

**SPP-NTC-200175**

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

April 9, 2012

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

RE: Notification to Construct Approved ITPNT 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. ("Westar"), as the Designated Transmission Owner, to construct the Network Upgrade(s).

On January 31, 2012, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed as part of the 2012 Integrated Transmission Planning Near-Term ("ITPNT") Assessment.

**New Network Upgrades**

**Project ID:** 624

**Project Name:** Line - Fort Junction - West Junction City 115 kV

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

**Estimated Cost for Project:** \$6,969,136

**Network Upgrade ID:** 10812

**Network Upgrade Name:** Fort Junction Switching Station - West Junction City 115 kV  
Ckt 1

**Network Upgrade Description:** Rebuild 1.83-mile Fort Junction - West Junction City 115 kV line that follows the path of the Jeffery Energy Center - Summit 345 kV line. Remove old double circuit and West Junction City Junction (East) - West Junction City 115 kV line.

**Network Upgrade Owner:** Westar

**MOPC Representative:** 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 240 MVA, but are not limited to that amount.

**Network Upgrade Justification:** To address the overload of the Fort Junction to West Junction City Junction (East) 115 kV line for the outage of the Fort Junction to Junction City 115 kV line.

**Estimated Cost for Network Upgrade (current day dollars):** \$6,969,136

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

**Estimated Cost Source:** Westar

**Date of Estimated Cost:** 12/27/2011

**Project ID:** 30335

**Project Name:** Device - Wheatland 115 kV Capacitor

**Need Date for Project:** 6/1/2012

**Estimated Cost for Project:** \$957,660

**Network Upgrade ID:** 50382

**Network Upgrade Name:** Wheatland 115 kV

**Network Upgrade Description:** Install 10.8 Mvar capacitor at Wheatland 115 kV substation.

**Network Upgrade Owner:** Westar

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

**TWG Representative:** Mo Awad

**Categorization:** Zonal Reliability

**Network Upgrade Specification:** Install at least 10.8 Mvar of capacitance.

**Network Upgrade Justification:** To address the low voltage at Wheatland 115 kV for the loss of West McPherson - Wheatland 115 kV.

**Estimated Cost for Network Upgrade (current day dollars):** \$957,660

**Cost Allocation of the Network Upgrade:** Zonal

**Estimated Cost Source:** Westar

**Date of Estimated Cost:** 10/26/2011

**Project ID:** 30336

**Project Name:** Device - Northwest Manhattan 115 kV Capacitor

**Need Date for Project:** 6/1/2014

**Estimated Cost for Project:** \$957,660

**Network Upgrade ID:** 50383

**Network Upgrade Name:** Northwest Manhattan 115 kV

**Network Upgrade Description:** Install 15 Mvar capacitor at Northwest Manhattan 115 kV substation.

**Network Upgrade Owner:** Westar

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

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**TWG Representative:** Mo Awad

**Categorization:** Zonal Reliability

**Network Upgrade Specification:** Install at least 15 Mvar of capacitance.

**Network Upgrade Justification:** To address low voltage issues at the East Manhattan, McDowell Creek, and Northwest Manhattan 230 kV buses for the loss of East Manhattan to Jeffrey Energy Center 230 kV line.

**Estimated Cost for Network Upgrade (current day dollars):** \$957,660

**Cost Allocation of the Network Upgrade:** Zonal

**Estimated Cost Source:** Westar

**Date of Estimated Cost:** 5/10/2011

**Project ID:** 30339

**Project Name:** Mund - Pentagon 115 kV

**Need Date for Project:** 12/1/2012

**Estimated Cost for Project:** \$278,300

**Network Upgrade ID:** 50386

**Network Upgrade Name:** Pentagon Terminal Upgrades 115 kV

**Network Upgrade Description:** Replace terminal equipment on Pentagon substation to increase Mund - Pentagon 115 kV Ckt 1 to 1200A.

**Network Upgrade Owner:** Westar

**MOPC Representative:** 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 194 MVA, but are not limited to that amount.

**Network Upgrade Justification:** To address the overload of Mund - Pentagon 115 kV for contingency of 87th Street - Craig 345 kV.

**Estimated Cost for Network Upgrade (current day dollars):** \$278,300

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

**Estimated Cost Source:** Westar

**Date of Estimated Cost:** 11/15/2011

**Project ID:** 30348

**Project Name:** Line - Cowskin - Centennial 138 kV rebuild

**Need Date for Project:** 6/1/2012

**Estimated Cost for Project:** \$3,676,071

**Network Upgrade ID:** 50397

**Network Upgrade Name:** Centennial - Cowskin 138 kV rebuild

**Network Upgrade Description:** Rebuild 3.4-mile Cowskin to Centennial 138 kV line.

**Network Upgrade Owner:** Westar

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**MOPC Representative:** 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 287 MVA, but are not limited to that amount.

**Network Upgrade Justification:** To address the overload of the Cowskin - Centennial 138 kV line for the contingency of Evans Energy Center South - Lakeridge 138 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$3,676,071

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

**Estimated Cost Source:** Westar

**Date of Estimated Cost:** 11/28/2011

**Project ID:** 30350

**Project Name:** Device - Elk River 69 kV Capacitor

**Need Date for Project:** 6/1/2012

**Estimated Cost for Project:** \$1,007,160

**Network Upgrade ID:** 50399

**Network Upgrade Name:** Elk River 69 kV

**Network Upgrade Description:** Install second 6 Mvar capacitor at Elk River 69 kV.

**Network Upgrade Owner:** Westar

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

**TWG Representative:** Mo Awad

**Categorization:** Zonal Reliability

**Network Upgrade Specification:** Install at least 6 Mvar of capacitance.

**Network Upgrade Justification:** To address low voltage at Elk River 69 kV for loss of existing Elk River 69 kV capacitor bank.

**Estimated Cost for Network Upgrade (current day dollars):** \$1,007,160

**Cost Allocation of the Network Upgrade:** Zonal

**Estimated Cost Source:** Westar

**Date of Estimated Cost:** 11/15/2011

**Withdrawal of Upgrades**

**Previous NTC Number:** 20033

**Previous NTC Issue Date:** 1/27/2009

**Project ID:** 30128

**Project Name:** Device - Rock Creek 69 kV Capacitor

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**Network Upgrade ID:** 50134  
**Network Upgrade Name:** Rock Creek 69 kV  
**Network Upgrade Description:** Install 10.8 Mvar capacitor at Rock Creek 69 kV bus.  
**Reason for Change:** Re-evaluated in 2012 ITPNT and the upgrade is no longer required.

**Previous NTC Number:** 20033  
**Previous NTC Issue Date:** 1/27/2009  
**Project ID:** 463  
**Project Name:** Line - East Manhattan - McDowell 115 kV to 230 kV conversion

**Network Upgrade ID:** 10602  
**Network Upgrade Name:** East Manhattan - McDowell Creek 230 kV  
**Network Upgrade Description:** The East Manhattan-McDowell 115 kV is built as a 230 kV line but is operated at 115 kV. Substation work will have to be performed in order to convert this line to 230 kV operation.  
**Reason for Change:** Upgrade replaced with the addition of 115 kV bank capacitor at Northwest Manhattan (PID 30336, UID 50383).

**Previous NTC Number:** 20033  
**Previous NTC Issue Date:** 1/27/2009  
**Project ID:** 621  
**Project Name:** Line - E. Manhattan - JEC 230 kV

**Network Upgrade ID:** 10809  
**Network Upgrade Name:** East Manhattan - Jeffrey Energy Center 230 kV Ckt 1  
**Network Upgrade Description:** Upgrade Jeffrey Energy Center - East Manhattan 230 kV line to 100 degrees Celsius operation by raising structures.  
**Reason for Change:** Upgrade no longer required with the withdrawal of the East Manhattan-McDowell 115 kV to 230 kV conversion (PID 463, UID 10602).

**Previous NTC Number:** 20033  
**Previous NTC Issue Date:** 1/27/2009  
**Project ID:** 643  
**Project Name:** Line - Twin Valley - Altamont - Neosho 138 kV

**Network Upgrade ID:** 10844  
**Network Upgrade Name:** Neosho-Twin Valley no. 1 Mound Valley 138 kV Ckt 1  
**Network Upgrade Description:** Tap the Neosho - Twin Valley line into Altamont.  
**Reason for Change:** Due to load drop in the area, the upgrade was re-evaluated in 2012 ITPNT study and was determined to no longer be required.

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**Previous NTC Number:** 20063  
**Previous NTC Issue Date:** 11/2/2009  
**Project ID:** 645  
**Project Name:** XFR - 17th Street 138/69 kV second transformer

**Network Upgrade ID:** 10846  
**Network Upgrade Name:** 17th Street 138/69 kV Transformer Ckt 2  
**Network Upgrade Description:** Add second transformer in 17th Street substation.  
**Reason for Change:** Re-evaluated in 2012 ITPNT and the upgrade is no longer required.

**Previous NTC Number:** 20086  
**Previous NTC Issue Date:** 2/8/2010  
**Project ID:** 533  
**Project Name:** XFR - Auburn Road 230/115 kV

**Network Upgrade ID:** 10678  
**Network Upgrade Name:** Auburn Road 230/115 kV Transformer Ckt 2  
**Network Upgrade Description:** Install second Auburn Road 230/115 kV transformer.  
**Reason for Change:** No room available in substation to add second transformer. The upgrade was replaced with upgrade of existing Auburn 230/115 kV transformer (PID 30349, UID 50398).

**Previous NTC Number:** 20108  
**Previous NTC Issue Date:** 8/25/2010  
**Project ID:** 30390  
**Project Name:** Line - East Manhattan - JEC 230 kV

**Network Upgrade ID:** 10600  
**Network Upgrade Name:** East Manhattan - Jeffrey Energy Center 230 kV Ckt 1 #2  
**Network Upgrade Description:** Rebuild existing line to 345 kV operated as 230 kV.  
**Reason for Change:** Upgrade no longer required with the withdrawal of East Manhattan - McDowell 115 kV to 230 kV conversion (PID 463, UID 10602). This project ID was changed from PID 463 to PID 30390 to correct conflicts in SPP's new database.

**Withdrawal of Network Upgrade**

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



## SPP-NTC-200175

### **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 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 once 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**

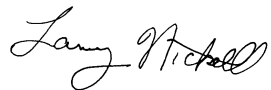
Please keep SPP advised of any inability on Westar's part to complete the approved Network Upgrade(s). For project tracking purposes, SPP requires Westar to submit status updates for the Network Upgrade(s) quarterly, in conjunction with the SPP Board of Directors meetings. However, Westar shall also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

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Sincerely,



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