

SPP-NTC-220880

SPP
Notification to Construct

January 23, 2025

Mr. Nate Morris
Empire District Electric Company
P.O. Box 127
Joplin, MO 64802

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Morris,

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 Empire District Electric Company ("EDE"), as the Designated Transmission Owner, to construct the Network Upgrades.

On December 9, 2024, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed as part of 2024 ITP.

New Network Upgrades

Project ID: 94630

Project Name: Line - N Reeds Spring 161 kV - S Reeds Spring 161 kV Rebuild

Need Date for Project: 12/1/2025

Estimated Cost for Project: \$3,266,430

Network Upgrade ID: 159382

Network Upgrade Name: N Reeds Spring - S Reeds Spring 161 kV Ckt 1 Rebuild

Network Upgrade Description: Rebuild 1.5 mile Ckt 1 line from N Reeds Spring 161 kV substation to S Reeds Spring 161 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP
Estimated Cost for Network Upgrade (current day dollars): \$2,353,884
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: EDE
Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 159383
Network Upgrade Name: N Reeds Spring 161 kV Terminal Upgrade
Network Upgrade Description: Install any necessary terminal equipment at N Reeds Spring 161 kV substation for the line from N Reeds Spring 161 kV substation to S Reeds Spring 161 kV substation with a summer emergency rating of 557 MVA.
Network Upgrade Owner: EDE
MOPC Representative(s): Aaron Doll
TWG Representative(s): Nate Morris
Categorization: To Be Finalized
Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating
Network Upgrade Justification: 2024 ITP
Estimated Cost for Network Upgrade (current day dollars): \$786,451
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: EDE
Date of Estimated Cost: 7/2/2024

Network Upgrade ID: 159384
Network Upgrade Name: S Reeds Spring 161 kV Terminal Upgrade
Network Upgrade Description: Install any necessary terminal equipment at S Reeds Spring 161 kV substation for the line from S Reeds Spring 161 kV substation to N Reeds Spring 161 kV substation with a summer emergency rating of 557 MVA.
Network Upgrade Owner: EDE
MOPC Representative(s): Aaron Doll
TWG Representative(s): Nate Morris
Categorization: To Be Finalized
Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating
Network Upgrade Justification: 2024 ITP
Estimated Cost for Network Upgrade (current day dollars): \$126,095
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: EDE
Date of Estimated Cost: 6/10/2024

Project ID: 94648

Project Name: Line - Ozark Dam 161 kV - Branson North 161 kV Rebuild

Need Date for Project: 12/1/2025

Estimated Cost for Project: \$12,375,255

Network Upgrade ID: 159438

Network Upgrade Name: Branson North - Ozark Dam 161 kV Ckt 1 Rebuild

Network Upgrade Description: Rebuild 7.1 mile Ckt 1 line from Ozark Dam 161 kV substation to Branson North 161 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$11,489,688

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EDE

Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 159439

Network Upgrade Name: Ozark Dam 161 kV Terminal Upgrade

Network Upgrade Description: Install any necessary terminal equipment at Ozark Dam 161 kV substation to support the line from Ozark Dam 161 kV substation to Branson North 161 kV substation with a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$249,323

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EDE

Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 159440

Network Upgrade Name: Branson North 161 kV Terminal Upgrade

Network Upgrade Description: Install any necessary terminal equipment at Branson North 161 kV substation to support the line from Branson North 161 kV substation to Ozark Dam 161 kV substation with a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$636,244

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EDE

Date of Estimated Cost: 10/28/2024

Project ID: 94910

Project Name: Line - Branson North - Branson Northwest - North Branson - Reeds Spring 161 kV Rebuild

Need Date for Project: 11/12/2024

Estimated Cost for Project: \$16,190,379 (this project cost reflects Network Upgrades not included in this NTC)

Network Upgrade ID: 159385

Network Upgrade Name: Reeds Spring - Branson Northwest 161 kV Ckt 1 Rebuild

Network Upgrade Description: Rebuild 8.3 mile Ckt 1 line from Reeds Spring 161 kV substation to Branson Northwest 161 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$12,918,360

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EDE

Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 159387

Network Upgrade Name: Branson Northwest 161 kV Terminal Upgrade

Network Upgrade Description: Install any necessary terminal equipment at Branson Northwest 161 kV substation to support the line from Branson Northwest 161 kV substation to Reed Spring 161 kV substation with a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$357,827

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 170401

Network Upgrade Name: Branson Northwest - Branson North 161 kV Ckt 1 Rebuild

Network Upgrade Description: Rebuild 0.9 mile Ckt 1 line from Branson Northwest 161 kV substation to Branson North 161 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$1,347,741

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EDE

Date of Estimated Cost: 10/28/2024

Network Upgrade ID: 170402

Network Upgrade Name: Branson Northwest 161 kV Terminal Upgrade #2

Network Upgrade Description: Install any necessary terminal equipment at Branson Northwest 161 kV substation to support the line from Branson Northwest 161 kV substation to Branson North 161 kV substation with a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$480,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EDE

Date of Estimated Cost: 10/28/2024

Network Upgrade ID: 170403

Network Upgrade Name: Branson North 161 kV Terminal Upgrade #3

Network Upgrade Description: Install any necessary terminal equipment at Branson North 161 kV substation to support the line from Branson North 161 kV substation to Branson Northwest 161 kV substation with a summer emergency rating of 557 MVA.

Network Upgrade Owner: EDE

MOPC Representative(s): Aaron Doll

TWG Representative(s): Nate Morris

Categorization: To Be Finalized

Network Upgrade Specification: All elements and conductor to meet or exceed 557/557/557/557 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$300,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EDE

Date of Estimated Cost: 10/28/2024

Commitment to Construct

Please provide to SPP a written commitment to construct the Network Upgrade(s) by April 23, 2025. 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.

Project Schedule and In Service Date

In addition to a written commitment to construct, please provide a detailed project schedule, updated $\pm 20\%$ NTC Project Estimate, and an Estimated In-Service Date in the Standardized Cost Estimate Reporting Template for the Network Upgrade(s).

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 EDE's part to complete the approved Network Upgrade(s). For project tracking, SPP requires EDE's to submit status updates of the Network Upgrade(s) quarterly in conjunction with the SPP Board of Directors meetings. However, EDE shall also advise SPP of any inability to comply with the Project In-Service Date as soon as the inability becomes apparent, and no later than 45 days before the First Reported In-Service Date agreed to upon acceptance of the NTC.

All terms and conditions of the SPP OATT and the SPP Membership Agreement shall apply to this project(s), and nothing in this letter shall vary such terms and conditions.

Don't hesitate to contact me if you have questions or comments about these requests. 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 "Casey Cathey".

Casey Cathey

Vice President, Engineering

Phone: (501) 614-3267 • Fax: (501) 482-2022 • ccathey@spp.org

cc: Lanny Nickell - SPP
Sunny Raheem - SPP
Natasha Henderson - SPP
Tony Green - SPP
Aaron Doll - EDE
SPPprojecttracking