

**SPP-NTC-20130**

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

February 14, 2011

Mr. John Fulton  
Southwestern Public Service Company  
PO Box 1261  
Amarillo, TX 79170

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 25, 2011, the Southwest Power Pool ("SPP") Board of Directors approved the Network Upgrade(s) listed below to be constructed.

**New Network Upgrades**

**Project ID:** 156

**Project Name:** Multi – Hitchland - Texas Co. 230 kV and 115 kV

**Need Date for Project:** 6/1/2011

**Estimated Cost for Project:** \$ 110,134,171 (this project cost contains Network Upgrades not included in this NTC)

**Network Upgrade ID:** 11389

**Network Upgrade Description:** Install 0.19-mile Ochiltree - Perryton 115 kV line and the necessary terminal equipment at Ochiltree and Perryton Substations.

**Network Upgrade Owner:** SPS

**MOPC Representative:** William Grant

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Build line to 173 MVA emergency rating.

**Network Upgrade Justification:** This upgrade is part of the Ochiltree upgrade and is required because the Perryton Substation cannot accommodate a new 230/115 kV transformer. The original upgrade was approved in the 2009 STEP.

**Need Date for Network Upgrade:** 6/1/2011

**SPP-NTC-20130**

**Estimated Cost for Network Upgrade (current day dollars):** \$1,181,400  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Project ID:** 764  
**Project Name:** XFR – Happy County 115/69 kV transformers  
**Need Date for Project:** 6/1/2012  
**Estimated Cost for Project:** \$3,780,000

**Network Upgrade ID:** 11007  
**Network Upgrade Description:** Upgrade Happy County 115/69 kV transformer Ckt 1.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Upgrade transformer to 96 MVA emergency rating.  
**Network Upgrade Justification:** To address overload of the Happy County 115/69 kV transformer Ckt 1 for the loss of Happy County transformer Ckt 2.  
**Need Date for Network Upgrade:** 6/1/2012  
**Estimated Cost for Network Upgrade (current day dollars):** \$1,890,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Network Upgrade ID:** 11009  
**Network Upgrade Description:** Upgrade Happy County 115/69 kV transformer Ckt 2.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Upgrade transformer to 96 MVA emergency rating.  
**Network Upgrade Justification:** To address overload of the Happy County 115/69 kV transformer Ckt 2 for the loss of Happy County transformer Ckt 1.  
**Need Date for Network Upgrade:** 6/1/2012  
**Estimated Cost for Network Upgrade (current day dollars):** \$1,890,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Project ID:** 774  
**Project Name:** Line – Cherry - Hastings 115 kV Ckt 1  
**Need Date for Project:** 6/1/2013  
**Estimated Cost for Project:** \$1,771,875

**Network Upgrade ID:** 11378

## SPP-NTC-20130

**Network Upgrade Description:** Construct approximately 3.5 miles of 115 kV line from Cherry Street substation to Hastings substation.

**Network Upgrade Owner:** SPS

**MOPC Representative:** William Grant

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Build line to 192 MVA emergency rating.

**Network Upgrade Justification:** Replaces UID 11022 Hastings - Bush 115 kV line.

**Need Date for Network Upgrade:** 6/1/2013

**Estimated Cost for Network Upgrade (current day dollars):** \$1,771,875

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

**Estimated Cost Source:** SPP

**Project ID:** 792

**Project Name:** Line – Cunningham - Buckeye Tap 115 kV Ckt 1 reconductor

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

**Estimated Cost for Project:** \$3,607,000

**Network Upgrade ID:** 11046

**Network Upgrade Description:** Reconductor 8.5-mile Cunningham Station - Buckeye Tap 115 kV line with 795 ACSR.

**Network Upgrade Owner:** SPS

**MOPC Representative:** William Grant

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Upgrade line to 249 MVA emergency rating.

**Network Upgrade Justification:** To address the overload of Cunningham Station - Buckeye Tap 115 kV Ckt 1 for the loss of the Lea County REC Lovington Interchange 115/69 kV transformer.

**Need Date for Network Upgrade:** 6/1/2013

**Estimated Cost for Network Upgrade (current day dollars):** \$3,607,000

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

**Estimated Cost Source:** SPP

**Project ID:** 833

**Project Name:** XFR – Northeast Hereford 115/69 kV transformer Ckt 2

**Need Date for Project:** 6/1/2011

**Estimated Cost for Project:** \$1,890,000

**Network Upgrade ID:** 11100

**Network Upgrade Description:** Construct 115 kV bus at NE-Hereford Interchange to house two transformer terminals, two 115 kV line terminals, and one future 115 kV line terminal. Add second 115/69 kV transformer.

**SPP-NTC-20130**

**Network Upgrade Owner:** SPS

**MOPC Representative:** William Grant

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Install transformer to 96 MVA emergency rating.

**Network Upgrade Justification:** To address the overload of Hereford transformer Ckt 1 and Ckt 2, the overload of Hereford - Northeast Hereford 69 kV for the loss of Northeast Hereford transformer, and in 2013, address the system intact overload of the NE Hereford transformer Ckt 1.

**Need Date for Network Upgrade:** 6/1/2011

**Estimated Cost for Network Upgrade (current day dollars):** \$1,890,000

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

**Estimated Cost Source:** SPP

**Project ID:** 1001

**Project Name:** Line – Randall - South Georgia and Osage Station line re-termination

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

**Estimated Cost for Project:** \$1,680,000

**Network Upgrade ID:** 11315

**Network Upgrade Description:** Construct approximately 2 miles of new 115 kV line with 795 ACSR from Randall Co. Interchange towards Osage Substation connecting to South Georgia line . Tie new 115 kV line into existing circuit V70 near Osage Substation. Reconfigure the 115 kV transmission lines around Osage Substation: remove circuit V04 termination from Osage Substation and remove circuit back to Manhattan Tap (remove 3-terminal condition); remove circuits V67 and V05 terminations from Osage Substation and tie them together around Osage Substation; leave only circuits V43 and T75 terminated at the Osage Substation. Add new 115 kV terminal at Randall Co. Interchange and rebuild Randall 115 kV bus to breaker and one-half design. Upgrade terminal equipment and reset relays at South Georgia Interchange.

**Network Upgrade Owner:** SPS

**MOPC Representative:** William Grant

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Upgrade facilities to 160 MVA emergency rating.

**Network Upgrade Justification:** To address the overload of Osage Switching Station - South Georgia Interchange 115 kV for the loss of Cherry - Northwest Interchange 115 kV Ckt 1 or multi-terminal contingencies. Also to address the overload of Manhattan Tap - Osage Switching Station 115 kV Ckt 1 for the loss of Osage Switching Station - Randall Co. Interchange 115 kV Ckt 1.

**Need Date for Network Upgrade:** 6/1/2016

**Estimated Cost for Network Upgrade (current day dollars):** \$1,680,000

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

**SPP-NTC-20130**

**Estimated Cost Source:** SPP

**Project ID:** 1002

**Project Name:** Line – OXY Permian - Sanger Switching Station 115 kV Ckt 1 Reconductor

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

**Estimated Cost for Project:** \$295,313

**Network Upgrade ID:** 11316

**Network Upgrade Description:** Reconductor Sanger Switching Station - OXY Permian 115 kV line with 397.5 ACSR.

**Network Upgrade Owner:** SPS

**MOPC Representative:** William Grant

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Upgrade line to 173 MVA emergency rating.

**Network Upgrade Justification:** To address the overload of OXY Permian - Sanger Switching Station 115 kV Ckt 1 for the loss of Maddox Station-Monument 115 kV Ckt 1.

**Need Date for Network Upgrade:** 6/1/2016

**Estimated Cost for Network Upgrade (current day dollars):** \$295,313

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

**Estimated Cost Source:** SPP

**Project ID:** 1004

**Project Name:** XFR – Swisher 230/115 kV transformer Ckt 1

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

**Estimated Cost for Project:** \$5,953,500

**Network Upgrade ID:** 11318

**Network Upgrade Description:** Upgrade existing Swisher 230/115 kV transformer.

**Network Upgrade Owner:** SPS

**MOPC Representative:** William Grant

**TWG Representative:** John Fulton

**Categorization:** Regional reliability

**Network Upgrade Specification:** Upgrade transformer to 252 MVA emergency rating.

**Network Upgrade Justification:** To address overload of the Swisher 230/115 kV transformer for the loss of the New Hart 230/115 kV transformer.

**Need Date for Network Upgrade:** 6/1/2016

**Estimated Cost for Network Upgrade (current day dollars):** \$5,953,500

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

**Estimated Cost Source:** SPP

**Project ID:** 1005

**Project Name:** Line – Wolfforth - Yuma 115 kV Ckt 1

**SPP-NTC-20130**

**Need Date for Project:** 6/1/2012  
**Estimated Cost for Project:** \$945,000

**Network Upgrade ID:** 11319  
**Network Upgrade Description:** Replace wave traps, CTs and jumpers at both Wolfforth and Yuma Substations such that terminal equipment does not constrain the conductor rating of the 115 kV line.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Upgrade facilities to 192 MVA emergency rating.  
**Network Upgrade Justification:** To address the overload of Wolfforth - Yuma Interchange 115 kV for the loss of Carlisle Interchange - Tuco Interchange 230 kV Ckt 1 or Allen - Lubbock 115 kV Ckt 1.  
**Need Date for Network Upgrade:** 6/1/2012  
**Estimated Cost for Network Upgrade (current day dollars):** \$945,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Project ID:** 1029  
**Project Name:** Convert Lynn load to 115 kV  
**Need Date for Project:** 6/1/2012  
**Estimated Cost for Project:** \$100,000

**Network Upgrade ID:** 11353  
**Network Upgrade Description:** Expand 115 kV bus at Lynn County Interchange to provide connection for new distribution transformer. Install 115/22.5 kV distribution transformer.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Convert Lynn County 69 kV load to 115 kV.  
**Network Upgrade Justification:** To address overload of the Lynn Interchange 115/69 kV transformer Ckt 1 for the loss of Lynn Interchange 115 kV transformer Ckt 2.  
**Need Date for Network Upgrade:** 6/1/2012  
**Estimated Cost for Network Upgrade (current day dollars):** \$100,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Project ID:** 1030  
**Project Name:** Line – Abernathy - Tolk 115 kV Ckt 1

**SPP-NTC-20130**

**Need Date for Project:** 6/1/2011  
**Estimated Cost for Project:** \$2,126,250

**Network Upgrade ID:** 11354  
**Network Upgrade Description:** Construct approximately 6 miles of 115 kV line from Tuco Interchange to SP-Abernathy Substation. Convert SP-Abernathy Substation to 115 kV service.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Build line to 173 MVA emergency rating.  
**Network Upgrade Justification:** To address overload of one Tuco 115/69 kV transformer for the loss of the other.  
**Need Date for Network Upgrade:** 6/1/2011  
**Estimated Cost for Network Upgrade (current day dollars):** \$2,126,250  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Project ID:** 1034  
**Project Name:** Line – Hereford - Northeast Hereford 115 kV Ckt 1  
**Need Date for Project:** 6/1/2011  
**Estimated Cost for Project:** \$2,362,500

**Network Upgrade ID:** 11359  
**Network Upgrade Description:** Convert Hereford Interchange - NE-Hereford Interchange 69 kV line to 115 kV service.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Upgrade facilities to 270 MVA emergency rating.  
**Network Upgrade Justification:** To address the overload of Hereford transformers and the overload of Hereford - Northeast Hereford 69 kV for the loss of Northeast Hereford transformer. In later years it addresses low voltages at Deaf Smith REC #5#11 69 kV, Hereford Centre St 69 kV sub, Deaf Smith Metering Station 69 kV and NE Hereford Interchange 115 kV for the loss of Deaf Smith County Interchange - NE Hereford Interchange Ckt 1.  
**Need Date for Network Upgrade:** 6/1/2011  
**Estimated Cost for Network Upgrade (current day dollars):** \$2,362,500  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**SPP-NTC-20130**

**Project ID:** 1036  
**Project Name:** Line – Convert Soncy load to 115 kV  
**Need Date for Project:** 6/1/2015  
**Estimated Cost for Project:** \$500,000

**Network Upgrade ID:** 11372  
**Network Upgrade Description:** Tap the Sunset to Coulter Interchange 115 kV line at Soncy Street and convert 1.04 miles of Z33 from 69 kV to 115 kV service. At the new Soncy substation, split the converted Z33 line and install a new 115/13.2 kV transformer to serve the Soncy distribution load.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Upgrade facilities to 173 MVA emergency rating.  
**Network Upgrade Justification:** To address the overload of Lawrence Park - South Georgia Interchange 69 kV Ckt 1 for the loss of Northwest 115/69 kV transformer, Coulter 115/69 kV transformer or Waterfield Tap - Coulter 69 kV Ckt 1.  
**Need Date for Network Upgrade:** 6/1/2015  
**Estimated Cost for Network Upgrade (current day dollars):** \$500,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Project ID:** 1042  
**Project Name:** Substation – North Plainview 115 kV  
**Need Date for Project:** 6/1/2015  
**Estimated Cost for Project:** \$150,000

**Network Upgrade ID:** 11383  
**Network Upgrade Description:** Tap the Kress - Plainview City 115 kV line with North Plainview substation. Convert North Plainview substation to 115 kV.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Upgrade facilities to 173 MVA emergency rating.  
**Network Upgrade Justification:** Identified in 2009 STEP as part of long range plan for the area and part of the PID 839 upgrade.  
**Need Date for Network Upgrade:** 6/1/2015  
**Estimated Cost for Network Upgrade (current day dollars):** \$150,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP



**SPP-NTC-20130**

**Project ID:** 1043  
**Project Name:** Substation – Kress Rural 115 kV  
**Need Date for Project:** 6/1/2015  
**Estimated Cost for Project:** \$150,000

**Network Upgrade ID:** 11384  
**Network Upgrade Description:** Tap the Kress - Plainview City 115 kV line with Kress Rural Substation. Convert Kress Rural Substation to 115 kV.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Upgrade facilities to 173 MVA emergency rating.  
**Network Upgrade Justification:** Identified in 2009 STEP as part of long range plan for the area and part of the PID 839 upgrade.  
**Need Date for Network Upgrade:** 6/1/2015  
**Estimated Cost for Network Upgrade (current day dollars):** \$150,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Project ID:** 1048  
**Project Name:** Line – Lighthouse - North Plainview 69 kV Ckt 1  
**Need Date for Project:** 6/1/2011  
**Estimated Cost for Project:** \$50,000

**Network Upgrade ID:** 11388  
**Network Upgrade Description:** Install 69 kV switch north of North Plainview Substation and south of LH-PLW&FNY. Open new switch, and close switch 3811 at Plainview City to allow North Plainview Substation to be fed by Cox Interchange.  
**Network Upgrade Owner:** SPS  
**MOPC Representative:** William Grant  
**TWG Representative:** John Fulton  
**Categorization:** Regional reliability  
**Network Upgrade Specification:** Build facilities to 72 MVA emergency rating.  
**Network Upgrade Justification:** To address system intact low voltages at the Lighthouse 69 kV and North Plainview 69 kV substations.  
**Need Date for Network Upgrade:** 6/1/2011  
**Estimated Cost for Network Upgrade (current day dollars):** \$50,000  
**Cost Allocation of the Network Upgrade:** Base Plan  
**Estimated Cost Source:** SPP

**Withdrawal of Upgrades**

## SPP-NTC-20130

**Previous NTC number:** 20004  
**Previous NTC issue Date:** 2/13/2008  
**Project ID:** 146  
**Project Name:** Multi – Seminole - Hobbs 230 kV Ckt 1

**Network Upgrade ID:** 10186  
**Network Upgrade Description:** Build new 45-mile 230 kV line from Hobbs to Seminole.  
**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**Previous NTC number:** 20031, 20004  
**Previous NTC issue Date:** 1/27/2009  
**Project ID:** 151  
**Project Name:** XFR – Tuco 115/69 kV transformer Ckt 1

**Network Upgrade ID:** 10195  
**Network Upgrade Description:** Add third 115/69 kV transformer at Tuco..  
**Reason For Change:** Replaced by PID 1030.

**Previous NTC number:** 20031, 20004  
**Previous NTC issue Date:** 1/27/2009  
**Project ID:** 153  
**Project Name:** XFR – Potash Junction Interchange 115/69 kV transformer Ckt 1

**Network Upgrade ID:** 10197  
**Network Upgrade Description:** Add third 115/69 kV transformer at Potash Junction Interchange.  
**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**Previous NTC number:** 20004  
**Previous NTC issue Date:** 2/13/2008  
**Project ID:** 156  
**Project Name:** Multi – Hitchland - Texas Co. 230 kV and 115 kV

**Network Upgrade ID:** 10325  
**Network Upgrade Description:** Build new 34-mile 230 kV line from Pringle to Hitchland.  
**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**SPP-NTC-20130**

**Previous NTC number:** 20084  
**Previous NTC issue Date:** 2/8/2010  
**Project ID:** 773  
**Project Name:** XFR – Roosevelt 230/115 kV transformer Ckt 2

**Network Upgrade ID:** 11018  
**Network Upgrade Description:** Add second 230/115 kV transformer at Roosevelt.  
**Reason For Change:** Previously identified UID 11052, the Pleasant Hill 230/115 kV transformer addresses the reliability needs in the area.

**Previous NTC number:** 20084  
**Previous NTC issue Date:** 2/8/2010  
**Project ID:** 774  
**Project Name:** Multi – Cherry Sub add 230 kV source and 115 kV Hastings Conversion

**Network Upgrade ID:** 11022  
**Network Upgrade Description:** Build new 5-mile Hastings to Bush 115 kV line.  
**Reason For Change:** Replaced by UID 11378.

**Previous NTC number:** 20084  
**Previous NTC issue Date:** 2/8/2010  
**Project ID:** 776  
**Project Name:** Line – Deaf Smith - Panda 115 kV Ckt 1

**Network Upgrade ID:** 11026  
**Network Upgrade Description:** Build new 1-mile Deaf Smith to Panda 115 kV line.  
**Reason For Change:** Replaced by PID 245, which has a 2010 RTO Determined Need Date of 06/1/2019.

**Previous NTC number:** 20084  
**Previous NTC issue Date:** 2/8/2010  
**Project ID:** 777  
**Project Name:** Line – East Plant - Manhattan 115 kV Ckt 1

**Network Upgrade ID:** 11027  
**Network Upgrade Description:** Reconductor 2.24-mile East Plant to Manhattan 115 kV line.  
**Reason For Change:** Replaced by PID 1001.

**Previous NTC number:** 20084  
**Previous NTC issue Date:** 2/8/2010  
**Project ID:** 782

## SPP-NTC-20130

**Project Name:** Line – South Georgia Interchange - Osage Switching Station 115 kV Ckt 1

**Network Upgrade ID:** 11032

**Network Upgrade Description:** Rebuild 4-mile Osage Switching Station to South Georgia Interchange 115 kV with 795 ACSR.

**Reason For Change:** Replaced by PID 1033 with an RTO Determined Need Date of 6/1/2017.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 793

**Project Name:** Line – Gaines - Legacy 115 kV Ckt 1 reconductor

**Network Upgrade ID:** 11047

**Network Upgrade Description:** Reconductor 5.5-mile Gaines County Interchange to Legacy 115 kV line.

**Reason For Change:** In the 2008 STEP SPP identified UID 10824 to build a new 115 kV line between Gaines County Interchange and Legacy. In the 2009 STEP SPP identified this facility would need to be reconducted in later years and issued this upgrade. After additional evaluation in 2010, SPP determined the new facility should be built at the necessary higher rating. Modified UID 10824 will replace this upgrade.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 794

**Project Name:** XFR – Grave 115/69 kV transformer Ckt 2

**Network Upgrade ID:** 11049

**Network Upgrade Description:** Add second 115/69 kV transformer at Grave.

**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 795

**Project Name:** Multi – Pleasant Hill - Potter 345 kV Ckt 1

**Network Upgrade ID:** 11050

**Network Upgrade Description:** Build new 130-mile 345 kV line from Potter to new Frio-Draw substation near Roosevelt.

**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

## SPP-NTC-20130

**Network Upgrade ID:** 11051

**Network Upgrade Description:** Build new Frio-Draw substation and install a 345/230 kV transformer.

**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 797

**Project Name:** XFR – Borden 230/138 kV transformer Ckt 2

**Network Upgrade ID:** 11056

**Network Upgrade Description:** Add second 230/138 kV transformer at Borden County.

**Reason For Change:** Load in this area is uncertain with the acquisition of Cap Rock Energy by Sharyland.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 821

**Project Name:** Line – Randall Co - Osage 115 kV Ckt 1

**Network Upgrade ID:** 11084

**Network Upgrade Description:** Reconductor 2-mile Osage Switching Station - Randall County Interchange 115 kV line with 795 ACSR.

**Reason For Change:** Replaced by PID 1001.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 824

**Project Name:** Multi – Hobbs - Midland 230 kV to 345 kV Conversion

**Network Upgrade ID:** 11089

**Network Upgrade Description:** Convert existing 89.22-mile Hobbs Interchange - Midland 230 kV line to operate at 345 kV.

**Reason For Change:** Load in this area is uncertain with the acquisition of Cap Rock Energy by Sharyland.

**Network Upgrade ID:** 11090

**Network Upgrade Description:** Install new 345/230 kV transformer at Hobbs Interchange.

**Reason For Change:** Load in this area is uncertain with the acquisition of Cap Rock Energy by Sharyland.

## SPP-NTC-20130

**Network Upgrade ID:** 11091

**Network Upgrade Description:** Install new 345/138 kV transformer at Midland.

**Reason For Change:** Load in this area is uncertain with the acquisition of Cap Rock Energy by Sharyland.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 830

**Project Name:** Line – Randall - Manhattan Tap 115 kV Ckt 1

**Network Upgrade ID:** 11097

**Network Upgrade Description:** Reconductor 1.6-mile Manhattan - Randall County Interchange 115 kV line with 795 ACSR.

**Reason For Change:** Replaced by PID 1001.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 857

**Project Name:** Line – East Plant - Pierce 115 kV Ckt 1

**Network Upgrade ID:** 11196

**Network Upgrade Description:** Reconductor 1.06-mile East Plant - Pierce 115 kV line to 795 ACSR.

**Reason For Change:** Replaced by PID 1001.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 883

**Project Name:** Line – Grassland - Jones 230 kV Ckt 2

**Network Upgrade ID:** 11172

**Network Upgrade Description:** Build new second 26.7-mile Jones - Grassland 230 kV line.

**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 887

**Project Name:** Line – Canyon West - Spring Draw 115 kV Ckt 1

**Network Upgrade ID:** 11176

## SPP-NTC-20130

**Network Upgrade Description:** Build new 9-mile Canyon West - Spring Draw 115 kV line.

**Reason For Change:** With the 2010 STEP model's circuit configuration and load forecast the upgrade is no longer required.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 30213

**Project Name:** Device – East Plant 115 kV

**Network Upgrade ID:** 50217

**Network Upgrade Description:** Install 50 Mvar capacitor bank at East Plant 115 kV bus configured as two blocks of 25 Mvar.

**Reason For Change:** This project was re-evaluated in the 2010 STEP; based on current topology and loads, it was determined as no longer needed.

**Previous NTC number:** 20084

**Previous NTC issue Date:** 2/8/2010

**Project ID:** 30246

**Project Name:** Device – Kress Rural 69 kV

**Network Upgrade ID:** 50259

**Network Upgrade Description:** Install two blocks of 7.2 Mvar capacitors at Kress Rural 69 kV bus.

**Reason For Change:** Replaced by UIDs 11383 and 11384 to convert Kress Rural and Plainview North Substations to 115 kV service.

### **Withdrawal of Network Upgrade**

SPS has been made aware of all Network Upgrades withdrawn through the expansion plan process. This letter is the formal notification to stop any further work on this Network Upgrade(s), collect any cost associated with the Network Upgrade(s), and provide this information to SPP within 90 days of the date of this NTC.

### **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, pursuant to Attachment O, Section VI.6 of the SPP OATT, in addition to providing a construction schedule for the Network Upgrade(s). 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 to formulation and approval of any necessary

## **SPP-NTC-20130**

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.

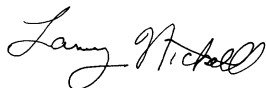
### **Notification of Progress**

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 purposes, SPP requires SPS to submit updates on the status of the Network Upgrade(s) on a quarterly basis 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 cursive script that reads "Lanny Nickell".

Lanny Nickell  
Vice President, Engineering  
Phone (501) 614-3232 • Fax: (501) 821-3198 • [lnickell@spp.org](mailto:lnickell@spp.org)

cc: Carl Monroe, Katherine Prewitt, William Grant