

**SPP-NTC-200213**

**SPP  
Notification to Construct with Conditions**

February 19, 2013

Mr. Mo Awad  
Westar Energy, Inc.  
P.O. Box 889  
Topeka, KS 66601

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Awad,

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 Westar Energy, Inc. ("WR"), as the Designated Transmission Owner ("DTO"), to construct the Network Upgrade(s). This NTC is conditioned upon WR not ordering materials or beginning construction until:

- (1) the DTO submits a refined NTC-C Project Estimate ("CPE") to SPP that has a variance bandwidth of -20% to +20% that does not exceed the Study Estimate variance bandwidth of -30% to +30% as provided for in SPP's Business Practices; **or**
- (2) the SPP Board of Directors considers SPP's re-evaluation of a project that has a refined CPE from the DTO that exceeds the Study Estimate variance bandwidth of -30% to +30% as provided for in SPP's Business Practices.

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

**New Network Upgrades**

**Project ID:** 30437

**Project Name:** Multi - Geary County 345/115 kV and Geary - Chapman 115 kV

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

**Estimated Cost for Project:** \$63,702,034

**Network Upgrade ID:** 50532

**Network Upgrade Name:** Geary County 345/115 kV Substation

**Network Upgrade Description:** Build new Geary County 345/115 kV substation south

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of Junction City where JEC - Summit 345 kV and McDowell Creek - Junction City #2 115 kV circuits separate. Install 345/115 kV 440 MVA transformer and 115 kV terminal equipment.

**Network Upgrade Owner:** WR

**MOPC Representative(s):** John Olsen, Tom Stuchlik

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 440 MVA.

**Network Upgrade Justification:** To address low voltages along the Abilene - Chapman 115 kV line for the outages: Abilene - Northview 115 kV Ckt 1 and Ckt 2; East Manhattan - Jeffrey Energy Center 230 kV Ckt 1; McDowell Creek - Morris County 230 kV Ckt 1; McDowell Creek 230/115 kV transformer Ckt 1; or various other outages.

**Estimated Cost for Network Upgrade (current day dollars):** \$20,387,444

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

**Estimated Cost Source:** WR

**Date of Estimated Cost:** 12/20/2012

**Network Upgrade ID:** 50534

**Network Upgrade Name:** Chapman Junction - Geary County 115 kV Ckt 1

**Network Upgrade Description:** Build new 15.2-mile Geary County - Chapman Junction 115 kV Ckt 1.

**Network Upgrade Owner:** WR

**MOPC Representative(s):** John Olsen, Tom Stuchlik

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 262 MVA.

**Network Upgrade Justification:** To address low voltages along the Abilene - Chapman 115 kV line for the outages: Abilene - Northview 115 kV Ckt 1 and Ckt 2; East Manhattan - Jeffrey Energy Center 230 kV Ckt 1; McDowell Creek - Morris County 230 kV Ckt 1; McDowell Creek 230/115 kV transformer Ckt 1; or various other outages.

**Estimated Cost for Network Upgrade (current day dollars):** \$27,938,225

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

**Estimated Cost Source:** WR

**Date of Estimated Cost:** 11/15/2012

**Network Upgrade ID:** 50605

**Network Upgrade Name:** Geary County 345 kV

**Network Upgrade Description:** Install 345 kV ring bus at the new Geary County substation.

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**Network Upgrade Owner:** WR

**MOPC Representative(s):** John Olsen, Tom Stuchlik

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 1793 MVA.

**Network Upgrade Justification:** To address low voltages along the Abilene - Chapman 115 kV line for the outages: Abilene - Northview 115 kV Ckt 1 and Ckt 2; East Manhattan - Jeffrey Energy Center 230 kV Ckt 1; McDowell Creek - Morris County 230 kV Ckt 1; McDowell Creek 230/115 kV transformer Ckt 1; or various other outages.

**Estimated Cost for Network Upgrade (current day dollars):** \$15,376,365

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

**Estimated Cost Source:** WR

**Date of Estimated Cost:** 12/20/2012

**Project ID:** 30484

**Project Name:** Multi - Viola 345/138kV Transformer and 138 kV Lines to Clearwater and Gill

**Need Date for Project:** 6/1/2018

**Estimated Cost for Project:** \$78,162,713

**Date of Estimated Cost:** 11/15/2012

**Estimated Cost Source:** WR

**Network Upgrade ID:** 50582

**Network Upgrade Name:** Viola 345/138 kV Transformer Ckt 1

**Network Upgrade Description:** Install new 345/138 kV transformer at Viola substation.

**Network Upgrade Owner:** WR

**MOPC Representative(s):** John Olsen, Tom Stuchlik

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 492 MVA.

**Network Upgrade Justification:** To address the overload of Evans Energy Center South - Lakeridge 138 kV Ckt 1 for the outage of 45th - Evans Energy Center South 138 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$15,402,744

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

**Estimated Cost Source:** WR

**Date of Estimated Cost:** 11/15/2012

**Network Upgrade ID:** 50583

**Network Upgrade Name:** Clearwater - Viola 138 kV Ckt 1

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**Network Upgrade Description:** Build new 21.8-mile 138 kV line from new Viola substation to Clearwater 138 kV substation.

**Network Upgrade Owner:** WR

**MOPC Representative(s):** John Olsen, Tom Stuchlik

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 586 MVA.

**Network Upgrade Justification:** To address the overload of Evans Energy Center South - Lakeridge 138 kV Ckt 1 for the outage of 45th - Evans Energy Center South 138 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$40,525,225

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

**Estimated Cost Source:** WR

**Date of Estimated Cost:** 11/15/2012

**Network Upgrade ID:** 50584

**Network Upgrade Name:** Gill - Viola 138 kV Ckt 1

**Network Upgrade Description:** Build new 27.9-mile 138 kV line from new Viola substation to Gill 138 kV substation.

**Network Upgrade Owner:** WR

**MOPC Representative(s):** John Olsen, Tom Stuchlik

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 586 MVA.

**Network Upgrade Justification:** To address the overload of Evans Energy Center South - Lakeridge 138 kV Ckt 1 for the outage of 45th - Evans Energy Center South 138 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$22,234,744

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

**Estimated Cost Source:** WR

**Date of Estimated Cost:** 11/15/2012

**Network Upgrade ID:** 50612

**Network Upgrade Name:** Viola 345 kV Terminal Equipment

**Network Upgrade Description:** Install 345 kV breakers at Viola substation.

**Network Upgrade Owner:** WR

**MOPC Representative(s):** John Olsen, Tom Stuchlik

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

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**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 492 MVA.

**Network Upgrade Justification:** To address the overload of Evans Energy Center South - Lakeridge 138 kV Ckt 1 for the outage of 45th - Evans Energy Center South 138 kV Ckt 1.

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

### **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, and a construction schedule 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.

### **CPE**

Please provide SPP a CPE by August 31, 2013, as described in SPP's Business Practice No. 7060 regarding Notification to Construct with Conditions. WR shall advise SPP of any inability to provide the CPE by August 31, 2013, as soon as the inability becomes apparent.

### **Removal of Conditions**

Upon notice by SPP of removal of the conditions contained in this NTC, SPP will issue the DTO a new NTC and the following will be applicable:

### **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 WR's part to complete the approved Network Upgrade(s). For project tracking, SPP requires WR to submit quarterly status updates of

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the Network Upgrade(s) in conjunction with the SPP Board of Directors meetings. However, WR 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  
John Olsen - WR  
Tom Stuchlik - WR  
Dracy Jenkins - WR