

SPP-NTC-220749

**SPP**  
**Notification to Construct**

February 23, 2024

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

RE: Notification to Construct Approved Reliability 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 31, 2023, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed as part of 2023 ITP.

**New Network Upgrades**

**Project ID:** 92999

**Project Name:** Sub - Blackberry - Neosho 345 kV Terminal Equipment

**Need Date for Project:** 1/1/2025

**Estimated Cost for Project:** \$3,415,129

**Network Upgrade ID:** 157403

**Network Upgrade Name:** Neosho 345 kV Terminal Upgrade

**Network Upgrade Description:** Install any necessary terminal equipment at Neosho 345 kV substation on the Neosho to Blackberry 345 kV line to achieve a summer emergency rating of 829 MVA.

**Network Upgrade Owner:** EKC

**MOPC Representative(s):** Derek Brown, Kayla Messamore, Mo Awad, Jim Flucke

**TWG Representative(s):** Derek Brown

**Categorization:** Economic

**Network Upgrade Specification:** All elements and conductor to meet or exceed 829/829/1076/1076 (SN/SE/WN/WE) MVA rating

**Network Upgrade Justification:** 2023 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$3,415,129

**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP  
**Date of Estimated Cost:** 6/29/2023

**Project ID:** 93000

**Project Name:** Sub - Butler 138 kV - Midian 138 kV Terminal Upgrade

**Need Date for Project:** 1/1/2025

**Estimated Cost for Project:** \$2,658,322

**Network Upgrade ID:** 157405

**Network Upgrade Name:** Butler 138 kV Terminal Upgrade

**Network Upgrade Description:** Upgrade any necessary terminal equipment at Butler 138 kV substation on the Butler to Midian 138 kV line to achieve a summer emergency rating of 286 MVA.

**Network Upgrade Owner:** EKC

**MOPC Representative(s):** Derek Brown, Kayla Messamore, 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:** 2023 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$1,329,161

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

**Estimated Cost Source:** EKC

**Date of Estimated Cost:** 6/29/2023

**Network Upgrade ID:** 157406

**Network Upgrade Name:** Midian 138 kV Ckt 1 Terminal Upgrade

**Network Upgrade Description:** Upgrade any necessary terminal equipment at Midian 138 kV substation on the Midian to Butler 138 kV line to achieve a summer emergency rating of 286 MVA.

**Network Upgrade Owner:** EKC

**MOPC Representative(s):** Derek Brown, Kayla Messamore, 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:** 2023 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$1,329,161

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

**Estimated Cost Source:** EKC

**Date of Estimated Cost:** 6/29/2023

**Project ID:** 93053**Project Name:** XFR - Franklin 161/69 kV Ckt 2**Need Date for Project:** 1/1/2025**Estimated Cost for Project:** \$3,323,769**Network Upgrade ID:** 157620**Network Upgrade Name:** Franklin 161/69 kV Transformer Ckt 2 (69 kV)**Network Upgrade Description:** Install new 161/69 transformer Ckt 2 at Franklin 69 kV substation.**Network Upgrade Owner:** EKC**MOPC Representative(s):** Derek Brown, Kayla Messamore, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Economic**Network Upgrade Specification:** All elements and conductor to meet or exceed 100/110/100/110 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2023 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$1,661,885**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** SPP**Date of Estimated Cost:** 5/30/2023**Network Upgrade ID:** 157621**Network Upgrade Name:** Franklin 161/69 kV Transformer Ckt 2 (161 kV)**Network Upgrade Description:** Install new 161/69 transformer Ckt 2 at Franklin 161 kV substation.**Network Upgrade Owner:** EKC**MOPC Representative(s):** Derek Brown, Kayla Messamore, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Economic**Network Upgrade Specification:** All elements and conductor to meet or exceed 100/110/100/110 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2023 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$1,661,884**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** SPP**Date of Estimated Cost:** 5/30/2023**Project ID:** 93900**Project Name:** Sub - Benton 345 kV - Wichita 345 kV Terminal Upgrades**Need Date for Project:** 11/14/2023**Estimated Cost for Project:** \$6,830,258

**SPP-NTC-220749****Network Upgrade ID:** 158452**Network Upgrade Name:** Benton 345 kV Terminal Upgrade**Network Upgrade Description:** Upgrade any necessary terminal equipment at Benton 345 kV substation on the Benton to Wichita 345 kV line to achieve a summer emergency rating of 910 MVA.**Network Upgrade Owner:** EKC**MOPC Representative(s):** Derek Brown, Kayla Messamore, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Economic**Network Upgrade Specification:** All elements and conductor to meet or exceed 910/910/1159/1159 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2023 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$3,415,129**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** SPP**Date of Estimated Cost:** 7/26/2023**Network Upgrade ID:** 158453**Network Upgrade Name:** Wichita 345 kV Terminal Upgrade**Network Upgrade Description:** Upgrade any necessary terminal equipment at Wichita 345 kV substation on the Wichita to Benton 345 kV line to achieve a summer emergency rating of 1119 MVA.**Network Upgrade Owner:** EKC**MOPC Representative(s):** Derek Brown, Kayla Messamore, Mo Awad, Jim Flucke**TWG Representative(s):** Derek Brown**Categorization:** Economic**Network Upgrade Specification:** All elements and conductor to meet or exceed 1002/1119/1159/1159 (SN/SE/WN/WE) MVA rating**Network Upgrade Justification:** 2023 ITP**Estimated Cost for Network Upgrade (current day dollars):** \$3,415,129**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** SPP**Date of Estimated Cost:** 7/26/2023**Project ID:** 94153**Project Name:** XFR - 87th St. 345/115 kV. Ckt 2**Need Date for Project:** 1/1/2025**Estimated Cost for Project:** \$10,200,000**Network Upgrade ID:** 158653**Network Upgrade Name:** 87th St. Terminal Equipment Ckt 2

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**Network Upgrade Description:** Install 345 kV terminal equipment at 87th street ckt 2

**Network Upgrade Owner:** EKC

**MOPC Representative(s):** Derek Brown, Kayla Messamore, Mo Awad, Jim Flucke

**TWG Representative(s):** Derek Brown

**Categorization:** Economic

**Network Upgrade Specification:** Terminal equipment must support new 345/115 kV transformer with 675 MVA summer emergency rating.

**Network Upgrade Justification:** 2023 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$5,100,000

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

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 12/15/2023

**Network Upgrade ID:** 158654

**Network Upgrade Name:** 87th St. 345/115 kV Transformer

**Network Upgrade Description:** Install new 345/115 kV Transformer on ckt 2 at 87th St.

**Network Upgrade Owner:** EKC

**MOPC Representative(s):** Derek Brown, Kayla Messamore, Mo Awad, Jim Flucke

**TWG Representative(s):** Derek Brown

**Categorization:** Economic

**Network Upgrade Specification:** Transformer ratings 400/440/400/440 MVA (SN/SE/WN/WE) must be met.

**Network Upgrade Justification:** 2023 ITP

**Estimated Cost for Network Upgrade (current day dollars):** \$5,100,000

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

**Estimated Cost Source:** SPP

**Date of Estimated Cost:** 12/15/2023

### **Commitment to Construct**

Please provide to SPP a written commitment to construct the Network Upgrade(s) by March 14, 2024, in addition to providing a construction schedule and an updated -20% to +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.

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**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 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 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(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 blue ink that reads "David Kelley".

David Kelley  
Vice President, Engineering  
Phone: (501) 688-1671 • Fax: (501) 482-2022 • [dkelley@spp.org](mailto:dkelley@spp.org)

cc: Lanny Nickell - SPP  
Casey Cathey - SPP  
Natasha Henderson - SPP  
Tony Green - SPP  
Derek Brown - EKC  
Kayla Messamore - EKC  
Mo Awad - EKC  
Derek Brown - EKC  
Jim Flucke - EKC  
Katy Onnen - EKC