

**SPP-NTC-210538****SPP  
Notification to Construct**

November 18, 2019

Mr. Robert Pick  
Nebraska Public Power District  
P.O. Box 608  
York, NE 68467

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Pick,

Pursuant to Section 3.3 of the Southwest Power Pool, Inc. ("SPP") Membership Agreement and Attachments O and Y of the SPP Open Access Transmission Tariff ("OATT"), SPP provides this Notification to Construct ("NTC") directing Nebraska Public Power District ("NPPD"), as the Designated Transmission Owner, to construct the Network Upgrade(s).

On October 29, 2019, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed as part of the 2019 Integrated Transmission Planning ("ITP") Assessment.

**New Network Upgrades****Project ID:** 81505**Project Name:** Sub - Canaday 115 kV**Need Date for Project:** 6/1/2021**Estimated Cost for Project:** \$2,600,000**Network Upgrade ID:** 112366**Network Upgrade Name:** Canaday 115 kV Breakers**Network Upgrade Description:** Replace 5 breakers at Canaday 115 kV with 40 kA breakers**Network Upgrade Owner:** NPPD**MOPC Representative(s):** Robert Pick**TWG Representative:** Randy Lindstrom**Categorization:** Regional Reliability**Network Upgrade Specification:** Breaker(s) must be rated at least 40 kA**Network Upgrade Justification:** Project identified in 2019 ITP Assessment

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**Estimated Cost for Network Upgrade (current day dollars):** \$2,600,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** NPPD  
**Date of Estimated Cost:** 4/22/2019

**Project ID:** 81506  
**Project Name:** Sub - Hastings 115 kV  
**Need Date for Project:** 6/1/2021  
**Estimated Cost for Project:** \$550,000

**Network Upgrade ID:** 112367  
**Network Upgrade Name:** Hastings 115 kV Breakers  
**Network Upgrade Description:** Replace 2 breakers at Hastings 115 kV with 40 kA breakers  
**Network Upgrade Owner:** NPPD  
**MOPC Representative(s):** Robert Pick  
**TWG Representative:** Randy Lindstrom  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** Breaker(s) must be rated at least 40 kA  
**Network Upgrade Justification:** Project identified in 2019 ITP Assessment  
**Estimated Cost for Network Upgrade (current day dollars):** \$550,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** NPPD  
**Date of Estimated Cost:** 4/22/2019

**Project ID:** 81507  
**Project Name:** Sub - Moore 13.8 kV Breaker  
**Need Date for Project:** 6/1/2021  
**Estimated Cost for Project:** \$510,000

**Network Upgrade ID:** 112368  
**Network Upgrade Name:** Moore 13.8 kV Breaker  
**Network Upgrade Description:** Replace 1 breaker at Moore 13.8 kV with 40 kA breakers  
**Network Upgrade Owner:** NPPD  
**MOPC Representative(s):** Robert Pick  
**TWG Representative:** Randy Lindstrom

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**Categorization:** Regional Reliability  
**Network Upgrade Specification:** Breaker(s) must be rated at least 40 kA  
**Network Upgrade Justification:** Project identified in 2019 ITP Assessment  
**Estimated Cost for Network Upgrade (current day dollars):** \$510,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** NPPD  
**Date of Estimated Cost:** 4/22/2019

**Project ID:** 81533  
**Project Name:** Sub – Firth 115kV  
**Need Date for Project:** 4/1/2021  
**Estimated Cost for Project:** \$3,370,000

**Network Upgrade ID:** 112403  
**Network Upgrade Name:** Firth Cap Bank 115kV Ckt 1  
**Network Upgrade Description:** Install new 15 MVAR capacitor bank at Firth 115 kV substation.  
**Network Upgrade Owner:** NPPD  
**MOPC Representative(s):** Robert Pick  
**TWG Representative:** Randy Lindstrom  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** New 15 MVAR capacitor bank at Firth 115 kV substation  
**Network Upgrade Justification:** Project identified in 2019 ITP Assessment  
**Estimated Cost for Network Upgrade (current day dollars):** \$570,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** NPPD  
**Date of Estimated Cost:** 4/22/2019

**Network Upgrade ID:** 112404  
**Network Upgrade Name:** Firth Substation Expansion  
**Network Upgrade Description:** Expand the existing Firth 115 kV substation to accommodate a new 15 MVAR capacitor bank.  
**Network Upgrade Owner:** NPPD  
**MOPC Representative(s):** Robert Pick  
**TWG Representative:** Randy Lindstrom  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** Expand the existing Firth 115 kV substation to accommodate a new 15 MVAR capacitor bank.

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**Network Upgrade Justification:** Project identified in 2019 ITP Assessment.  
**Estimated Cost for Network Upgrade (current day dollars):** \$2,800,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** NPPD  
**Date of Estimated Cost:** 4/22/2019

**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, 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 the SPP OATT 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**

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

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Thank you for the important role that you play in maintaining the reliability of our electric grid.

Sincerely,



Lanny Nickell

Sr. Vice President, Engineering

Phone: (501) 614-3232 • Fax: (501) 482-2022 • [lnickell@spp.org](mailto:lnickell@spp.org)

cc: Carl Monroe - SPP  
Antoine Lucas - SPP  
Jay Caspary - SPP  
Randy Lindstrom - NPPD