

**SPP-NTC-200204**

**SPP  
Notification to Construct**

February 19, 2013

Mr. Philip Crissup  
Oklahoma Gas and Electric Co.  
P.O. Box 321, M/C 903  
Oklahoma City, OK 73101

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Crissup,

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 Oklahoma Gas and Electric Co. ("OGE"), as the Designated Transmission Owner, to construct the Network Upgrade(s).

On January 29, 2013, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed.

**New Network Upgrades**

**Project ID:** 669

**Project Name:** Line - Pecan Creek - Five Tribes 161 kV Ckt 1

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$2,591,900

**Network Upgrade ID:** 10875

**Network Upgrade Name:** Five Tribes - Pecan Creek 161 kV Ckt 1

**Network Upgrade Description:** Reconductor 4.07-mile Five Tribes - Pecan Creek 161 kV line. Increase CT ratios at Pecan Creek to 2000 A. Replace two wavetraps, one 161 kV breaker, three switches and increase CT ratio at Five Tribes.

**Network Upgrade Owner:** OGE

**MOPC Representative(s):** Jacob Langthorn, IV

**TWG Representative:** Travis Hyde

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 542 MVA.

**Network Upgrade Justification:** To address the overload of the Five Tribes - Pecan

**SPP-NTC-200204**

Creek 161 kV Ckt 1 line for the loss of Agency - Pecan Creek 161 kV Ckt 1 line.  
**Estimated Cost for Network Upgrade (current day dollars):** \$2,591,900  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** OGE  
**Date of Estimated Cost:** 11/16/2012

**Project ID:** 1017  
**Project Name:** Line - Classen - Southwest 5 Tap 138 kV  
**Need Date for Project:** 6/1/2013  
**Estimated Cost for Project:** \$161,204

**Network Upgrade ID:** 11339  
**Network Upgrade Name:** Classen - Southwest 5 Tap 138 kV Ckt 1  
**Network Upgrade Description:** Replace 800 A CT and wavetrap at Classen 138 kV substation.  
**Network Upgrade Owner:** OGE  
**MOPC Representative(s):** Jacob Langthorn, IV  
**TWG Representative:** Travis Hyde  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 287 MVA.  
**Network Upgrade Justification:** To address the overload of the Classen - Southwest 5 Tap 138 kV Ckt 1 for the loss of Council - Mustang 138 kV Ckt 1 line.  
**Estimated Cost for Network Upgrade (current day dollars):** \$161,204  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** OGE  
**Date of Estimated Cost:** 11/16/2012

**Project ID:** 30433  
**Project Name:** Line - Arcadia - Redbud 345 kV  
**Need Date for Project:** 6/1/2013  
**Estimated Cost for Project:** \$1,010,523

**Network Upgrade ID:** 50529  
**Network Upgrade Name:** Arcadia 345 kV Terminal Upgrades  
**Network Upgrade Description:** Upgrade 345 kV 2000 A breakers and associated switches to 3000 A at Arcadia substation. This upgrades both circuits 1 and 2 of Arcadia - Redbud 345 kV.  
**Network Upgrade Owner:** OGE  
**MOPC Representative(s):** Jacob Langthorn, IV  
**TWG Representative:** Travis Hyde  
**Categorization:** Regional reliability

**SPP-NTC-200204**

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 1426 MVA.

**Network Upgrade Justification:** To address the overload of Arcadia - Redbud 345 kV Ckt 1 for the loss of Arcadia - Redbud 345 kV Ckt 2.

**Estimated Cost for Network Upgrade (current day dollars):** \$1,010,523

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

**Estimated Cost Source:** OGE

**Date of Estimated Cost:** 11/16/2012

**Project ID:** 30441

**Project Name:** Device - Gracemont 345 kV

**Need Date for Project:** 4/1/2015

**Estimated Cost for Project:** \$3,500,452

**Network Upgrade ID:** 50536

**Network Upgrade Name:** Gracemont 345 kV Reactor

**Network Upgrade Description:** Install a 50 Mvar reactor at Gracemont 345 kV bus.

**Network Upgrade Owner:** OGE

**MOPC Representative(s):** Jacob Langthorn, IV

**TWG Representative:** Travis Hyde

**Categorization:** Regional reliability

**Network Upgrade Specification:** Install at least a 50 Mvar reactor.

**Network Upgrade Justification:** To address high voltage at Gracemont 345 kV for the loss of Cimarron - Minco 345 kV Ckt 1 or Gracemont - Minco 345 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$3,500,452

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

**Estimated Cost Source:** OGE

**Date of Estimated Cost:** 11/16/2012

**Project ID:** 30442

**Project Name:** Device - Hunter 345 kV

**Need Date for Project:** 4/1/2016

**Estimated Cost for Project:** \$3,500,452

**Network Upgrade ID:** 50537

**Network Upgrade Name:** Hunter 345 kV Reactor

**Network Upgrade Description:** Install a 30 Mvar reactor at Hunter 345 kV bus for the Hunter - Wichita 345 kV line.

**Network Upgrade Owner:** OGE

**MOPC Representative(s):** Jacob Langthorn, IV

**TWG Representative:** Travis Hyde

**Categorization:** Regional reliability

**SPP-NTC-200204**

**Network Upgrade Specification:** Install at least a 30 Mvar reactor.

**Network Upgrade Justification:** To address high voltage at Chisholm View Wind Farm 345 kV and Hunter 345 kV for the loss of Hunter - Woodring 345 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$3,500,452

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

**Estimated Cost Source:** OGE

**Date of Estimated Cost:** 11/16/2012

**Project ID:** 30445

**Project Name:** Device - Tatonga 345 kV

**Need Date for Project:** 4/1/2013

**Estimated Cost for Project:** \$3,500,452

**Network Upgrade ID:** 50540

**Network Upgrade Name:** Tatonga 345 kV Reactor

**Network Upgrade Description:** Install a 30 Mvar reactor at the Tatonga 345 kV bus on the Tatonga - Woodward District 345 kV line.

**Network Upgrade Owner:** OGE

**MOPC Representative(s):** Jacob Langthorn, IV

**TWG Representative:** Travis Hyde

**Categorization:** Regional reliability

**Network Upgrade Specification:** Install at least a 30 Mvar reactor.

**Network Upgrade Justification:** To address high voltage at Crossroads Wind 345 kV bus and Tatonga 345 kV bus for the loss of Northwest - Tatonga 345 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$3,500,452

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

**Estimated Cost Source:** OGE

**Date of Estimated Cost:** 11/16/2012

**Withdrawal of Upgrades**

**Previous NTC Number:** 20002

**Previous NTC Issue Date:** 2/13/2008

**Project ID:** 518

**Project Name:** Line - HSL East - HSL West 69 kV

**Network Upgrade ID:** 10663

**Network Upgrade Name:** Horseshoe Lake East - Horseshoe Lake West 69 kV Ckt 1

**Network Upgrade Description:** Increase rating of HSL East to HSL West 69 kV line to 143 MVA.

## SPP-NTC-200204

**Reason for Change:** The 2013 ITP Near-Term Assessment determined the upgrade is no longer required.

### **Withdrawal of Network Upgrade**

OGE has been made aware of all Network Upgrades withdrawn through the SPP expansion plan process. This letter is the formal notification to stop any further work on these Network Upgrade(s), collect any cost associated with the Network Upgrade(s), and provide this information to SPP.

### **Commitment to Construct**

Within 90 days of this NTC, please provide to SPP a written commitment to construct the Network Upgrade(s) pursuant to Attachment O, Section VI.6 of the SPP OATT, a construction schedule for the Network Upgrade(s) and the NTC Project Estimate which is the updated  $\pm 20\%$  cost estimate for the Network Upgrade(s) in the Standardized Cost Estimate Reporting Template. 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 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**

Please continue to keep SPP advised of any inability on OGE's part to complete the approved Network Upgrade(s). For project tracking, SPP requires OGE to submit quarterly status updates of the Network Upgrade(s) in conjunction with the SPP Board of Directors meetings. However, OGE 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.

**SPP-NTC-200204**

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". The signature is written in a cursive style.

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  
Jacob Langthorn, IV - OGE  
Travis Hyde - OGE