

**SPP-NTC-210548****SPP  
Notification to Construct**

December 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

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).

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.

SPP Issued NTC-C 210534 on November 13, 2019. On November 26, 2019, SPP received OPPD's NTC-C Project Estimates ("CPE") for Network Upgrades specified in the NTC-C. SPP has reviewed the CPEs and determined that requirements of Condition No. 1 of the NTC have been met.

**New Network Upgrades****Project ID:** 71348**Project Name:** Multi - S1361**Need Date for Project:** 6/1/2021**Estimated Cost for Project:** \$40,667,525**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

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**TWG Representative:** Josh 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:** Josh 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:** Josh 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):** \$9,707,827  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** OPPD  
**Date of Estimated Cost:** 10/17/2019

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**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:** Josh 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:** Josh Verzal  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 446 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  
**TWG Representative:** Josh 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):** \$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 161 kV Terminal Upgrades (new breakers)  
**Network Upgrade Description:** Upgrade breakers at S1255  
**Network Upgrade Owner:** OPPD  
**MOPC Representative(s):** Luke Haner  
**TWG Representative:** Josh 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:** Josh Verzal  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 65 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

**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 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)

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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 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.

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".

Lanny Nickell  
Senior Vice President, Engineering  
Phone: (501) 614-3232 • Fax: (501) 482-2022 • [lnickell@spp.org](mailto:lnickell@spp.org)

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cc: Carl Monroe – SPP  
Antoine Lucas – SPP  
Jay Caspary – SPP  
Josh Verzal – OPPD  
Luke Haner – OPPD  
Steve Hohman – OPPD