

**SPP-NTC-200214**

**SPP  
Notification to Construct**

February 19, 2013

Mr. John Fulton  
Southwestern Public Service Company  
P.O. Box 1261  
Amarillo, TX 79105

RE: Notification to Construct Approved Reliability Network Upgrades

Dear Mr. Fulton,

Pursuant to Section 3.3 of the Southwest Power Pool, Inc. ("SPP") Membership Agreement and Attachment O, Section VI, 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 January 29, 2013, the SPP Board of Directors approved the Network Upgrade(s) listed below to be constructed.

**New Network Upgrades**

**Project ID:** 486

**Project Name:** XFR - Chaves 230/115 kV Transformer Ckt 2

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$3,644,914

**Network Upgrade ID:** 10629

**Network Upgrade Name:** Chaves County 230/115 kV Transformer Ckt 2

**Network Upgrade Description:** Upgrade Chaves 230/115 kV transformer Ckt 2 to 250 MVA.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 250 MVA.

**Network Upgrade Justification:** To address the overload of Chaves County Interchange 230/115 kV transformer Ckt 2 for the outage of Chaves County Interchange 230/115 kV

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transformer Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$3,644,914

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 9/26/2011

**Project ID:** 802

**Project Name:** XFR - Eddy Co. 230/115 kV Transformer Ckt 1

**Need Date for Project:** 6/1/2016

**Estimated Cost for Project:** \$4,265,720

**Network Upgrade ID:** 11064

**Network Upgrade Name:** Eddy County Interchange 230/115 kV Transformer Ckt 1

**Network Upgrade Description:** Upgrade Eddy County 230/115 kV transformer Ckt 1 to 250 MVA.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 250 MVA.

**Network Upgrade Justification:** To address the overload of the Eddy County 230/115 kV transformer Ckt 1 for the outage of Eddy County 230/115 kV transformer Ckt 2.

**Estimated Cost for Network Upgrade (current day dollars):** \$4,265,720

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 12/5/2012

**Project ID:** 841

**Project Name:** XFR - Graham 115/69 kV Ckt 1

**Need Date for Project:** 6/1/2014

**Estimated Cost for Project:** \$2,356,320

**Network Upgrade ID:** 11110

**Network Upgrade Name:** Graham Interchange 115/69 kV Transformer Ckt 1

**Network Upgrade Description:** Upgrade Graham 115/69 kV transformer Ckt 1 to 84 MVA.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an

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emergency rating of 84 MVA.

**Network Upgrade Justification:** To address the overload of Graham 115/69 kV transformer Ckt 1 for the outage of Garza 69 kV switched shunt.

**Estimated Cost for Network Upgrade (current day dollars):** \$2,356,320

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/27/2012

**Project ID:** 1031

**Project Name:** XFR - Crosby Co. 115/69 kV Transformers Ckt 1 and Ckt 2

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$4,738,659

**Network Upgrade ID:** 11355

**Network Upgrade Name:** Crosby County Interchange 115/69 kV Transformer Ckt 1

**Network Upgrade Description:** Upgrade Crosby County 115/69 kV transformer Ckt 1 to 84 MVA.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 84 MVA.

**Network Upgrade Justification:** To address the overload of Crosby County 115/69 kV transformer Ckt 1 for the outage of Crosby County 115/69 kV transformer Ckt 2.

**Estimated Cost for Network Upgrade (current day dollars):** \$2,357,062

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/19/2012

**Network Upgrade ID:** 11356

**Network Upgrade Name:** Crosby County Interchange 115/69 kV Transformer Ckt 2

**Network Upgrade Description:** Upgrade Crosby County 115/69 kV transformer Ckt 2 to 84 MVA.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 84 MVA.

**Network Upgrade Justification:** To address the overload of Crosby County 115/69 kV

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transformer Ckt 2 for the outage of Crosby County 115/69 kV transformer Ckt 1.  
**Estimated Cost for Network Upgrade (current day dollars):** \$2,381,597  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 11/19/2012

**Project ID:** 1139

**Project Name:** Line - Allen Sub - Lubbock South Interchange 115 kV Ckt 1  
**Need Date for Project:** 6/1/2014  
**Estimated Cost for Project:** \$10,946,449

**Network Upgrade ID:** 11501  
**Network Upgrade Name:** Allen Substation - Lubbock South Interchange 115 kV Ckt 1  
**Network Upgrade Description:** Rebuild 6 miles of 115 kV line from Lubbock South Interchange to Allen Substation.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 300 MVA.  
**Network Upgrade Justification:** To address the overload of the Lubbock South Interchange - Allen Substation 115 kV Ckt 1 for the outage of Carlisle Interchange - Tuco Interchange 230 kV Ckt 1.  
**Estimated Cost for Network Upgrade (current day dollars):** \$10,946,449  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 11/20/2012

**Project ID:** 1143

**Project Name:** XFR - Lubbock South 230/115/13.2 kV Ckt 2  
**Need Date for Project:** 6/1/2013  
**Estimated Cost for Project:** \$5,179,953

**Network Upgrade ID:** 11507  
**Network Upgrade Name:** Lubbock South 230/115/13.2 kV Transformer Ckt 2  
**Network Upgrade Description:** Install a second 230/115/13.2 kV transformer at Lubbock South.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability

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**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 250 MVA.

**Network Upgrade Justification:** To address the overload of Lubbock South 230/115 kV transformer Ckt 1 for the outage of Jones Station Bus #2 - Lubbock East Interchange 230 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$5,179,953

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/27/2012

**Project ID:** 1147

**Project Name:** Multi - Potter - Channing - Dallam 230 kV Conversion

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$18,918,829

**Network Upgrade ID:** 11512

**Network Upgrade Name:** Channing - Potter County 230 kV Ckt 1

**Network Upgrade Description:** Convert 26 miles of 115 kV line from Channing to Potter to 230 kV and upgrade necessary terminal equipment at Potter.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 541 MVA.

**Network Upgrade Justification:** To address low voltage at Dalhart Interchange 115 kV, Etter Rural 115 kV, and Moore County Interchange East 115 kV for the outage of Moore County Interchange 230/115 kV transformer Ckt 1 or Potter Interchange - Moore County Interchange 230 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$2,115,794

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/26/2012

**Network Upgrade ID:** 11514

**Network Upgrade Name:** Channing - XIT 230 kV Ckt 1

**Network Upgrade Description:** Convert 35 miles of 115 kV line from Channing to new XIT substation (near Dallam) to 230 kV.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

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**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 541 MVA.

**Network Upgrade Justification:** To address low voltage at Dalhart Interchange 115 kV, Etter Rural 115 kV, and Moore County Interchange East 115 kV for the outage of Moore County Interchange 230/115 kV transformer Ckt 1 or Potter Interchange - Moore County Interchange 230 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$12,509,767

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/20/2012

**Network Upgrade ID:** 11515

**Network Upgrade Name:** XIT 230/115/13.2 kV Transformer Ckt 1

**Network Upgrade Description:** Install 230/115 kV transformer at XIT substation.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 168 MVA.

**Network Upgrade Justification:** To address low voltage at Dalhart Interchange 115 kV, Etter Rural 115 kV, and Moore County Interchange East 115 kV for the outage of Moore County Interchange 230/115 kV transformer Ckt 1 or Potter Interchange - Moore County Interchange 230 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$4,293,268

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/26/2012

**Project ID:** 30423

**Project Name:** XFR - Deaf Smith County Interchange 230/115 kV Ckt 2

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$4,273,633

**Network Upgrade ID:** 50516

**Network Upgrade Name:** Deaf Smith County Interchange 230/115 kV Transformer Ckt 2

**Network Upgrade Description:** Upgrade Deaf Smith Interchange 230/115 kV transformer Ckt 2 to 250 MVA.

**Network Upgrade Owner:** SPS

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**MOPC Representative(s):** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 259 MVA.  
**Network Upgrade Justification:** To address the overload of Deaf Smith Interchange 230/115 kV transformer Ckt 2 for the outage of Deaf Smith Interchange 230/115 kV transformer Ckt 1.  
**Estimated Cost for Network Upgrade (current day dollars):** \$4,273,633  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 11/28/2012

**Project ID:** 30424  
**Project Name:** Line - Ochiltree - Tri-County Cole 115 kV Ckt 1  
**Need Date for Project:** 6/1/2013  
**Estimated Cost for Project:** \$12,840,220

**Network Upgrade ID:** 50517  
**Network Upgrade Name:** Ochiltree - Tri-County REC Cole 115 kV Ckt 1 Rebuild  
**Network Upgrade Description:** Rebuild 16.9-mile 115 kV line from Ochiltree to Tri-County REC Cole Ckt 1.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 273 MVA.  
**Network Upgrade Justification:** To address the overload of Ochiltree - Tri-County REC Cole 115 kV Ckt 1 for the outage of the Hitchland Interchange 230/115 kV transformer Ckt 1.  
**Estimated Cost for Network Upgrade (current day dollars):** \$12,840,220  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 11/27/2012

**Project ID:** 30428  
**Project Name:** Device - Red Bluff 115 kV Capacitor  
**Need Date for Project:** 6/1/2013  
**Estimated Cost for Project:** \$2,791,331

**SPP-NTC-200214****Network Upgrade ID:** 50521**Network Upgrade Name:** Red Bluff 115 kV Capacitor**Network Upgrade Description:** Install two 14.4 Mvar 115 kV capacitors at Red Bluff substation.**Network Upgrade Owner:** SPS**MOPC Representative(s):** William Grant**TWG Representative:** John Fulton**Categorization:** Regional reliability**Network Upgrade Specification:** Install two 14.4 Mvar capacitors.**Network Upgrade Justification:** To address low voltage at Red Bluff 115 kV and I.M.C. #1 area for the outage of I.M.C. #1 Tap - Potash Junction Interchange 115 kV.**Estimated Cost for Network Upgrade (current day dollars):** \$2,791,331**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** SPS**Date of Estimated Cost:** 12/5/2012**Project ID:** 30429**Project Name:** Line - Crosby - Floyd 115 kV Ckt 1**Need Date for Project:** 6/1/2013**Estimated Cost for Project:** \$19,997,019**Network Upgrade ID:** 50522**Network Upgrade Name:** Crosby - Floyd 115 kV Ckt 1**Network Upgrade Description:** Rebuild 25.8-mile 115 kV line from Crosby to Floyd Ckt 1.**Network Upgrade Owner:** SPS**MOPC Representative(s):** William Grant**TWG Representative:** John Fulton**Categorization:** Regional reliability**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 273 MVA.**Network Upgrade Justification:** To address low voltage at Crosby County Interchange 115 kV for the outage of Crosby County Interchange - Lubbock East Interchange 115 kV Ckt 1.**Estimated Cost for Network Upgrade (current day dollars):** \$19,997,019**Cost Allocation of the Network Upgrade:** Base Plan**Estimated Cost Source:** SPS**Date of Estimated Cost:** 1/3/2013**Project ID:** 30430**Project Name:** Device - Floyd 115 kV Capacitor



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**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$2,356,579

**Network Upgrade ID:** 50523

**Network Upgrade Name:** Floyd 115 kV Capacitor

**Network Upgrade Description:** Install two 14.4 Mvar capacitors at Floyd 115 kV substation.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Install two 14.4 Mvar capacitors.

**Network Upgrade Justification:** To address low voltage at Floyd Interchange 115 kV for the outage of Crosby County - Lubbock East Interchange 115 kV Ckt 1 or Floyd County Interchange - Tuco Interchange 115 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$2,356,579

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 1/3/2013

**Project ID:** 30451

**Project Name:** Line - Atoka - Eagle Creek 115 kV Ckt 1

**Need Date for Project:** 6/1/2015

**Estimated Cost for Project:** \$19,639,618

**Network Upgrade ID:** 50546

**Network Upgrade Name:** Atoka - Eagle Creek 115 kV Ckt 1

**Network Upgrade Description:** Build new 12-mile 115 kV line from Atoka to Eagle Creek and install necessary terminal equipment.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 249 MVA.

**Network Upgrade Justification:** To address low voltage at Eagle Creek 115 kV, Navajo 2 115 kV, Navajo 3 115 kV, Navajo 4 115 kV, Navajo 5 115 kV, and Artesia 115 kV Interchange for the outage of Eagle Creek - Eddy County Interchange 115 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$19,639,618

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

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**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 1/3/2013

**Project ID:** 30452  
**Project Name:** Line - Oxy Permian - Sanger Switching Station 115 kV Ckt 1  
**Need Date for Project:** 6/1/2017  
**Estimated Cost for Project:** \$1,567,971

**Network Upgrade ID:** 50547  
**Network Upgrade Name:** Oxy Permian Sub - Sanger Switching Station 115 kV Ckt 1  
**Network Upgrade Description:** Rebuild 0.5-mile Oxy Permian Substation - Sanger Switching Station 115 kV Ckt 1.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 303 MVA.  
**Network Upgrade Justification:** To address the overload of Oxy Permian Sub - Sanger Switching Station 115 kV Ckt 1 for the outage of Maddox Station - Monument Sub 115 kV Ckt 1, Monument Sub - West Hobbs Switching Station 115 kV Ckt 1, or Maddox Station - Monument Sub - West Hobbs Switching Station 115 kV.  
**Estimated Cost for Network Upgrade (current day dollars):** \$1,567,971  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 1/3/2013

**Project ID:** 30466  
**Project Name:** XFR - Potash Junction 115/69 kV Ckt 1  
**Need Date for Project:** 6/1/2013  
**Estimated Cost for Project:** \$2,144,733

**Network Upgrade ID:** 50560  
**Network Upgrade Name:** Potash Junction 115/69 kV Transformer Ckt 1  
**Network Upgrade Description:** Upgrade Potash Junction 115/69 kV transformer Ckt 1 to 84 MVA.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 84 MVA.

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**Network Upgrade Justification:** To address the overload of Potash Junction 115/69 kV transformer Ckt 1 for the outage of Potash Junction 115/69 kV transformer Ckt 2.

**Estimated Cost for Network Upgrade (current day dollars):** \$2,144,733

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 1/3/2013

**Project ID:** 30467

**Project Name:** XFR - Potash Junction 115/69 kV Ckt 2

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$2,148,879

**Network Upgrade ID:** 50561

**Network Upgrade Name:** Potash Junction 115/69 kV Transformer Ckt 2

**Network Upgrade Description:** Upgrade Potash Junction 115/69 kV transformer Ckt 2 to 84 MVA.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 84 MVA.

**Network Upgrade Justification:** To address the overload of Potash Junction 115/69 kV Ckt 2 transformer for the outage of Potash Junction 115 kV Ckt 1 transformer.

**Estimated Cost for Network Upgrade (current day dollars):** \$2,148,879

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 1/3/2013

**Upgrades with Modifications**

**Previous NTC Number:** 200166

**Previous NTC Issue Date:** 4/9/2012

**Project ID:** 1003

**Project Name:** XFR - Grassland 230/115 kV Transformer Ckt 1

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$3,914,401

**Network Upgrade ID:** 11317

**Network Upgrade Name:** Grassland Interchange 230/115 kV Transformer Ckt 1

**Network Upgrade Description:** Upgrade Grassland 230/115 kV transformer Ckt 1 to

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250 MVA.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Reason for Change:** The 2013 ITP Near-Term Assessment advanced the Need Date from 6/1/2015 to 6/1/2013.

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 250 MVA.

**Network Upgrade Justification:** To address the overload of the Grassland 230/115 kV transformer Ckt 1 for the outage of Lubbock South Interchange - Woodrow Interchange 115 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$3,914,401

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/15/2012

**Previous NTC Number:** 200166

**Previous NTC Issue Date:** 4/9/2012

**Project ID:** 839

**Project Name:** Multi - Kress Interchange - Kiser - Cox 115 kV

**Need Date for Project:** 6/1/2013

**Estimated Cost for Project:** \$26,205,991

**Network Upgrade ID:** 50450

**Network Upgrade Name:** Kiser Substation 115/69 kV Ckt 1

**Network Upgrade Description:** Build new substation at Kiser and install a 115/69 kV transformer and 69 kV terminal equipment to connect to the local 69 kV system.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Reason for Change:** The 2013 ITP Near-Term Assessment advanced the Need Date from 6/1/2014 to 6/1/2013.

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 97 MVA.

**Network Upgrade Justification:** To address overloads and low voltage in Kress - Plainview area due to area load growth and address the overload of Cox Interchange - Hale County Interchange 115 kV Ckt 1 for the outage of Floyd County Interchange - Tuco Interchange 115 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$6,500,705

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 11/15/2012

**Network Upgrade ID:** 11107

**Network Upgrade Name:** Kress Interchange - Kiser 115 kV Ckt 1

**Network Upgrade Description:** Build new 22-mile 115 kV line from Kress Interchange to new Kiser substation.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Reason for Change:** The 2013 ITP Near-Term Assessment advanced the Need Date from 6/1/2014 to 6/1/2013.

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 173 MVA.

**Network Upgrade Justification:** To address overloads and low voltage in Kress - Plainview areas due to area load growth. Also to address the overload of Cox Interchange - Hale County Interchange 115 kV Ckt 1 for the outage of Floyd County Interchange - Tuco Interchange 115 kV Ckt 1.

**Estimated Cost for Network Upgrade (current day dollars):** \$13,856,881

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

**Estimated Cost Source:** SPS

**Date of Estimated Cost:** 10/16/2012

**Network Upgrade ID:** 11109

**Network Upgrade Name:** Cox Interchange - Kiser 115 kV Ckt 1 #2

**Network Upgrade Description:** Build new 8.7-mile 115 kV line from Cox to new Kiser substation.

**Network Upgrade Owner:** SPS

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

**TWG Representative:** John Fulton

**Reason for Change:** The 2013 ITP Near-Term Assessment advanced the Need Date from 6/1/2014 to 6/1/2013.

**Categorization:** Regional reliability

**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 173 MVA.

**Network Upgrade Justification:** To address overloads and low voltage in Kress - Plainview areas due to area load growth. Also to address the overload of Cox Interchange - Hale County Interchange 115 kV Ckt 1 for the outage of Floyd County Interchange - Tuco Interchange 115 kV Ckt 1.

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**Estimated Cost for Network Upgrade (current day dollars):** \$5,848,405  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 9/3/2012

**Previous NTC Number:** 20099  
**Previous NTC Issue Date:** 6/30/2010  
**Project ID:** 940  
**Project Name:** Multi - Hitchland - Woodward 345 kV (SPS)  
**Estimated Cost for Project:** \$55,831,611 (this project cost contains Network Upgrades not included in this NTC)  
**Date of Estimated Cost:** 12/11/2012  
**Estimated Cost Source:** SPS

**Network Upgrade ID:** 11243  
**Network Upgrade Name:** Hitchland Interchange 345/230 kV Transformer Ckt 2  
**Network Upgrade Description:** Install a second 345/230 kV transformer at Hitchland substation.  
**Network Upgrade Owner:** SPS  
**MOPC Representative(s):** William Grant  
**TWG Representative:** John Fulton  
**Reason for Change:** The 2013 ITP Near-Term Assessment identified the Need Date as 6/1/2013.  
**Categorization:** High priority  
**Network Upgrade Specification:** All elements and conductor must have at least an emergency rating of 560 MVA.  
**Network Upgrade Justification:** To address low voltage at Beaver County 115 kV, Hitchland 230 kV, Moore County Interchange 230 kV, Ochiltree 230 kV, Tri-County REC-Cole 115 kV and various other buses in the Beaver County area for the outage of Hitchland Interchange 345/230 kV transformer Ckt 1.  
**Need Date for Network Upgrade:** 6/1/2013  
**Estimated Cost for Network Upgrade (current day dollars):** \$12,715,142  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPS  
**Date of Estimated Cost:** 12/11/2012

**Commitment to Construct**

Within 90 days of this NTC, please provide to SPP a written commitment to construct the Network Upgrade(s) pursuant to Attachment O, Section VI.6 of the SPP OATT, a construction schedule for the Network Upgrade(s) and the NTC Project Estimate, which is the updated  $\pm 20\%$  cost estimate for the Network Upgrade(s) in the Standardized Cost Estimate Reporting

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Template. Failure to provide a sufficient written commitment to construct as required by Attachment O 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.

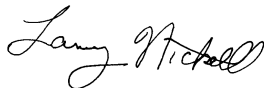
**Notification of Progress**

Please continue to 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 quarterly status updates of the Network Upgrade(s) 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.

Sincerely,

A handwritten signature in black ink that reads "Lanny Nickell".

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

cc: Carl Monroe - SPP  
Katherine Prewitt - SPP  
William Grant - SPS

**SPP-NTC-200214**