

SPP **Notification to Construct**

February 8, 2010

SPP-NTC-20084

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 VIII, of the SPP Open Access Transmission Tariff (“OATT”), SPP provides this Notification to Construct (“NTC”) directing Southwestern Public Service Company, as the Designated Transmission Owner, to construct the Network Upgrade(s).

On January 26, 2010, the Southwest Power Pool (“SPP”) Board of Directors approved the Network Upgrade(s) listed below to be constructed.

New Network Upgrades

Project ID: 773

Project Name: XFR - Roosevelt 230/115 kV Ckt 2

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$5,670,000

Network Upgrade ID: 11018

Network Upgrade Description: Add second 230/115 kV transformer at Roosevelt.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 289 MVA.

Network Upgrade Justification: To address the overload of either the Oasis Interchange 230/115 kV or Roosevelt County Interchange 230/115 kV transformer for the outage of the other transformer.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$5,670,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 774

Project Name: Multi - Cherry Sub add 230 kV source and 115 kV Hastings Conversion

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$13,980,000

Network Upgrade ID: 11019

Network Upgrade Description: Tap Potter - Harrington East 230 kV line at Cherry and bring 230 kV into Cherry substation.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Maintain the line at emergency rating 239 MVA.

Network Upgrade Justification: To address the system-intact overload of Cherry - Nichols Station 115 kV due to load growth in the Amarillo area.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$112,500

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11020

Network Upgrade Description: Install 230/115 kV autotransformer at Cherry substation.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 239 MVA.

Network Upgrade Justification: To address the system-intact overload of Cherry - Nichols Station 115 kV due to load growth in the Amarillo area.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$4,905,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11021

Network Upgrade Description: Convert Hastings substation from 69 kV to 115 kV.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Justification: To address the system-intact overload of Cherry - Nichols Station 115 kV due to load growth in the Amarillo area.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$5,062,500
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Network Upgrade ID: 11022
Network Upgrade Description: Build new 5 mile Hastings - Bush 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 173 MVA.
Network Upgrade Justification: To address the system-intact overload of Cherry - Nichols Station 115 kV due to load growth in the Amarillo area.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$2,200,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Network Upgrade ID: 11023
Network Upgrade Description: Build new 3.7 mile Hastings - East Plant 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 173 MVA.
Network Upgrade Justification: To address the system-intact overload of Cherry - Nichols Station 115 kV due to load growth in the Amarillo area.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$1,700,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 776
Project Name: Line - Deaf Smith - Panda 115 kV
Need Date for Project: 6/1/2010
Estimated Cost for Project: \$600,000

Network Upgrade ID: 11026

Network Upgrade Description: Build new 1 mile Deaf Smith - Panda 115 kV line.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Build the line to emergency rating 154 MVA.

Network Upgrade Justification: To address the overload of Canyon East Sub - Osage Switching Station 115 kV for outage of Deaf Smith – Hereford 115 kV.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$600,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 777

Project Name: Line - East Plant - Manhattan 115 kV

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$1,100,000

Network Upgrade ID: 11027

Network Upgrade Description: Reconductor 2.24 mile East Plant - Manhattan 115 kV line.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

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

Network Upgrade Justification: To address the overload of East Plant Interchange - Manhattan 115 kV for outage of East Plant Interchange - Pierce Street Tap 115 kV.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$1,100,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 779

Project Name: Line - Maddox - Sanger SW 115 kV

Need Date for Project: 6/1/2010

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

Network Upgrade ID: 11029

Network Upgrade Description: Reconductor 6.15 mile Maddox - Sanger Switching Station 115kV line.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Upgrade the line to emergency rating 249 MVA.
Network Upgrade Justification: To address the overload of Maddox - Sanger SW 115 kV for outage of Hobbs Interchange - Millen 115 kV, Maddox Station - Monument 115 kV, or Monument - West Hobbs Switching Station 115 kV.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$3,000,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 782
Project Name: Line - South Georgia Interchange - Osage Switching Station 115 kV
Need Date for Project: 6/1/2010
Estimated Cost for Project: \$1,687,500

Network Upgrade ID: 11032
Network Upgrade Description: Rebuild 4 mile Osage Switching Station - South Georgia Interchange 115 kV with 795 ACSR.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Upgrade the line to emergency rating 249 MVA.
Network Upgrade Justification: To address the overload of South Georgia Interchange - Osage Switching Station 115 kV for an outage of either Amarillo South Interchange - Farmers 115 kV or Cherry - Nichols Station 115 kV.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$1,687,500
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 783
Project Name: XFR - Randall 230/115 kV Ckt 2
Need Date for Project: 6/1/2010
Estimated Cost for Project: \$11,250,000

Network Upgrade ID: 11033
Network Upgrade Description: Install second 230/115 kV transformer in Randall substation.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant

TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Install the transformer for emergency rating 239 MVA.
Network Upgrade Justification: To address the overload of the Randall County Interchange 230/115 kV transformer for the loss of Amarillo South - Nichols Station 230 kV or East Plant Interchange - Harrington Station 230 kV.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$11,250,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 786
Project Name: Line - Maddox Station - Monument 115 kV
Need Date for Project: 6/1/2011
Estimated Cost for Project: \$1,417,500

Network Upgrade ID: 11036
Network Upgrade Description: Reconductor 3.36 mile Maddox Station - Monument 115 kV with 795 ACSR.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Upgrade the line to emergency rating 249 MVA.
Network Upgrade Justification: To address the overload of Maddox Station - Monument 115 kV for the outage of Maddox Station - Sanger Switching Station 115 kV or East Sanger - Taylor Switching Station 115 kV Ckt 2.
Need Date for Network Upgrade: 6/1/2011
Estimated Cost for Network Upgrade (current day dollars): \$1,417,500
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 789
Project Name: Line - Brasher Tap - Roswell Interchange 115 kV
Need Date for Project: 6/1/2012
Estimated Cost for Project: \$114,000

Network Upgrade ID: 11038
Network Upgrade Description: Reconductor 0.27 mile Roswell Interchange - Brasher Tap 115 kV with 397 kcmil conductor.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant

TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Upgrade the line to emergency rating 161 MVA.
Network Upgrade Justification: To address the overload of Roswell Interchange - Brasher Tap 115 kV for the loss of Chaves County Interchange - Urton 115 kV.
Need Date for Network Upgrade: 6/1/2012
Estimated Cost for Network Upgrade (current day dollars): \$114,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 791
Project Name: Multi - New Hart Interchange 230/115 kV
Need Date for Project: 6/1/2010
Estimated Cost for Project: \$53,164,688

Network Upgrade ID: 11040
Network Upgrade Description: Tap the Potter Interchange - Plant X Station 230 kV line for new Newhart Substation and install 230/115 kV transformer.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Install the transformer for emergency rating 173 MVA.
Network Upgrade Justification: To address the overload of Happy Interchange - Palo Duro 115 kV for the loss of Kress Interchange - Swisher County Interchange 115 kV or the Swisher County Interchange 230/115 kV transformer.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$11,250,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Network Upgrade ID: 11041
Network Upgrade Description: Build new 19 mile Swisher County Interchange - Newhart 230 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 541 MVA.
Network Upgrade Justification: To address the overload of Happy Interchange - Palo Duro 115 kV for the loss of Kress Interchange - Swisher County Interchange 115 kV or the Swisher County Interchange 230/115 kV transformer.

Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$16,031,250
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Network Upgrade ID: 11042
Network Upgrade Description: Build new 18 mile Kress - Newhart 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 173 MVA.
Network Upgrade Justification: To address the overload of Happy Interchange - Palo Duro 115 kV for the loss of Kress Interchange - Swisher County Interchange 115 kV or the Swisher County Interchange 230/115 kV transformer.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$10,125,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Network Upgrade ID: 11043
Network Upgrade Description: Build new 24 mile Castro County Interchange - Newhart 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 173 MVA.
Network Upgrade Justification: To address the overload of Happy Interchange - Palo Duro 115 kV for the loss of Kress Interchange - Swisher County Interchange 115 kV or the Swisher County Interchange 230/115 kV transformer.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$13,500,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Network Upgrade ID: 11044
Network Upgrade Description: Build new 4 mile Hart Industrial - Newhart 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability

Network Upgrade Specification: Build the line to emergency rating 173 MVA.
Network Upgrade Justification: To address the overload of Happy Interchange - Palo Duro 115 kV for the loss of Kress Interchange - Swisher County Interchange 115 kV or the Swisher County Interchange 230/115 kV transformer.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$2,250,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Network Upgrade ID: 11045
Network Upgrade Description: Build new 15 mile Lampton Interchange - Hart Industrial 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 173 MVA.
Network Upgrade Justification: To address the overload of Happy Interchange - Palo Duro 115 kV for the loss of Kress Interchange - Swisher County Interchange 115 kV or the Swisher County Interchange 230/115 kV transformer.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$8,438
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 793
Project Name: Line - Gains - Legacy 115 kV reconductor
Need Date for Project: 6/1/2013
Estimated Cost for Project: \$2,320,300

Network Upgrade ID: 11047
Network Upgrade Description: Reconductor 5.5 mile Gaines County Interchange - Legacy 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Upgrade the line to emergency rating 154 MVA.
Network Upgrade Justification: To address the overload of Gains County Interchange - Legacy 115 kV for the loss of Doss Interchange - Seminole 115 kV.
Need Date for Network Upgrade: 6/1/2013
Estimated Cost for Network Upgrade (current day dollars): \$2,320,300
Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 794

Project Name: XFR - Grave 115/69 kV Ckt 2

Need Date for Project: 6/1/2013

Estimated Cost for Project: \$900,000

Network Upgrade ID: 11049

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 40 MVA.

Network Upgrade Justification: To address the system-intact overload of the Graves 115/69 kV transformer Ckt 1.

Need Date for Network Upgrade: 6/1/2013

Estimated Cost for Network Upgrade (current day dollars): \$900,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 795

Project Name: Multi - Frio - Draw - Potter 345 kV

Need Date for Project: 6/1/2011

Estimated Cost for Project: \$204,187,500

Network Upgrade ID: 11050

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Build the line to emergency rating 1793 MVA.

Network Upgrade Justification: To address the overload of Curry - Roosevelt 115 kV Ckt 2 for the loss of Oasis - Roosevelt 230 kV Ckt 1 or Oasis 230/115 kV transformer Ckt 1. Also to address the overload of Roosevelt North - Tolk West 230 kV Ckt 2 for the loss of Roosevelt South - Tolk East 230 kV Ckt 1 and vice versa.

Need Date for Network Upgrade: 6/1/2013

Estimated Cost for Network Upgrade (current day dollars): \$146,250,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11051

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer to emergency rating 560 MVA.

Network Upgrade Justification: To address the overload of Curry - Roosevelt 115 kV Ckt 2 for the loss of Oasis - Roosevelt 230 kV Ckt 1 or Oasis 230/115 kV transformer Ckt 1. Also to address the overload of Roosevelt North - Tolk West 230 kV Ckt 2 for the loss of Roosevelt South - Tolk East 230 kV Ckt 1 and vice versa.

Need Date for Network Upgrade: 6/1/2013

Estimated Cost for Network Upgrade (current day dollars): \$11,250,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11052

Network Upgrade Description: Install 230/115 kV transformer at Frio - Draw substation.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 252 MVA.

Network Upgrade Justification: To address the overload of Curry - Roosevelt 115 kV Ckt 2 for the loss of Oasis - Roosevelt 230 kV Ckt 1 or Oasis 230/115 kV transformer Ckt 1. Also to address the overload of Roosevelt North - Tolk West 230 kV Ckt 2 for the loss of Roosevelt South - Tolk East 230 kV Ckt 1 and vice versa.

Need Date for Network Upgrade: 6/1/2011

Estimated Cost for Network Upgrade (current day dollars): \$11,250,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11053

Network Upgrade Description: Build new 16 mile Frio - Draw - Oasis 230 kV line.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Build the line to emergency rating 546 MVA.

Network Upgrade Justification: To address the overload of Curry - Roosevelt 115 kV Ckt 2 for the loss of Oasis - Roosevelt 230 kV Ckt 1 or Oasis 230/115 kV transformer Ckt 1. Also to address the overload of Roosevelt North - Tolk West 230 kV Ckt 2 for the loss of Roosevelt South - Tolk East 230 kV Ckt 1 and vice versa.

Need Date for Network Upgrade: 6/1/2011

Estimated Cost for Network Upgrade (current day dollars): \$13,500,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11054

Network Upgrade Description: Build new 26 mile Frio - Draw - Roosevelt County 230 kV line.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Build the line to emergency rating 546 MVA.

Network Upgrade Justification: To address the overload of Curry - Roosevelt 115 kV Ckt 2 for the loss of Oasis - Roosevelt 230 kV Ckt 1 or Oasis 230/115 kV transformer Ckt 1. Also to address the overload of Roosevelt North - Tolk West 230 kV Ckt 2 for the loss of Roosevelt South - Tolk East 230 kV Ckt 1 and vice versa.

Need Date for Network Upgrade: 6/1/2011

Estimated Cost for Network Upgrade (current day dollars): \$21,937,500

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 797

Project Name: XFR - Borden 230/138 kV Ckt #2

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$11,250,000

Network Upgrade ID: 11056

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 168 MVA.

Network Upgrade Justification: To address the overload of the Midland County Interchange 230/138 kV transformer for the loss of Grassland Interchange - Jones Station 230 kV Ckt 1.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$11,250,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 821

Project Name: Line - Randall Co - Osage 115 kV

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$1,125,000

Network Upgrade ID: 11084

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Upgrade the line to emergency rating 160 MVA.

Network Upgrade Justification: To address the overload of the Osage - Randall 115 kV for loss of Manhattan Tap - Randall County Interchange 115 kV.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$1,125,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 824

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

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$27,225,000

Network Upgrade ID: 11089

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Upgrade the line to emergency rating 1623 MVA.

Network Upgrade Justification: To address overloads in Cap Rock area due to load growth for various contingencies, such as Grassland - Jones Station 230 kV Ckt 1 or Borden County – Grassland 230 kV contingency.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$4,725,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11090

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 560 MVA.

Network Upgrade Justification: To address overloads in Cap Rock area due to load growth for various contingencies, such as Grassland - Jones Station 230 kV Ckt 1 or Borden County – Grassland 230 kV contingency.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$11,250,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11091

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 440 MVA.

Network Upgrade Justification: To address overloads in Cap Rock area due to load growth for various contingencies, such as Grassland - Jones Station 230 kV Ckt 1 or Borden County - Grassland 230 kV contingency.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$11,250,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 829

Project Name: XFR - Kingsmill 115/69 kV Ckt 2

Need Date for Project: 6/1/2011

Estimated Cost for Project: \$1,935,000

Network Upgrade ID: 11096

Network Upgrade Description: Install a second 115/69 kV transformer at Kingsmill.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Install the transformer for emergency rating 86 MVA.
Network Upgrade Justification: To address overload of the Kingsmill 115/69 kV transformer Ckt 1 for loss of Gray County Interchange - Hutchinson County Interchange South 115 kV.
Need Date for Network Upgrade: 6/1/2011
Estimated Cost for Network Upgrade (current day dollars): \$1,935,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 830
Project Name: Line - Randall - Manhattan Tap 115 kV
Need Date for Project: 6/1/2010
Estimated Cost for Project: \$900,000

Network Upgrade ID: 11097
Network Upgrade Description: Reconductor 1.6 mile Manhattan - Randall County Interchange 115 kV line with 795 ACSR.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Upgrade the line to emergency rating 271 MVA.
Network Upgrade Justification: To address overloads for loss of Osage Switching Station - Randall County Interchange 115 kV.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$900,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 834
Project Name: Line - Portales - Zodiac 69 kV to 115 kV Conversion
Need Date for Project: 6/1/2013
Estimated Cost for Project: \$3,487,500

Network Upgrade ID: 11101
Network Upgrade Description: Convert existing 3 mile Portales Interchange - Zodiac 69 kV line to operate at 115 kV.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton

Categorization: Regional reliability

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

Network Upgrade Justification: To address overloads for loss of either of the Portales 115/69 kV transformers.

Need Date for Network Upgrade: 6/1/2013

Estimated Cost for Network Upgrade (current day dollars): \$3,487,500

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 839

Project Name: Multi - Kress Interchange - Plainview County 115 kV

Need Date for Project: 6/1/2014

Estimated Cost for Project: \$15,727,500

Network Upgrade ID: 11107

Network Upgrade Description: Build new 22.2 mile Kress Interchange - Plainview County 115 kV.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

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

Network Upgrade Justification: To address overloads and low voltage in Kress - Plainview areas due to area load growth.

Need Date for Network Upgrade: 6/1/2014

Estimated Cost for Network Upgrade (current day dollars): \$14,737,500

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Network Upgrade ID: 11108

Network Upgrade Description: Install new Plainview County 115/69 kV transformer.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Install the transformer for emergency rating 50 MVA.

Network Upgrade Justification: To address overloads and low voltage in Kress - Plainview areas due to area load growth.

Need Date for Network Upgrade: 6/1/2014

Estimated Cost for Network Upgrade (current day dollars): \$990,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 840
Project Name: Line - Cox - Plainview 115 kV
Need Date for Project: 6/1/2014
Estimated Cost for Project: \$7,762,500

Network Upgrade ID: 11109
Network Upgrade Description: Build new 9.8 mile Cox - Plainview 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 173 MVA.
Network Upgrade Justification: To address overloads and low voltage in Plainview - Cox areas due to area load growth.
Need Date for Network Upgrade: 6/1/2014
Estimated Cost for Network Upgrade (current day dollars): \$7,762,500
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 851
Project Name: Line - Harrington - Randall County 230 kV
Need Date for Project: 6/1/2010
Estimated Cost for Project: \$225,000

Network Upgrade ID: 11121
Network Upgrade Description: Replace existing 800 A Harrington 230 kV wave trap with 1200 A minimum-rated wave trap.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Upgrade the line to emergency rating 502 MVA.
Network Upgrade Justification: To address overload of Harrington - Randall County 230 kV for loss of Nichols Station - Randall County Interchange 230 kV.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$225,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 857
Project Name: Line - East Plant - Pierce 115 kV
Need Date for Project: 6/1/2011
Estimated Cost for Project: \$596,250

Network Upgrade ID: 11196

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Upgrade the line to emergency rating 271 MVA.

Network Upgrade Justification: To address overloads due to various contingencies in the Manhattan and Randall area.

Need Date for Network Upgrade: 6/1/2011

Estimated Cost for Network Upgrade (current day dollars): \$596,250

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 883

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

Need Date for Project: 6/1/2011

Estimated Cost for Project: \$30,395,000

Network Upgrade ID: 11172

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Build the line to emergency rating 541 MVA.

Network Upgrade Justification: To address overloads and low voltages during the contingency of Grassland - Jones Station 230 kV Ckt 1.

Need Date for Network Upgrade: 6/1/2011

Estimated Cost for Network Upgrade (current day dollars): \$30,395,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 887

Project Name: Line - Canyon West - Spring Draw 115 kV

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$7,762,500

Network Upgrade ID: 11176

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

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

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

Network Upgrade Justification: To address overloads and low voltages during the contingency of Osage - Canyon East 115 kV.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$7,762,500

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 888

Project Name: Line - Randall - Amarillo South 230 kV

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$27,450,000

Network Upgrade ID: 11177

Network Upgrade Description: Build new 20 mile Randall County - Amarillo South 230 kV line.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Categorization: Regional reliability

Network Upgrade Specification: Build the line to emergency rating 541 MVA.

Network Upgrade Justification: To address overloads and low voltages during the contingency of Osage - Canyon East 115 kV.

Need Date for Network Upgrade: 6/1/2010

Estimated Cost for Network Upgrade (current day dollars): \$27,450,000

Cost Allocation of the Network Upgrade: Base Plan

Estimated Cost Source: SPP

Project ID: 30213

Project Name: Device - East Plant 115 kV

Need Date for Project: 6/1/2010

Estimated Cost for Project: \$2,025,000

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.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Install capacitor of size 50 Mvar.
Network Upgrade Justification: To address low voltage during various contingencies in Cap Rock area.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$2,025,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 30244
Project Name: Line - Harrington - Mid - Randall 230 kV Ckt 1
Need Date for Project: 6/1/2010
Estimated Cost for Project: \$225,000

Network Upgrade ID: 50257
Network Upgrade Description: Replace 800 A wave trap with 1200 A at Harrington Station Mid Bus 230 kV.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Categorization: Regional reliability
Network Upgrade Specification: Install wave trap of size 1200 A.
Network Upgrade Justification: To address the overload of the existing Harrington Station Mid Bus 800 A wave trap for loss of Nichols Station - Randall County Interchange 230 kV.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$225,000
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Project ID: 30246
Project Name: Device - Kress Rural 69 kV
Need Date for Project: 6/1/2011
Estimated Cost for Project: \$583,200

Network Upgrade ID: 50259
Network Upgrade Description: Install two blocks of 7.2 Mvar capacitors at Kress Rural 69 kV bus.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton

Categorization: Regional reliability
Network Upgrade Specification: Install capacitor of size 14.4 Mvar.
Network Upgrade Justification: Voltage support at Kress Rural 69 kV during several contingencies including Kress Interchange - Swisher County Interchange 115 kV.
Need Date for Network Upgrade: 6/1/2011
Estimated Cost for Network Upgrade (current day dollars): \$583,200
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPP

Upgrades with Modifications

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
Need Date for Project: 6/1/2009
Estimated Cost for Project: \$120,875,414 (this project cost contains Network Upgrades not included in this NTC)

Network Upgrade ID: 10329
Network Upgrade Description: Build new 35 mile Sherman - Dallam 115 kV line.
Network Upgrade Owner: Southwestern Public Service Company
MOPC Representative: William Grant
TWG Representative: John Fulton
Reason For Change: Modify Scope. The termination of this line was changed from Dalhart substation to Dallam County Interchange because the Dallam site has expansion room and can easily accommodate the additional line terminals and Dalhart does not.
Categorization: Regional reliability
Network Upgrade Specification: Build the line to emergency rating 161 MVA.
Network Upgrade Justification: To address overloads and low voltage issues for system-intact conditions and due to the loss of Spearman - Spearman Substation 115 kV, Moore-Potter 230 kV, or various other contingencies.
Need Date for Network Upgrade: 6/1/2010
Estimated Cost for Network Upgrade (current day dollars): \$10,771,825
Cost Allocation of the Network Upgrade: Base Plan
Estimated Cost Source: SPS

Previous NTC number: 20043
Previous NTC Issue Date: 6/19/2009
Project ID: 704
Project Name: XFR - Tuco 345/230 kV Ckt 2
Need Date for Project: 6/1/2012

Estimated Cost for Project: \$11,250,000

Network Upgrade ID: 11085

Network Upgrade Description: Add second 345/230 kV transformer at Tuco Interchange.

Network Upgrade Owner: Southwestern Public Service Company

MOPC Representative: William Grant

TWG Representative: John Fulton

Reason For Change: 2009 STEP identified 2012 reliability need date for the installation of the Tuco 345/230 kV transformer Ckt 2.

Categorization: Balanced Portfolio

Network Upgrade Specification: Install the transformer for emergency rating 560 MVA.

Network Upgrade Justification: To address the overload of the Tuco Interchange 345/230 kV transformer due to load growth in the Tuco area.

Need Date for Network Upgrade: 6/1/2012

Estimated Cost for Network Upgrade (current day dollars): \$11,250,000

Cost Allocation of the Network Upgrade: Region-wide charge as specified by Attachment J, SPP OATT

Estimated Cost Source: SPP

Commitment to Construct

Please provide to SPP a written commitment to construct the Network Upgrade(s) within 90 days of the date of this Notification to Construct, pursuant to Attachment O, Section VIII.6 of the SPP OATT, in addition to providing a construction schedule for the Network Upgrade(s). Failure to provide a 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) 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 Southwestern Public Service Company's part to complete the approved Network Upgrade(s). For project tracking purposes, SPP requires Southwestern Public Service Company 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, consistent with Sections 20.1 and 32.10 of the SPP OATT, Southwestern Public Service Company 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 "Bruce A. Rew".

Bruce Rew
Vice President, Engineering
Phone (501) 614-3214 • Fax: (501) 821-3198 • BRew@spp.org

cc: Carl Monroe, Les Dilahunty, Pat Bourne, Jay Caspary, Keith Tynes, John Mills,
SPPprojecttracking@spp.org, William Grant