

**SPP-NTC-20131**

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

February 14, 2011

Mr. Tom Stuchlik  
Westar Energy, Inc.  
PO Box 889  
Topeka, KS 66601

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Stuchlik,

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, to construct the Network Upgrade(s).

On January 25, 2011, the Southwest Power Pool ("SPP") Board of Directors approved the Network Upgrade(s) listed below to be constructed.

**New Network Upgrades**

**Project ID:** 1022

**Project Name:** Multi – 87th Street Substation

**Need Date for Project:** 6/1/2011

**Estimated Cost for Project:** \$26,825,000

**Network Upgrade ID:** 11346

**Network Upgrade Description:** Build new substation at 87<sup>th</sup> Street. Install a 560 MVA 345/115kV three-winding transformer this 87th Street Substation.

**Network Upgrade Owner:** WR

**MOPC Representative:** Tom Stuchlik, John Olsen

**TWG Representative:** Mo Awad **Categorization:** Regional reliability

**Network Upgrade Specification:** Install transformer of 616 MVA emergency rating.

**Network Upgrade Justification:** Replaces projects to reconductor Lawrence Hill - Mockingbird 115 kV (PID 495), Bismark - Farmers Consumer Co-op 115 kV (PID 591), SW Lawrence - Wakarusa - Co-op 115 kV lines (PID 369 & 370).

**Need Date for Network Upgrade:** 6/1/2011

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

**Estimated Cost Source:** WR

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**Network Upgrade ID:** 11344

**Network Upgrade Description:** Tap the Stranger - Craig 345 kV line into a new 87th Street Substation.

**Network Upgrade Owner:** WR

**MOPC Representative:** Tom Stuchlik, John Olsen

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** Install equipment to 1195 MVA emergency rating.

**Network Upgrade Justification:** Replaces projects to reconductor Lawrence Hill - Mockingbird 115 kV (PID 495), Bismark - Farmers Consumer Co-op 115 kV (PID 591), SW Lawrence - Wakarusa - Co-op 115 kV lines (PID 369 & 370).

**Need Date for Network Upgrade:** 6/1/2011

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

**Estimated Cost Source:** WR

**Network Upgrade ID:** 11345

**Network Upgrade Description:** Tap the 95th & Waverly - Monticello 115 kV line into new 87th Street Substation. Tear down and rebuild existing line as new double circuit.

**Network Upgrade Owner:** WR

**MOPC Representative:** Tom Stuchlik, John Olsen

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** Upgrade line to 245 MVA emergency rating.

**Network Upgrade Justification:** Replaces projects to reconductor Lawrence Hill - Mockingbird 115 kV (PID 495), Bismark - Farmers Consumer Co-op 115 kV (PID 591), SW Lawrence - Wakarusa - Co-op 115 kV lines (PID 369 & 370).

**Need Date for Network Upgrade:** 6/1/2011

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

**Estimated Cost Source:** WR

**Project ID:** 1073

**Project Name:** Line – Franklin - Mulberry 69 kV Ckt 1

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

**Estimated Cost for Project:** \$16,098,521

**Network Upgrade ID:** 11413

**Network Upgrade Description:** Tap Litchfield - Marmaton 161 kV line with new Franklin Substation.

**Network Upgrade Owner:** WR

**MOPC Representative:** Tom Stuchlik, John Olsen

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

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**Network Upgrade Specification:** Install equipment to 211 MVA emergency rating.

**Network Upgrade Justification:** To address low voltages from the loss of Litchfield - Pitnac 69 kV or Mulberry - Sheffield 69 kV.

**Need Date for Network Upgrade:** 6/1/2013

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

**Estimated Cost Source:** WR

**Network Upgrade ID:** 11444

**Network Upgrade Description:** Install new 161/69 kV transformer at Franklin.

**Network Upgrade Owner:** WR

**MOPC Representative:** Tom Stuchlik, John Olsen

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** Install transformer to 110 MVA emergency rating.

**Network Upgrade Justification:** To address low voltages from the loss of Litchfield - Pitnac 69 kV or Mulberry - Sheffield 69 kV.

**Need Date for Network Upgrade:** 6/1/2013

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

**Estimated Cost Source:** WR

**Network Upgrade ID:** 11411

**Network Upgrade Description:** Build 6 miles of double circuit 69 kV line (Ckt 1) from new Franklin substation to Mulberry - Sheffield 69 kV line, tapping line and connecting to Mulberry.

**Network Upgrade Owner:** WR

**MOPC Representative:** Tom Stuchlik, John Olsen

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

**Network Upgrade Specification:** Build line to 72 MVA emergency rating.

**Network Upgrade Justification:** To address low voltages from the loss of Litchfield - Pitnac 69 kV or Mulberry - Sheffield 69 kV.

**Need Date for Network Upgrade:** 6/1/2013

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

**Estimated Cost Source:** WR

**Network Upgrade ID:** 11412

**Network Upgrade Description:** Build 6 miles of double circuit 69 kV line (Ckt 2) from new Franklin substation to Mulberry - Sheffield 69 kV line, tapping line and connecting to Sheffield.

**Network Upgrade Owner:** WR

**MOPC Representative:** Tom Stuchlik, John Olsen

**TWG Representative:** Mo Awad

**Categorization:** Regional reliability

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**Network Upgrade Specification:** Build line to 72 MVA emergency rating.  
**Network Upgrade Justification:** To address low voltages from the loss of Litchfield - Pitnac 69 kV or Mulberry - Sheffield 69 kV.  
**Need Date for Network Upgrade:** 6/1/2013  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** WR

### Withdrawal of Upgrades

**Previous NTC number:** 20006  
**Previous NTC issue Date:** 2/13/2008  
**Project ID:** 330  
**Project Name:** Multi – Fort Scott - Marmaton/Litchfield 161 kV

**Network Upgrade ID:** 10426  
**Network Upgrade Description:** Tap Litchfield - Marmaton 161 kV with new Southwest Bourbon Substation and build 22 miles of 161 kV line to Ft. Scott.  
**Reason For Change:** Replaced by PID 1073.

**Network Upgrade ID:** 10427  
**Network Upgrade Description:** Install new 161/69 kV transformer at Ft. Scott.  
**Reason For Change:** Replaced by PID 1073.

**Previous NTC number:** 20006  
**Previous NTC issue Date:** 2/13/2008  
**Project ID:** 369  
**Project Name:** Line – SW Lawrence - Wakarusa 115 kV Ckt 1 Rebuild

**Network Upgrade ID:** 10482  
**Network Upgrade Description:** Rebuild Southwest Lawrence - Wakarusa 115 kV line.  
**Reason For Change:** Replaced by PID 1022 87th Street Project. Re-evaluation of replacement also shows that this project is no longer needed based on 2010 STEP topology and loads.

**Previous NTC number:** 20006  
**Previous NTC issue Date:** 2/13/2008  
**Project ID:** 370  
**Project Name:** Line – Co-op - Wakarusa 115 kV Ckt 1

**Network Upgrade ID:** 10483  
**Network Upgrade Description:** Rebuild 1.53-mile Co-op - Wakarusa 115 kV line.

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**Reason For Change:** Replaced by PID 1022 87th Street Project. Re-evaluation of replacement also shows that this project is no longer needed based on 2010 STEP topology and loads.

**Previous NTC number:** 20086, 20033

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 491

**Project Name:** Line – Bismarck - Co-Op 115 kV Ckt 1

**Network Upgrade ID:** 10636

**Network Upgrade Description:** Rebuild 2.9-mile Bismarck - Farmer's Consumer Co-Op 115 kV line.

**Reason For Change:** Replaced by PID 1022, 87th Street Project.

**Previous NTC number:** 20086, 20033

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 652

**Project Name:** Line – Hutchinson Energy Center - Huntsville 115 kV Ckt 1

**Network Upgrade ID:** 10857

**Network Upgrade Description:** Rebuild the Westar portion of the 28.8 mile HEC - Huntsville 115 kV line and reset CTs at HEC.

**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**Previous NTC number:** 20006

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

**Project ID:** 30096

**Project Name:** Device – Eudora 115 kV

**Network Upgrade ID:** 50102

**Network Upgrade Description:** Install 20 Mvar capacitor bank at Eudora 115 kV Substation.

**Reason For Change:** This project was originally identified in the 2007 STEP and was re-evaluated in the 2010 STEP. Due to lower load levels, the project is no longer needed.

**Previous NTC number:** 20006

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

**Project ID:** 30105

**Project Name:** Device – Springhill 115 kV

**Network Upgrade ID:** 50111

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**Network Upgrade Description:** Install 30 Mvar capacitor bank at Springhill 115 kV Substation.

**Reason For Change:** This project was originally identified in the 2007 STEP and was re-evaluated in the 2010 STEP. Due to lower load levels, the project is no longer needed.

### **Withdrawal of Network Upgrade**

WR has been made aware of all Network Upgrades withdrawn through the expansion plan process. This letter is the formal notification to stop any further work on this Network Upgrade(s), collect any cost associated with the Network Upgrade(s), and provide this information to SPP within 90 days of the date of this NTC.

### **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 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 in the 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**

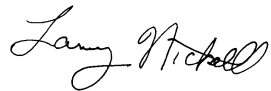
On an ongoing basis, please keep SPP advised of any inability on WR's part to complete the approved Network Upgrade(s). For project tracking purposes, SPP requires WR to submit updates on the status of the Network Upgrade(s) on a quarterly basis in conjunction with the SPP Board of Directors meetings. 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.

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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,



Lanny Nickell  
Vice President, Engineering  
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cc: Carl Monroe, Katherine Prewitt, Mo Awad, John Olsen