name:** Line - Linwood - South Shreveport 138 kV Ckt 1 Rebuild

**Need Date for Project:** 6/1/2017

**Estimated Cost for Project:** \$3,409,682

**Network Upgrade ID:** 51207

**Network Upgrade Name:** Linwood - South Shreveport 138 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 2.4-mile 138 kV line from Linwood to Cedar Grove to South Shreveport. Upgrade jumpers at Linwood.

**Network Upgrade Owner:** AEP

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**MOPC Representative(s):** Paul Johnson, Richard Ross, Terri Gallup  
**TWG Representative:** Matthew McGee  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 376 MVA.  
**Network Upgrade Justification:** To address the overload of Cedar Grove - Linwood 138 kV Ckt 1 for the loss of Arsenal Hill - Fort Humbug 138 kV Ckt 1.  
**Estimated Cost for Network Upgrade (current day dollars):** \$3,409,682  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 12/1/2014

**Project ID:** 30895  
**Project Name:** Line - Brooks Street - Edwards Street 69 kV Ckt 1 Rebuild  
**Need Date for Project:** 6/1/2016  
**Estimated Cost for Project:** \$570,052

**Network Upgrade ID:** 51215  
**Network Upgrade Name:** Brooks Street - Edwards Street 69 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 0.8-mile 69 kV line from Brooks Street to Edwards Street. Upgrade jumpers at both substations.  
**Network Upgrade Owner:** AEP  
**MOPC Representative(s):** Paul Johnson, Richard Ross, Terri Gallup  
**TWG Representative:** Matthew McGee  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 143 MVA.  
**Network Upgrade Justification:** To address the overload of Brooks Street - Edwards 69 kV Ckt 1 for the loss of Arsenal Hill - Fort Humbug 138 kV Ckt 1.  
**Estimated Cost for Network Upgrade (current day dollars):** \$570,052  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 12/1/2014

**Commitment to Construct**

Please provide to SPP a written commitment to construct the Network Upgrade(s) within 90 days of the date of this NTC, in addition to providing a construction schedule and an updated  $\pm 20\%$  cost estimate, NTC Project Estimate, in the Standardized Cost Estimate Reporting Template for the Network Upgrade(s). Failure to provide a sufficient written commitment to construct as required by the SPP OATT could result in the Network Upgrade(s) being assigned to another entity.

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**Mitigation Plan**

The Need Date represents the timing required for the Network Upgrade(s) to address the identified need. Your prompt attention is required for formulation and approval of any necessary mitigation plans for the Network Upgrade(s) included in the Network Upgrade(s) if the Need Date is not feasible. Additionally, if it is anticipated that the completion of any Network Upgrade will be delayed past the Need Date, SPP requires a mitigation plan be filed within 60 days of the determination of expected delays.

**Notification of Commercial Operation**

Please submit a notification of commercial operation for each listed Network Upgrade to SPP as soon as the Network Upgrade is complete and in-service. Please provide SPP with the actual costs of these Network Upgrades as soon as possible after completion of construction. This will facilitate the timely billing by SPP based on actual costs.

**Notification of Progress**

On an ongoing basis, please keep SPP advised of any inability on AEP's part to complete the approved Network Upgrade(s). For project tracking, SPP requires AEP to submit status updates of the Network Upgrade(s) quarterly in conjunction with the SPP Board of Directors meetings. However, AEP shall also advise SPP of any inability to comply with the Project Schedule as soon as the inability becomes apparent.

All terms and conditions of the SPP OATT and the SPP Membership Agreement shall apply to this Project, and nothing in this NTC shall vary such terms and conditions.

Don't hesitate to contact me if you have questions or comments regarding these instructions. Thank you for the important role that you play in maintaining the reliability of our electric grid.

Sincerely,

A handwritten signature in blue ink that reads "Lanny Nickell".

Lanny Nickell  
Vice President, Engineering  
Phone: (501) 614-3232 • Fax: (501) 482-2022 • [lnickell@spp.org](mailto:lnickell@spp.org)

cc: Carl Monroe - SPP  
Antoine Lucas - SPP  
Bob Bradish - AEP

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Paul Johnson - AEP  
Richard Ross - AEP  
Terri Gallup - AEP  
Scott Rainbolt - AEP  
Matt McGee - AEP