



June 22, 2012

Mr. Lanny Nickell  
Vice President, Engineering  
Southwest Power Pool  
415 N. McKinley, Suite 140  
Little Rock, AR 72205-3020

Re: Notification to Construct Approved Balanced Portfolio Network Upgrades (NTC-200188)

Dear Mr. Nickell,

In response to your letter dated April 17, 2012, regarding KCP&L's request to include KCP&L Greater Missouri Operations Company (GMO) as a designated Transmission Owner to construct portions of the approved Balanced Portfolio Project ID 703, Iatan to Nashua 345kV, KCP&L responds as follows:

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") KCP&L has coordinated with GMO and will construct the substation terminal portions of Project ID 703 as described below.

Previous NTC number: 20042  
Previous NTC Issue date: 6/19/2009  
Project ID: 703  
Project Name: Mult – Iatan – Nashua 345 kV  
Need Date for Project: 6/1/2015  
Estimated Cost for Project: \$64,800,000 (includes upgrades not part of this NTC)

Network Upgrade ID: 10935  
Network Upgrade Name: Iatan – Nashua substation upgrades  
Network Upgrade Description: Add 345 kV line terminal at Iatan; add 4 breaker 345 kV ring bus substation at Nashua with 3 line terminals (Iatan, St. Joseph, Hawthorn) and 1 345/161 kV autotransformer terminal; upgrade Nashua 161kV substation to accommodate new autotransformer terminal; increase Nashua – Nashua North tie capacity to 2000 amps or higher  
Network Upgrade Owner: KCP&L  
MOPC Representative: Todd Fridley  
TWG Representative: Harold Wyble  
Categorization: Balanced Portfolio



Network Upgrade Specification: All 345 kV substation elements must be rated for 3000 amps or higher. Upgrades to Nashua 161 kV substation must be rated 2000 amps or higher.

Network Upgrade Justification: Balanced Portfolio 3E "adjusted"

Estimated Cost for Network Upgrade (current day dollars): \$10,156,909

Cost Allocation of the Network Upgrade: Region-wide charge as specified by Attachment J, SPP OATT

Estimated Cost Source: KCP&L

Date of Estimated Cost: 6/11/2012

For the above project, KCP&L will provide the following administrative items:

- 1) Provide quarterly project status updates for each Network Upgrade as part of SPP's project tracking process.
- 2) Advise SPP of any inability on KCP&L's part to complete each Network Upgrade.
- 3) Submit a notification of commercial operation for each Network Upgrade as soon as the Network Upgrade is completed and placed into service.
- 4) Submit the total actual costs for each Network Upgrade as it is available after the construction is completed.

Please feel free to contact me directly if you have any questions or comments regarding KCP&L's response to SPP's Notification to Construct Regional Reliability Network Upgrades.

Sincerely,

*Harold G. Wyble*

Harold G. Wyble

Manager, Transmission Planning

Tel: (816) 654-1213 ■ Cell: (816) 835-9926 ■ Email: harold.wyble@kcpl.com

C: Bill Herdegen, Jeff Wolf, Jim McBee, Leroy Lutes, Charles Locke  
Carl Monroe, Katherine Prewitt, Todd Fridley, Patricia Denny  
SPPprojecttracking@spp.org



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Re: Notification to Construct Approved Balanced Portfolio Network Upgrades (NTC-200189)

Dear Mr. Nickell,

In response to your letter dated April 17, 2012, regarding KCP&L's request to include KCP&L Greater Missouri Operations Company (GMO) as a designated Transmission Owner to construct portions of the approved Balanced Portfolio Project ID 703, Iatan to Nashua 345kV, GMO responds as follows:

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") GMO has coordinated with KCP&L and will construct the transmission line portions of Project ID 703 as described below.

Previous NTC number: 20042  
Previous NTC Issue date: 6/19/2009  
Project ID: 703  
Project Name: Mult – Iatan – Nashua 345 kV  
Need Date for Project: 6/1/2015  
Estimated Cost for Project: \$64,800,000 (includes upgrades not part of this NTC)

Network Upgrade ID: 50449  
Network Upgrade Name: Iatan – Nashua 345kV Ckt 1  
Network Upgrade Description: Construct new 345 kV transmission line from Iatan to Nashua approximately 30 miles  
Network Upgrade Owner: GMO  
MOPC Representative: Patty Denny  
TWG Representative: Harold Wyble  
Categorization: Balanced Portfolio  
Network Upgrade Specification: 345 kV transmission line must have an emergency rating of 3000 amps or higher.  
Network Upgrade Justification: Balanced Portfolio 3E "adjusted"



Estimated Cost for Network Upgrade (current day dollars): \$50,643,091  
Cost Allocation of the Network Upgrade: Region-wide charge as specified by Attachment J, SPP OATT  
Estimated Cost Source: GMO  
Date of Estimated Cost: 6/11/2012

For the above project, GMO will provide the following administrative items:

- 1) Provide quarterly project status updates for each Network Upgrade as part of SPP's project tracking process.
- 2) Advise SPP of any inability on GMO's part to complete each Network Upgrade.
- 3) Submit a notification of commercial operation for each Network Upgrade as soon as the Network Upgrade is completed and placed into service.
- 4) Submit the total actual costs for each Network Upgrade as it is available after the construction is completed.

Please feel free to contact me directly if you have any questions or comments regarding GMO's response to SPP's Notification to Construct Regional Reliability Network Upgrades.

Sincerely,

*Harold G. Wyble*

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Manager, Transmission Planning  
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