

SPP-NTC-200200

**SPP**  
**Notification to Construct**

March 1, 2013

Mr. Alan Derichsweiler  
Western Farmers Electric Cooperative  
701 NE 7th Street  
Anadarko, OK 73005

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Derichsweiler,

Pursuant to Section 3.3 of the Southwest Power Pool, Inc. ("SPP") Membership Agreement and Attachment O, Section VI, of the SPP Open Access Transmission Tariff ("OATT"), SPP provides this Notification to Construct ("NTC") directing Western Farmers Electric Cooperative ("WFEC"), as the Designated Transmission Owner, to construct the Network Upgrade(s).

On March 1, 2013, SPP concluded that the project(s) is required on the WFEC system to fulfill delivery point request(s) as detailed in the Delivery Point Network Study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.

**New Network Upgrades**

**Project ID:** 30488

**Project Name:** Multi - Renfrow - Wakita - Noel Switch 138 kV

**Need Date for Project:** 1/1/2013

**Estimated Cost for Project:** \$28,772,401 (this project cost contains Network Upgrades not included in this NTC)

**Date of Estimated Cost:** 12/14/2012

**Estimated Cost Source:** WFEC

**Network Upgrade ID:** 50595

**Network Upgrade Name:** Noel Switch - Wakita 138 kV Ckt 1

**Network Upgrade Description:** Build new 36-mile 138 kV line from Noel Switch to Wakita.

**Network Upgrade Owner:** WFEC

**MOPC Representative(s):** Alan Derichsweiler

**TWG Representative:** Tim Smith

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**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 228 MVA.

**Network Upgrade Justification:** To address thermal and voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.

**Estimated Cost for Network Upgrade (current day dollars):** \$17,928,848

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

**Estimated Cost Source:** WFEC

**Date of Estimated Cost:** 12/14/2012

**Network Upgrade ID:** 50596

**Network Upgrade Name:** Sandridge Tap - Wakita 138 kV Ckt 1

**Network Upgrade Description:** Build new 17-mile 138 kV line from Wakita to Sandridge Tap.

**Network Upgrade Owner:** WFEC

**MOPC Representative(s):** Alan Derichsweiler

**TWG Representative:** Tim Smith

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 228 MVA.

**Network Upgrade Justification:** To address thermal and voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.

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

**Network Upgrade ID:** 50597

**Network Upgrade Name:** Wakita 138/69 kV Transformer Ckt 1

**Network Upgrade Description:** Install 138/69 kV transformer at Wakita.

**Network Upgrade Owner:** WFEC

**MOPC Representative(s):** Alan Derichsweiler

**TWG Representative:** Tim Smith

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 40 MVA.

**Network Upgrade Justification:** To address thermal and voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.

**SPP-NTC-200200****Estimated Cost for Network Upgrade (current day dollars):** \$3,573,553**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** WFEC**Date of Estimated Cost:** 12/14/2012**Network Upgrade ID:** 50619**Network Upgrade Name:** Sandridge Tap - Renfrow 138 kV Ckt 1 (WFEC)**Network Upgrade Description:** Build new 138 kV line from Sandridge Tap to Renfrow. The total mileage of this Renfrow to Sandridge Tap 138 kV line is 4 miles. WFEC and Oklahoma Gas and Electric Co. shall decide who shall build how much of these Network Upgrades and shall provide such information, along with specific cost estimates for each Designated Transmission Owner's portion of the Network Upgrades, to SPP in its response to this NTC.**Network Upgrade Owner:** WFEC**MOPC Representative(s):** Alan Derichsweiler**TWG Representative:** Tim Smith**Categorization:** Regional reliability**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 228 MVA.**Network Upgrade Justification:** To address thermal and voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.**Cost Allocation of the Network Upgrade:** Base Plan**Project ID:** 30489**Project Name:** Device - White Horse 69 kV**Need Date for Project:** 1/1/2013**Estimated Cost for Project:** \$237,000**Network Upgrade ID:** 50598**Network Upgrade Name:** White Horse 69 kV Capacitor**Network Upgrade Description:** Install two 4.8 Mvar capacitors at White Horse 69 kV for total of 9.6 Mvar.**Network Upgrade Owner:** WFEC**MOPC Representative(s):** Alan Derichsweiler**TWG Representative:** Tim Smith**Categorization:** Regional reliability**Network Upgrade Specification:** Install at least 9.6 Mvar of capacitance at White Horse 69 kV.**Network Upgrade Justification:** To address voltage violations in the Alfalfa area as

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identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.

**Estimated Cost for Network Upgrade (current day dollars):** \$237,000

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

**Estimated Cost Source:** WFEC

**Date of Estimated Cost:** 12/5/2012

**Project ID:** 30490

**Project Name:** Device - Fairview 69 kV

**Need Date for Project:** 1/1/2013

**Estimated Cost for Project:** \$237,000

**Network Upgrade ID:** 50599

**Network Upgrade Name:** Fairview 69 kV Capacitor

**Network Upgrade Description:** Install two 4.8 Mvar capacitors at Fairview 69 kV for total of 9.6 Mvar.

**Network Upgrade Owner:** WFEC

**MOPC Representative(s):** Alan Derichsweiler

**TWG Representative:** Tim Smith

**Categorization:** Regional reliability

**Network Upgrade Specification:** Install at least 9.6 Mvar of capacitance at Fairview 69 kV.

**Network Upgrade Justification:** To address voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.

**Estimated Cost for Network Upgrade (current day dollars):** \$237,000

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

**Estimated Cost Source:** WFEC

**Date of Estimated Cost:** 12/5/2012

**Project ID:** 30491

**Project Name:** Device - Hazelton 69 kV

**Need Date for Project:** 1/1/2013

**Estimated Cost for Project:** \$237,000

**Network Upgrade ID:** 50600

**Network Upgrade Name:** Hazelton 69 kV Capacitor

**Network Upgrade Description:** Install two 4.8 Mvar capacitors at Hazelton 69 kV for total of 9.6 Mvar.

**Network Upgrade Owner:** WFEC

**SPP-NTC-200200****MOPC Representative(s):** Alan Derichsweiler**TWG Representative:** Tim Smith**Categorization:** Regional reliability**Network Upgrade Specification:** Install at least 9.6 Mvar of capacitance at Hazelton 69 kV.**Network Upgrade Justification:** To address voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.**Estimated Cost for Network Upgrade (current day dollars):** \$237,000**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** WFEC**Date of Estimated Cost:** 12/5/2012**Project ID:** 30497**Project Name:** Line - Buffalo - Buffalo Bear - Ft. Supply 69 kV**Need Date for Project:** 12/1/2013**Estimated Cost for Project:** \$7,500,000**Network Upgrade ID:** 50610**Network Upgrade Name:** Buffalo Bear - Buffalo 69 kV Ckt 1**Network Upgrade Description:** Reconductor Buffalo Bear - Buffalo 69 kV line with 556 ACSR.**Network Upgrade Owner:** WFEC**MOPC Representative(s):** Alan Derichsweiler**TWG Representative:** Tim Smith**Categorization:** Regional reliability**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 89 MVA, but are not limited to that amount.**Network Upgrade Justification:** To address thermal and voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.**Estimated Cost for Network Upgrade (current day dollars):** \$6,000,000**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** WFEC**Date of Estimated Cost:** 12/19/2012**Network Upgrade ID:** 50611**Network Upgrade Name:** Buffalo Bear - Ft. Supply 69 kV Ckt 1**Network Upgrade Description:** Reconductor Ft. Supply - Buffalo Bear 69 kV line with

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556 ACSR.

**Network Upgrade Owner:** WFEC**MOPC Representative(s):** Alan Derichsweiler**TWG Representative:** Tim Smith**Categorization:** Regional reliability**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 89 MVA, but are not limited to that amount.**Network Upgrade Justification:** To address thermal and voltage violations in the Alfalfa area as identified in the Attachment AQ study for delivery point requests DPA-2012-March-147, DPA-2012-March-149, DPA-2012-March-155, DPA-2012-March-156, DPA-2012-July-217, and DPA-2012-October-247.**Estimated Cost for Network Upgrade (current day dollars):** \$1,500,000**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** WFEC**Date of Estimated Cost:** 12/19/2012**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, pursuant to Attachment O, Section VI.6 of the SPP OATT, 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 Attachment O could result in the Network Upgrade(s) being assigned to another entity.

**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 the Network Upgrade(s) 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 WFEC's part to complete the

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approved Network Upgrade(s). For project tracking, SPP requires WFEC to submit status updates of the Network Upgrade(s) quarterly in conjunction with the SPP Board of Directors meetings. However, WFEC 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 black 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  
Katherine Prewitt - SPP  
Tim Smith - WFEC  
Ron Cunningham - WFEC