

SPP-NTC-210534

SPP
Notification to Construct with Conditions

November 13, 2019

Mr. Troy Via
Omaha Public Power District
444 South 16th Street Mall
Omaha, NE 68102

RE: Notification to Construct Approved Reliability Network Upgrades with Conditions

Dear Mr. Via,

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 Omaha Public Power District ("OPPD"), as the Designated Transmission Owner, to construct the Network Upgrade(s). This NTC is conditioned upon OPPD 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 $\pm 20\%$ that does not exceed the Study Estimate variance bandwidth of $\pm 30\%$ 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 $\pm 30\%$ as provided for in SPP's Business Practices.

On July 25, 2018, SPP concluded that the Network Upgrade(s) below are required on the OPPD system to fulfill delivery point addition request(s) as detailed in the Delivery Point Network Study DPA-2018-February-841. On September 28, 2018, SPP received all executed Transmission Service Agreements associated with DPA-2018-February-841.

New Network Upgrades

Project ID: 71348

Project Name: Multi - S1361

Need Date for Project: 6/1/2021

Estimated Cost for Project: \$40,667,525

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Network Upgrade ID: 102159
Network Upgrade Name: S3761 345 kV Substation
Network Upgrade Description: Build a new 345 kV Substation at S3761
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner
TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All elements and conductor must have at least an emergency rating of 1792 MVA.
Network Upgrade Justification: DPA-2018-February-841
Estimated Cost for Network Upgrade (current day dollars): \$4,610,067
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

Network Upgrade ID: 102160
Network Upgrade Name: S3761 - S3455 345 kV New Line
Network Upgrade Description: Build a new 4.5 mile S3761 - S3455 345 kV Line
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner
TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All elements and conductor must have at least an emergency rating of 1792 MVA.
Network Upgrade Justification: DPA-2018-February-841
Estimated Cost for Network Upgrade (current day dollars): \$17,036,209
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

Network Upgrade ID: 102161
Network Upgrade Name: S1361 161 kV Substation and 345/161 kV Transformer
Network Upgrade Description: Build a new S1361 161 kV Substation with new 345/161 kV transformer
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner
TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All elements and conductor must have at least an emergency rating of 554 MVA.
Network Upgrade Justification: DPA-2018-February-841

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Estimated Cost for Network Upgrade (current day dollars): \$9,707,827
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

Network Upgrade ID: 102162
Network Upgrade Name: S1260 161/69 kV Transformer (161 kV)
Network Upgrade Description: 161 kV bus work associated with new S1260 161/69 kV Transformer
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner
TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All elements and conductor must have at least an emergency rating of 134 MVA.
Network Upgrade Justification: DPA-2018-February-841
Estimated Cost for Network Upgrade (current day dollars): \$1,105,064
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

Network Upgrade ID: 102163
Network Upgrade Name: S1209 - S1231 Ckt 2 161 kV Reconductor
Network Upgrade Description: Reconductor 3.3 miles of S1209 - S1231 161 kV Ckt 2
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner
TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All elements and conductor must have at least an emergency rating of 554 MVA.
Network Upgrade Justification: DPA-2018-February-841
Estimated Cost for Network Upgrade (current day dollars): \$3,647,471
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

Network Upgrade ID: 102165
Network Upgrade Name: S1259 - S1260 161 kV Rebuild
Network Upgrade Description: Rebuild 2.6 miles of S1259 - S1260 161 kV
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner

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TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All elements and conductor must have at least an emergency rating of 554 MVA.
Network Upgrade Justification: DPA-2018-February-841
Estimated Cost for Network Upgrade (current day dollars): \$2,107,486
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

Network Upgrade ID: 102166
Network Upgrade Name: S1255 Terminal Upgrades (new breakers)
Network Upgrade Description: Upgrade breakers at S1255
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner
TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All breakers at S1255 must be rated to at least 50.2 kA.
Network Upgrade Justification: DPA-2018-February-841
Estimated Cost for Network Upgrade (current day dollars): \$654,180
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

Network Upgrade ID: 112357
Network Upgrade Name: S1260 161/69 kV Transformer (69 kV)
Network Upgrade Description: Add new S1260 161/69 kV Transformer and associated 69 kV bus work
Network Upgrade Owner: OPPD
MOPC Representative(s): Luke Haner
TWG Representative: Joshua Verzal
Categorization: Regional Reliability
Network Upgrade Specification: All elements and conductor must have at least an emergency rating of 134 MVA.
Network Upgrade Justification: DPA-2018-February-841
Estimated Cost for Network Upgrade (current day dollars): \$1,799,221
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: OPPD
Date of Estimated Cost: 10/17/2019

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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.

CPE

Please provide SPP a CPE by May 13, 2020, as described in SPP's Business Practice No. 7060 regarding Notification to Construct with Conditions. OPPD shall advise SPP of any inability to provide the CPE by May 13, 2020, 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

On an ongoing basis, please keep SPP advised of any inability on OPPD's part to complete the approved Network Upgrade(s). For project tracking, SPP requires OPPD to submit status updates of the Network Upgrade(s) quarterly in conjunction with the SPP Board of Directors meetings. However, OPPD shall also advise SPP of any inability to comply with the Project Schedule as soon as the inability becomes apparent.

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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".

Sr. Lanny Nickell

Vice President, Engineering

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

cc: Carl Monroe - SPP
Antoine Lucas - SPP
Jay Caspary - SPP
Dan Lenihan - OPPD
Joe Lang - OPPD
Josh Verzal – OPPD
Luke Haner – OPPD
Steve Hohman - OPPD