

**SPP-NTC-210574**

**1 SPP  
Notification to Construct**

November 17, 2020

Mr. Jarred Cooley  
Southwestern Public Service Company  
790 S Buchanan Street  
Amarillo, TX 79101

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Cooley,

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 Southwestern Public Service Company ("SPS"), as the Designated Transmission Owner, to construct the Network Upgrade(s).

On October 27, 2020, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed as part of the 2020 Integrated Transmission Planning ("ITP") Assessment.

**New Network Upgrades**

**Project ID:** 81682

**Project Name:** Line - Allen - Quaker 115kV

**Need Date for Project:** 6/1/2022

**Estimated Cost for Project:** \$4,732,267

**Network Upgrade ID:** 122725

**Network Upgrade Name:** Allen - Quaker 115 kV Ckt 1 Rebuild

**Network Upgrade Description:** Rebuild 3.6 miles 115 kV line from Allen to Quaker and upgrade any necessary terminal equipment to achieve a summer emergency rating of 300 MVA

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** William Grant

**TWG Representative:** Jarred Cooley

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 300 MVA

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**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$4,732,267  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/7/2020

**Project ID:** 81684  
**Project Name:** Line - Allen - Lubbock South 115kV  
**Need Date for Project:** 6/1/2022  
**Estimated Cost for Project:** \$6,817,226

**Network Upgrade ID:** 122727  
**Network Upgrade Name:** Allen - Lubbock South 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 5.98 miles of 115 kV line from Allen to Lubbock South and upgrade any necessary terminal equipment to achieve a summer emergency rating of 300 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 300 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$6,817,226  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/7/2020

**Project ID:** 81755  
**Project Name:** Sub - Bushland - Deaf Smith 230 kV  
**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$923,938

**Network Upgrade ID:** 122869  
**Network Upgrade Name:** Bushland - Deaf Smith 230 kV Terminal Upgrades  
**Network Upgrade Description:** Increase clearances and upgrade any necessary terminal equipment at Bushland and/or Deaf Smith 230 kV to achieve a summer emergency rating of 546 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley

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**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 546 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$923,938  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/7/2020

**Project ID:** 81756  
**Project Name:** Sub - Newhart - Potter 230 kV  
**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$731,282

**Network Upgrade ID:** 122870  
**Network Upgrade Name:** Newhart - Potter 230 kV Terminal Upgrades  
**Network Upgrade Description:** Increase clearances and upgrade any necessary terminal equipment at Newhart and/or Potter 230 kV to achieve a summer emergency rating of 540 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 540 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$731,282  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/7/2020

**Project ID:** 81757  
**Project Name:** Sub - Deaf Smith #6 - Friona 115 kV  
**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$12,626,190

**Network Upgrade ID:** 122871  
**Network Upgrade Name:** Deaf Smith #6 - Friona 115 kV Rebuild  
**Network Upgrade Description:** Rebuild 18.9 miles of 115 kV line from Deaf Smith #6 to Friona and upgrade any necessary terminal equipment at Deaf Smith #6 and/or Friona to achieve a summer emergency rating of 175 MVA

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**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 175 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$12,626,190  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/7/2020

**Project ID:** 81758  
**Project Name:** Line - Carlisle - Murphy 115 kV #2  
**Need Date for Project:** 6/1/2022  
**Estimated Cost for Project:** \$4,746,175

**Network Upgrade ID:** 122872  
**Network Upgrade Name:** Carlisle - Murphy 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 4.0 miles of 115 kV line from Carlisle to Murphy and upgrade any necessary terminal equipment to achieve a summer emergency rating of 239 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 239 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$4,746,175  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 7/7/2020

**Project ID:** 81760  
**Project Name:** Line - Deaf Smith #6 - Hereford 115 kV  
**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$6,660,556

**Network Upgrade ID:** 122876  
**Network Upgrade Name:** Deaf Smith #6 - Hereford 115 kV Ckt 1 Rebuild

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**Network Upgrade Description:** Rebuild 7.12 miles of 115 kV line from Deaf Smith #6 to Hereford and upgrade any necessary terminal equipment to achieve a summer emergency rating of 239 MVA

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** William Grant

**TWG Representative:** Jarred Cooley

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 239 MVA

**Network Upgrade Justification:** 2020 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$6,660,556

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 7/7/2020

**Project ID:** 81763

**Project Name:** Sub - Lubbock South - Wolfforth 230 kV

**Need Date for Project:** 6/1/2022

**Estimated Cost for Project:** \$872,391

**Network Upgrade ID:** 122883

**Network Upgrade Name:** Lubbock South - Wolfforth 230 kV Ckt 1 Terminal Upgrades #2

**Network Upgrade Description:** Increase clearances and upgrade any necessary terminal equipment at Lubbock South and/or Wolfforth to achieve a summer emergency rating of 549 MVA

**Network Upgrade Owner:** SPS

**MOPC Representative(s):** William Grant

**TWG Representative:** Jarred Cooley

**Categorization:** Regional Reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 549 MVA

**Network Upgrade Justification:** 2020 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$872,391

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 7/7/2020

**Project ID:** 91884

**Project Name:** Line - Cargill - Friona 115 kV

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**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$817,466

**Network Upgrade ID:** 143167  
**Network Upgrade Name:** Cargill - Friona 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 1.15 miles of existing 115 kV line from Cargill to Friona and upgrade any necessary terminal equipment to achieve a summer emergency rating of 240 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 240 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$817,466  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 9/15/2020

**Project ID:** 91888  
**Project Name:** Line - Cargill - Deaf Smith #24 115 kV  
**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$5,501,901

**Network Upgrade ID:** 143168  
**Network Upgrade Name:** Cargill - Deaf Smith #24 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 7.74 miles of 115 kV line from Cargill to Deaf Smith #24 and upgrade any necessary terminal equipment to achieve a summer emergency rating of 240 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 240 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$5,501,901  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 9/15/2020



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**Project ID:** 91889  
**Project Name:** Line - Parmer - Deaf Smith #24 115 kV  
**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$824,574

**Network Upgrade ID:** 143169  
**Network Upgrade Name:** Parmer - Deaf Smith #24 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 1.16 miles of 115 kV line from Parmer - Deaf Smith #24 and upgrade any necessary terminal equipment to achieve a summer emergency rating of 240 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 240 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$824,574  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 9/15/2020

**Project ID:** 91890  
**Project Name:** Line - Parmer - Deaf Smith #20 115 kV  
**Need Date for Project:** 4/1/2022  
**Estimated Cost for Project:** \$5,402,384

**Network Upgrade ID:** 143170  
**Network Upgrade Name:** Parmer - Deaf Smith #20 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 7.6 miles of 115 kV line from Parmer - Deaf Smith #20 and upgrade any necessary terminal equipment to achieve a summer emergency rating of 240 MVA  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** Jarred Cooley  
**Categorization:** Regional Reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 240 MVA  
**Network Upgrade Justification:** 2020 ITP  
**Estimated Cost for Network Upgrade (current day dollars):** \$5,402,384  
**Cost Allocation of the Network Upgrade:** Base Plan

**SPP-NTC-210574****Estimated Cost Source: SPP**  
**Date of Estimated Cost: 9/15/2020****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 SPS's part to complete the approved Network Upgrade(s). For project tracking, SPP requires SPS to submit status updates of the Network Upgrade(s) quarterly in conjunction with the SPP Board of Directors meetings. However, SPS 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,



Antoine Lucas  
Vice President, Engineering  
Phone: (501) 614-3382 • Fax: (501) 482-2022 • [alucas@spp.org](mailto:alucas@spp.org)

cc: Lanny Nickell - SPP  
Casey Cathey - SPP  
David Kelley - SPP  
William Grant - SPS