

SPP Notification to Construct

December 13, 2024

Mr. Blake Poole
Eversource Kansas Central, Inc.
P.O. Box 418679
Kansas City, MO 64141-9679

RE: Notification to Construct Approved Reliability/Economic Network Upgrades

Dear Mr. Poole,

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 Eversource Kansas Central, Inc. ("EKC"), as the Designated Transmission Owner, to construct the Network Upgrades.

On October 29, 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: 94596

Project Name: Line - Lawrence Energy Center Unit 3 115 kV - Lawrence Hill 115 kV Rebuild

Need Date for Project: 1/1/2025

Estimated Cost for Project: \$3,633,22

Network Upgrade ID: 159285

Network Upgrade Name: Lawrence Energy Center Unit 3 - Lawrence Hill 115 kV Ckt 1 Rebuild

Network Upgrade Description: Rebuild 0.5-mile 115 kV Ckt 1 line from Lawrence Energy Center Unit 3 115 kV substation to Lawrence Hill 115 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 239 MVA.

Network Upgrade Owner: EKC

MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke

TWG Representative(s): Derek Brown

Categorization: Regional Reliability

Network Upgrade Specification: All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$2,365,074

Cost Allocation of the Network Upgrade: Base Plan**Estimated Cost Source: EKC****Date of Estimated Cost: 6/10/2024****Network Upgrade ID: 159286****Network Upgrade Name: Lawrence Hill 115 kV Ckt 1 Terminal Upgrade****Network Upgrade Description:** Install any necessary terminal equipment at Lawrence Hill 115 kV substation for the line from Lawrence Hill 115 kV substation to Lawrence Energy Center Unit 3 115 kV substation with a summer emergency rating of 239 MVA.**Network Upgrade Owner: EKC****MOPC Representative(s):** Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Regional Reliability**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2024 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$634,072**Cost Allocation of the Network Upgrade: Base Plan****Estimated Cost Source: EKC****Date of Estimated Cost: 6/10/2024****Network Upgrade ID: 159289****Network Upgrade Name: Lawrence Energy Center Unit 3 115 kV Ckt 1 Terminal Upgrade #2****Network Upgrade Description:** Install any necessary terminal equipment at Lawrence Energy Center Unit 3 115 kV substation for the line from Lawrence Energy Center Unit 3 115 kV substation to Lawrence Hill 115 kV substation with a summer emergency rating of 239 MVA.**Network Upgrade Owner: EKC****MOPC Representative(s):** Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Regional Reliability**Network Upgrade Specification:** All elements and conductor to meet or exceed 239/239/239/239 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2024 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$634,076**Cost Allocation of the Network Upgrade: Base Plan****Estimated Cost Source: EKC****Date of Estimated Cost: 6/10/2024**

Project ID: 94604**Project Name:** Line - Butler 138 kV - Midian 138 kV Rebuild**Need Date for Project:** 1/1/2028**Estimated Cost for Project:** \$10,906,736**Network Upgrade ID:** 159305**Network Upgrade Name:** Butler - Midian 138 kV Ckt 1 Rebuild**Network Upgrade Description:** Rebuild 3-mile Ckt 1 line from Butler 138 kV substation to Midian 138 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 286 MVA.**Network Upgrade Owner:** EKC**MOPC Representative(s):** Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Economic**Network Upgrade Specification:** All elements and conductor to meet or exceed 286/286/286/286 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2024 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$9,164,661**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** EKC**Date of Estimated Cost:** 6/10/2024**Project ID:** 94625**Project Name:** Line - Butler South 138 kV - Tallgrass 138 kV Rebuild #2**Need Date for Project:** 1/1/2025**Estimated Cost for Project:** \$19,571,986**Network Upgrade ID:** 159362**Network Upgrade Name:** Butler South - Tallgrass 138 kV Ckt 1 Rebuild #1**Network Upgrade Description:** Rebuild 9.9-mile Ckt 1 line from Butler South 138 kV substation to Tallgrass 138 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 286 MVA.**Network Upgrade Owner:** EKC**MOPC Representative(s):** Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Economic**Network Upgrade Specification:** All elements and conductor to meet or exceed 286/286/286/286 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2024 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$18,255,414**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** EKC**Date of Estimated Cost:** 6/10/2024

Network Upgrade ID: 159363

Network Upgrade Name: Butler South 138 kV Ckt 1 Terminal Upgrade #2

Network Upgrade Description: Install any necessary terminal equipment at Butler South 138 kV substation to support the line from Butler South 138 kV substation to Tallgrass 138 kV substation with a summer emergency rating of 286 MVA.

Network Upgrade Owner: EKC

MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke

TWG Representative(s): Derek Brown

Categorization: Economic

Network Upgrade Specification: All elements and conductor to meet or exceed 286/286/286/286 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$1,316,572

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EKC

Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 159364

Network Upgrade Name: Tallgrass 138 kV Ckt 1 Terminal Upgrade #2

Network Upgrade Description: Install any necessary terminal equipment at Tallgrass 138 kV substation to support the line from Tallgrass 138 kV substation to Butler South 138 kV substation with a summer emergency rating of 286 MVA.

Network Upgrade Owner: EKC

MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke

TWG Representative(s): Derek Brown

Categorization: Economic

Network Upgrade Specification: All elements and conductor to meet or exceed 286/286/286/286 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$0

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EKC

Date of Estimated Cost: 6/10/2024

Project ID: 94643

Project Name: Line - Weaver 138 kV - Tallgrass 138 kV Rebuild #1

Need Date for Project: 1/1/2025

Estimated Cost for Project: \$14,154,198

Network Upgrade ID: 159412

Network Upgrade Name: Weaver - Tallgrass 138 kV Ckt 1 Rebuild #1

Network Upgrade Description: Rebuild 9.8 mile Ckt 1 line from Weaver 138 kV substation to Tallgrass 138 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 286 MVA.

Network Upgrade Owner: EKC

MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke

TWG Representative(s): Derek Brown

Categorization: Economic

Network Upgrade Specification: All elements and conductor to meet or exceed 271/286/286/286 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$11,521,060

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EKC

Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 159413

Network Upgrade Name: Weaver 138 kV Ckt 1 Terminal Upgrade #2

Network Upgrade Description: Install any necessary terminal equipment at Weaver 138 kV substation for the line from Weaver 138 kV substation to Tallgrass 138 kV substation with a summer emergency rating of 239 MVA.

Network Upgrade Owner: EKC

MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke

TWG Representative(s): Derek Brown

Categorization: Economic

Network Upgrade Specification: All elements and conductor to meet or exceed 271/286/286/286 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$1,316,569

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EKC

Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 159414

Network Upgrade Name: Weaver - Tallgrass 138 kV Ckt 1 Rebuild #2

Network Upgrade Description: Install any necessary terminal equipment at Tallgrass 138 kV substation for the line from Tallgrass 138 kV substation to Weaver 138 kV substation with a summer emergency rating of 239 MVA.

Network Upgrade Owner: EKC

MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke

TWG Representative(s): Derek Brown

Categorization: Economic

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Network Upgrade Specification: All elements and conductor to meet or exceed 271/286/286/286 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$1,316,569

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EKC

Date of Estimated Cost: 6/10/2024

Project ID: 94665

Project Name: XFR - Edwardsville 161/115 kV

Need Date for Project: 11/12/2024

Estimated Cost for Project: \$6,345,206

Network Upgrade ID: 159460

Network Upgrade Name: Edwardsville 161/115 kV Transformer Ckt 2

Network Upgrade Description: Install new 161/115 transformer at Edwardsville 115 kV substation.

Network Upgrade Owner: EKC

MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke

TWG Representative(s): Derek Brown

Categorization: Economic

Network Upgrade Specification: All elements and conductor to meet or exceed 168/185/168/185 (SN/SE/WN/WE) MVA rating

Network Upgrade Justification: 2024 ITP

Estimated Cost for Network Upgrade (current day dollars): \$6,345,206

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: EKC

Date of Estimated Cost: 6/10/2024

Project ID: 94816

Project Name: Line - Chisholm 138 kV - Maize 138 kV - Evan Energy Center North 138 KV Ct 1 Rebuild

Need Date for Project: 1/1/2032

Estimated Cost for Project: \$22,687,706

Network Upgrade ID: 159449

Network Upgrade Name: Evans Energy Center North - Maize 138 kV Ckt 1 Rebuild

Network Upgrade Description: Rebuild 4.9-mile Ckt 1 line from Evans Energy Center North 138 kV substation to Maize 138 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 478 MVA.

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Network Upgrade Owner: EKC
MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke
TWG Representative(s): Derek Brown
Categorization: Economic
Network Upgrade Specification: All elements and conductor to meet or exceed 478/478/478/478 (SN/SE/WN/WE) MVA rating
Network Upgrade Justification: 2024 ITP
Estimated Cost for Network Upgrade (current day dollars): \$5,764,867
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: EKC
Date of Estimated Cost: 6/10/2024

Network Upgrade ID: 170123
Network Upgrade Name: Chisholm - Maize 138 kV Ckt 1 Rebuild
Network Upgrade Description: Rebuild 7.3-mile Ckt 1 line from Chisholm 138 kV substation to Maize 138 kV substation and upgrade any necessary terminal equipment to achieve a summer emergency rating of 478 MVA.
Network Upgrade Owner: EKC
MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke
TWG Representative(s): Derek Brown
Categorization: Economic
Network Upgrade Specification: All elements and conductor to meet or exceed 478/478/478/478 (SN/SE/WN/WE) MVA rating
Network Upgrade Justification: 2024 ITP
Estimated Cost for Network Upgrade (current day dollars): \$15,698,179
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: EKC
Date of Estimated Cost: 7/9/2024

Network Upgrade ID: 170124
Network Upgrade Name: Chisholm 138 kV Ckt 1 Terminal Upgrade
Network Upgrade Description: Install any necessary terminal equipment at Chisholm 138 kV substation to support the line from Chisholm 138 kV substation to Maize 138 kV substation with a summer emergency rating of 478 MVA.
Network Upgrade Owner: EKC
MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke
TWG Representative(s): Derek Brown
Categorization: Economic
Network Upgrade Specification: All elements and conductor to meet or exceed 478/478/478/478 (SN/SE/WN/WE) MVA rating.
Network Upgrade Justification: 2024 ITP
Estimated Cost for Network Upgrade (current day dollars): \$799,157

Cost Allocation of the Network Upgrade: Base Plan**Estimated Cost Source: EKC****Date of Estimated Cost: 7/9/2024****Network Upgrade ID: 170127****Network Upgrade Name: Maize 138 kV Ckt 1 Terminal Upgrade #2****Network Upgrade Description: Install any necessary terminal equipment at Maize 138 kV substation to support a line from Maize 138 kV substation to Chisholm 138 kV substation with a summer emergency rating of 478 MVA.****Network Upgrade Owner: EKC****MOPC Representative(s): Derek Brown, Kelli Merwald, Mo Awad, Jim Flucke****TWG Representative(s): Derek Brown****Categorization: Economic****Network Upgrade Specification: All elements and conductor to meet or exceed 478/478/478/478 (SN/SE/WN/WE) MVA rating****Network Upgrade Justification: 2024 ITP****Estimated Cost for Network Upgrade (current day dollars): \$425,503****Cost Allocation of the Network Upgrade: Base Plan****Estimated Cost Source: EKC****Date of Estimated Cost: 7/9/2024****Commitment to Construct**

Please provide to SPP a written commitment to construct the Network Upgrade(s) by March 13, 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

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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 EKC's part to complete the approved Network Upgrade(s). For project tracking, SPP requires EKC's to submit status updates of the Network Upgrade(s) quarterly in conjunction with the SPP Board of Directors meetings. However, EKC 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
Natasha Henderson - SPP
Tony Green - SPP
Sunny Raheem - SPP
Kelli Merwald - EKC
Mo Awad - EKC
Derek Brown - EKC
Jim Flucke - EKC
Katy Onnen - EKC
SPPprojecttracking