



Southwest Power Pool, Inc.
FIRST QUARTERLY
PROJECT TRACKING REPORT
JANUARY 2010



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I. Project Tracking, Current SPP Process:

SPP actively monitors and supports the progress of transmission expansion projects, emphasizing the importance of maintaining accountability for areas such as grid regional reliability standards, firm transmission commitments and tariff cost recovery.

Each quarter, SPP staff solicits feedback from the project owners to determine the progress of each approved transmission project. This quarterly report charts the progress of all SPP Transmission Expansion Plan (STEP) projects approved either directly by the Board of Directors or through a FERC filed service agreement under the SPP Open Access Transmission Tariff (OATT).

II. Project Summary:

There are 482 projects with an approximate engineering and construction (E&C) cost of \$3.2 billion currently being tracked. An aggregate study was completed this quarter that resulted in the issuance of 2 Notifications To Construct (NTC) containing 4 projects with a total estimated E&C of \$5.9 million.

| 4th Quarter 2009 Project Tracking Summary | | |
|--|---------------------------|------------------------|
| Upgrade Type | Number of Upgrades | Cost Estimate |
| Regional Reliability | 276 | \$1,236,252,902 |
| Regional Reliability - Non OATT | 12 | \$70,825,000 |
| Zonal Reliability | 10 | \$22,832,843 |
| Transmission Service | 76 | \$450,049,223 |
| Generation Interconnect | 12 | \$92,727,000 |
| Balanced Portfolio | 18 | \$791,797,500 |
| Other Sponsored Upgrades | 78 | \$529,308,125 |
| TOTALS | 482 | \$3,193,792,593 |

Figure 1: 2009 4th Quarter Project Summary

* NOTE: The approved 2009 Balanced Portfolio included 7 major approved projects, which, for tracking purposes, were separated into 18 different upgrades. The cost of the Portfolio has increased based upon revisions promoting a more consistent EHV planning design and updated cost estimates from our members.

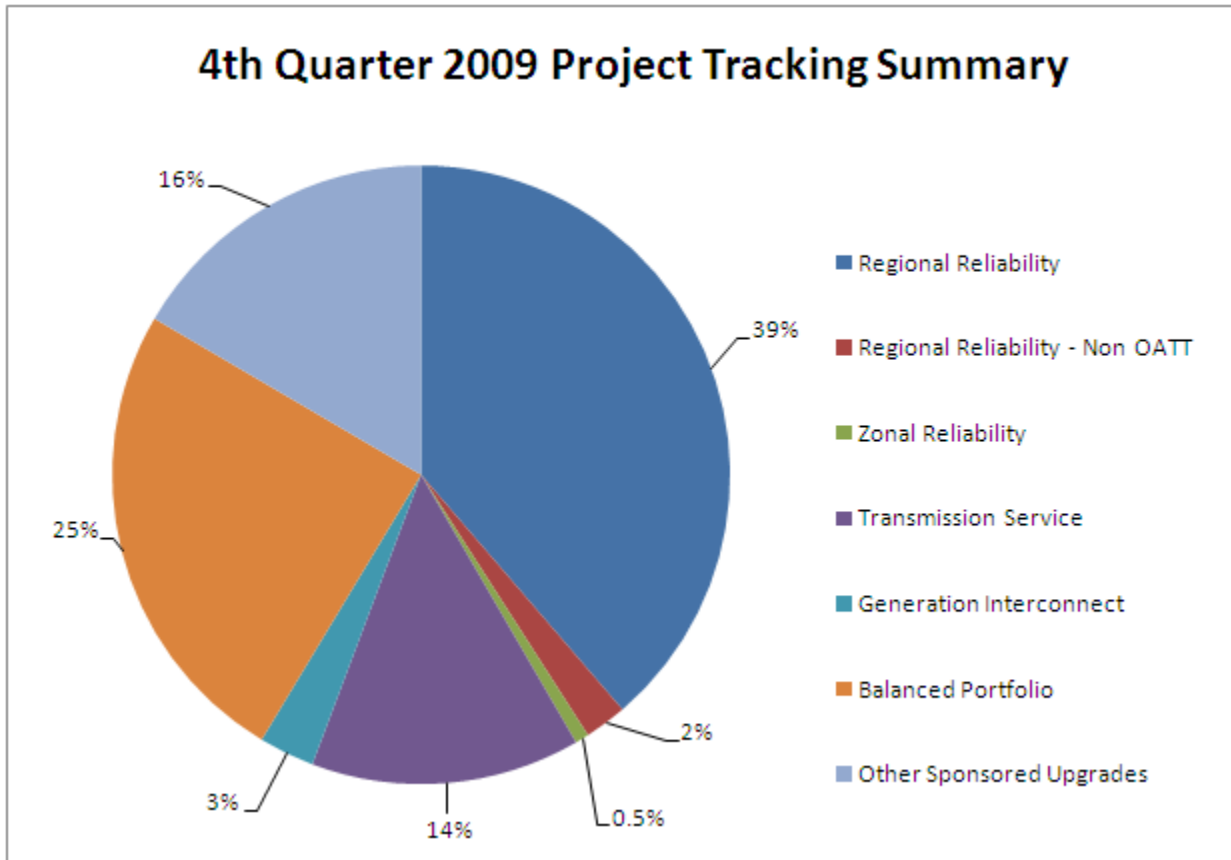


Figure 2: Breakdown of Project Categories on Cost Basis

III. Regional Reliability Project Summary:

Regional reliability projects include all tariff signatory projects identified in an SPP study to meet regional reliability criteria for which NTC letters have been issued. There are 276 regional reliability upgrades with an approximate E&C cost of \$1.2 billion.

There were 9 upgrades, with latest E&C cost estimates at \$24.6 million, completed in the 4th quarter of 2009. There are 86 upgrades, with latest E&C cost estimates at \$292.1 million, on schedule to be completed within the next 4 years. There are 32 long-term upgrades, with the latest E&C cost estimates at \$315.7 million, on schedule with a completion date greater than 4 years. Transmission Owners have provided mitigation plans for 102 upgrades with current E&C estimates of \$433.4 million.

IV. Transmission Service/Generation Interconnection (TSR/GI) Project Summary:



This category contains projects identified as needed to support new Transmission Service (TSR) and Generation Interconnection (GI) service agreements. There are 76 Transmission Service and 12 Generation Interconnection upgrades with a total E&C cost of \$542.8 million.

There was one Transmission Service upgrade completed during the 4th quarter of 2009. This project had an estimated E&C cost of \$1.2 million. There are 49 Transmission Service upgrades estimated at \$392.3 million on schedule to be completed within the next 4 years. There are 9 long-term Transmission Service upgrades estimated at \$22.6 million that are on schedule with a completion date of greater than 4 years. Mitigation plans have been provided by the Transmission Owners for 6 upgrades estimated at \$20.8 million. No Transmission Service upgrade has been delayed beyond the RTO determined need date without having an interim mitigation plan.

All Generation Interconnection upgrades are on schedule, with no change in the status from last quarter's report. The 12 upgrades are estimated to be complete within the next 4 years at an estimated cost of \$92.7 million.

| 4th Quarter 2009 Project Tracking Status | | | | | | |
|---|------------------------|---------------------|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|
| Top number is number of upgrades in category | | | | | | |
| Bottom number is estimated cost of upgrades in category | | | | | | |
| Upgrade Type | Total | Complete | On Schedule completed within 4 years | On Schedule completed beyond 4 years | Behind Schedule - With Mitigation | Behind Schedule - Without Mitigation |
| Reliability | 276 \$1,236,252,902 | 56 \$194,952,336 | 86 \$292,158,273 | 32 \$315,726,754 | 102 \$433,415,540 | 0 \$0 |
| Transmission Service | 76 \$450,049,223 | 12 \$14,385,200 | 49 \$392,307,000 | 9 \$22,562,775 | 6 \$20,794,248 | 0 \$0 |
| Generation Interconnect | 12 \$92,727,000 | 0 \$0 | 12 \$92,727,000 | 0 \$0 | 0 \$0 | 0 \$0 |

Figure 3: Project Status

V. Completed Projects Summary:

The Quarterly Project Tracking saw completion of 10 upgrades within Reliability, Transmission Service, and Generation Interconnect projects worth an estimated \$25.8 million. Figure 4 gives a summary of these projects completed in 2009. Previous Quarter's updated results are listed as the Transmission Owners made adjustments to final costs and status of projects completed prior to the 4th Quarter.

| 2009 Project Completion | | | | | | |
|--------------------------------|--------------------|---------------------|--------------------|-------------------------------|-------------------------------------|---------------------|
| | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter | Updates to Previous Quarters | Totals YTD |
| Reliability | 8 \$30,658,517 | 34 \$115,343,767 | 4 \$24,266,233 | 9 \$24,620,132 | 1 \$63,687 | 56 \$194,952,336 |
| Transmission Service | 2 \$1,025,000 | 8 \$12,066,800 | 1 \$2,373,030 | 1 \$1,193,400 | 0 -\$2,273,030 | 12 \$14,385,200 |
| Generation Interconnect | 0 \$0 | 0 \$0 | 0 \$0 | 0 \$0 | 0 \$0 | 0 \$0 |

Figure 4: 2009 Completed Project Summary

The two zonal reliability upgrades for Westar Energy that were delayed beyond the RTO Determined need date without SPP Staff approved mitigation plans have been completed. The 15 Mvar capacitor bank has been installed for the Seneca Cap 115kV project, and the Sunset 69kV Capacitor project has been completed. Both projects' final costs totaled \$1.8 million.

There were also 4 Zonal Sponsored projects that completed in the 4th quarter of 2009. These projects had a total estimated cost of \$8.5 million.

VI. Future Projections:

1st Quarter 2010:

For the first 3 months of 2010, 17 projects are on schedule to be completed. This includes 4 projects that are currently in Mitigation. Total Estimated Cost for these 17

projects is \$245.5 million, with Sponsored projects being the majority with 7 at \$218 million.

January through December, 2010:

The next 12 months is scheduled to have a total of 137 projects complete at an Estimated Cost of \$770.2 million, and 56 of these projects are currently in Mitigation. By far the majority of these are Regional Reliability projects with a total of 84 projects at \$296 million.

| Scheduled Complete Next Quarter | | Scheduled Complete Next 12 Months | |
|---------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| Reliability | 3 \$2,780,000 | Reliability | 84 \$295,976,226 |
| Reliability-Non OATT | 1 \$2,200,000 | Reliability-Non OATT | 3 \$5,200,000 |
| Zonal Reliability | 0 \$0 | Zonal Reliability | 2 \$3,657,630 |
| Transmission Service | 1 \$1,594,248 | Transmission Service | 16 \$34,531,848 |
| Generation Interconnect | 3 \$8,177,000 | Generation Interconnect | 5 \$52,194,000 |
| Balanced Portfolio | 0 \$0 | Balanced Portfolio | 0 \$0 |
| Sponsored | 7 \$218,000,000 | Sponsored | 8 \$318,618,016 |
| Zonal Sponsored | 2 \$12,750,000 | Zonal Sponsored | 19 \$60,046,050 |
| Total | 17 \$245,501,248 | Total | 137 \$770,223,770 |

Figure 5: Projects Scheduled to Complete 2010

SPP 1st Quarter 2010 Project Tracking List - Branches and Transformers

| | |
|----------------------------|--|
| COMPLETE | Complete. |
| ON SCHEDULE <4 | On Schedule 4 Year Horizon. |
| ON SCHEDULE >4 | On Schedule beyond 4 Year Horizon. |
| MITIGATION | Behind schedule, interim mitigation provided or project may change but time permits the implementation of project. |
| RE-EVALUATION | Behind schedule, require re-evaluation due to anticipated load forecast changes. |
| DELAY-NO MITIGATION | Delayed beyond the RTO Determined need date and no mitigation plan provided |
| \$ / months | Project lead time and cost estimated by SPP staff |

Project types "zonal-sponsored" and "regional reliability - non OATT" do not receive NTCs and are not filed at FERC but are being tracked because they are expected to be built in the near term

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments | |
|--------|-------|-------|------|---------------|---|---------------------------------|---|--------------------------|--|-----------------------|------------|-------------------|----------------|--|--|
| 20015 | 30143 | 50151 | AECC | AECC | Line - MCNAB - TURK 115KV CKT 1 AECC | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$165,000 | | | ON SCHEDULE <4 | Full BPF | |
| 20015 | 351 | 10460 | AECC | AECC | Line - Hope - Fulton 115 kV Recond | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$1,512,000 | | | ON SCHEDULE <4 | Full BPF | |
| 20015 | 351 | 10461 | AECC | AECC | Fulton Switching Station | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$440,000 | | | ON SCHEDULE <4 | Full BPF | |
| | 283 | 10367 | 330 | AECI | Multi - Blackberry - Chouteau - GRDA 1 | regional reliability - non OATT | 06/01/12 | | | \$57,000,000 | | | ON SCHEDULE <4 | | |
| | 283 | 10368 | 330 | AECI | Multi - Blackberry - Chouteau - GRDA 1 | regional reliability - non OATT | 02/01/11 | | | | | | | ON SCHEDULE <4 | |
| | 283 | 10369 | 330 | AECI | Multi - Blackberry - Chouteau - GRDA 1 | regional reliability - non OATT | 02/01/11 | | | | | | | ON SCHEDULE <4 | |
| | 283 | 10916 | 330 | AECI | Multi - Blackberry - Chouteau - GRDA 1 | regional reliability - non OATT | 02/01/11 | | | | | | | ON SCHEDULE <4 | |
| | 283 | 10781 | 330 | AECI | Multi - Blackberry - Chouteau - GRDA 1 | regional reliability - non OATT | 02/01/11 | | | | | | | ON SCHEDULE <4 | Chouteau 2 Sub estimated completion date is 04/01/10 |
| | 610 | 10782 | 330 | AECI | Line - Camp Clark - Lamar 161 kV | regional reliability - non OATT | 06/01/11 | | | | | | | ON SCHEDULE <4 | |
| | 611 | 10783 | 330 | AECI | XFR - Lamar 69/161 kV | regional reliability - non OATT | 06/01/11 | | | | | | ON SCHEDULE <4 | | |
| 19999 | 115 | 10145 | 520 | AEP | Line - Northwest Texarkana - Alumax Tap | regional reliability | 03/04/08 | 06/01/07 | 02/01/07 | \$2,160,000 | | | COMPLETE | | |
| 19957 | 114 | 10144 | 520 | AEP | Line - Northwest Texarkana-Bann T - Bann 138kV | transmission service | 03/26/08 | 06/01/08 | 01/02/07 | \$25,000 | | | COMPLETE | | |
| 19957 | 116 | 10146 | 520 | AEP | Line - Alumax Tap - Bann | transmission service | 03/26/08 | 06/01/09 | 01/02/07 | \$1,180,000 | | | COMPLETE | 86% BPF | |
| 20000 | 110 | 10137 | 520 | AEP | XFR - Pryor Junction 138/69 kV | regional reliability | 04/25/08 | 06/01/08 | 02/13/08 | \$1,829,100 | | | COMPLETE | | |
| 19997 | 120 | 10150 | 520 | AEP | Line - Linwood to McWillie Street Rebuild | regional reliability | 04/30/08 | 06/01/08 | 03/09/06 | \$1,100,000 | | | COMPLETE | | |
| 19999 | 109 | 10133 | 520 | AEP | Multi - Fayetteville 69 kV conversion | regional reliability | 05/08/08 | 06/01/08 | 02/02/07 | \$21,000,000 | | | COMPLETE | | |
| 19999 | 109 | 10134 | 520 | AEP | | regional reliability | 05/08/08 | 06/01/08 | 02/02/07 | | | | | COMPLETE | |
| 19999 | 109 | 10135 | 520 | AEP | | regional reliability | 05/08/08 | 06/01/08 | 02/02/07 | | | | | COMPLETE | |
| 19999 | 109 | 10136 | 520 | AEP | | regional reliability | 05/08/08 | 06/01/08 | 02/02/07 | | | | | COMPLETE | |
| 19998 | 117 | 10147 | 520 | AEP | Line - Chamber Springs - Tontitown 345 kV | regional reliability | 05/15/08 | 06/01/07 | 02/14/07 | \$14,405,000 | | | COMPLETE | | |
| 20000 | 107 | 10132 | 520 | AEP | Line - E Rogers - Avoca 161 kV | regional reliability | 05/20/08 | 06/01/08 | 02/13/08 | \$720,000 | | | COMPLETE | Switchable Series Reactor | |
| 19958 | 119 | 10149 | 520 | AEP | Line - Cache - Snyder 138kV | transmission service | 05/21/08 | 06/01/08 | 10/11/06 | \$85,000 | | | COMPLETE | Only 86.3% of costs BPF as rest covered by PTP base rate | |
| 20000 | 106 | 10130 | 520 | AEP | Line - Snyder - Altus Junction 138 kV | regional reliability | 05/21/08 | 06/01/13 | 02/13/08 | \$16,760,000 | | | COMPLETE | | |
| 20000 | 227 | 10291 | 520 | AEP | Line - Breaker Daingerfield - Jenkins REC 69 kV | regional reliability | 12/12/08 | 06/01/09 | 02/13/08 | \$250,000 | | 12 months | COMPLETE | | |
| 20012 | 112 | 10139 | 520 | AEP | Line - Sayre - Erick | regional reliability | 02/06/09 | 06/01/09 | 07/28/08 | \$10,400,000 | | 24 months | COMPLETE | | |
| 20016 | 30151 | 50159 | 520 | AEP | Line - LINWOOD - MCWILLIE STREET 138KV CKT 1 #2 | transmission service | 04/30/09 | 06/01/09 | 01/16/09 | \$125,000 | | 15 months | COMPLETE | | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-------|-------|------|---------------|---|----------------------|---|--------------------------|--|-----------------------|------------|-------------------|---|--|
| 20000 | 217 | 10276 | 520 | AEP | Line - Tap N. Huntington - Waldron 69 kV | regional reliability | 11/17/09 | 06/01/08 | 02/13/08 | \$776,000 | | 15 months | COMPLETE | Change project status to complete.Mitigation Plan: North Huntington - Midland Relief Procedure |
| 20000 | 218 | 10277 | 520 | AEP | Line - Huntington - N Huntington 69 kV | regional reliability | 11/30/09 | 06/01/09 | 02/13/08 | \$20,000 | | 9 months | COMPLETE | This project is still on schedule for completion before N. Huntington - Waldron. Change project status to complete. |
| 20000 | 219 | 10278 | 520 | AEP | Line - Excelsior - Excelsior Tap 161 kV | regional reliability | 06/30/09 | 06/01/09 | 02/13/08 | \$4,000,000 | | 24 months | COMPLETE | Reeves Road station will be built under the existing North Huntington - Bonanza 161kV line. This project will replace the Excelsior Tap project. |
| 19954 | 220 | 10279 | 520 | AEP | Line - Riverside Station - Explorer Glenpool 138 kV Ckt 1 | transmission service | 03/23/09 | 06/01/09 | 07/21/06 | \$1,000,000 | | 24 months | COMPLETE | 3.3% BPF. Remainder of RR paid by PTP base rate |
| 20000 | 221 | 10280 | 520 | AEP | Line - Hope - Fulton 115 kV | regional reliability | 03/31/09 | 06/01/09 | 02/13/08 | \$100,000 | | 15 months | COMPLETE | |
| 20027 | 222 | 10281 | 520 | AEP | Line - Bonanza - Bonanza Tap 161 kV | regional reliability | 12/11/09 | 06/01/10 | 01/27/09 | \$594,000 | | 15 months | ON SCHEDULE <4 | |
| 19956 | 224 | 10283 | 520 | AEP | XFR - Southwest Shreveport Transformer Ckt 1 345/161 kV | transmission service | 04/03/09 | 06/01/10 | 06/27/07 | \$6,873,000 | | 30 months | COMPLETE | |
| 19956 | 224 | 10284 | 520 | AEP | XFR - Southwest Shreveport Transformer Ckt 2 345/161 kV | transmission service | 04/03/09 | 06/01/10 | 06/27/07 | | 30 months | COMPLETE | | |
| 20000 | 225 | 10286 | 520 | AEP | Line - North Magazine - Magazine REC - Danville 161 kV | regional reliability | 06/17/09 | 06/01/09 | 02/13/08 | \$13,705,000 | | 24 months | COMPLETE | |
| 20000 | 225 | 10289 | 520 | AEP | Line - North Magazine - Magazine REC - Danville 161 kV | regional reliability | 06/17/09 | 06/01/09 | 02/13/08 | \$6,090,000 | | 24 months | COMPLETE | |
| 20000 | 113 | 10745 | 520 | AEP | Multi - Wallace Lake - Port Robson - RedPoint 138 kV | regional reliability | 06/01/09 | 06/01/12 | 02/13/08 | \$2,580,000 | | 24 months | COMPLETE | Could not locate NTC. Perhaps SPP added UIDs to capture new branches created due to new busses added to branch that had a previous NTC ??? SPP please confirm. SPP |
| 20000 | 113 | 10746 | 520 | AEP | Multi - Wallace Lake - Port Robson - RedPoint 138 kV | regional reliability | 06/01/09 | 06/01/12 | 02/13/08 | \$4,460,000 | | 24 months | COMPLETE | Could not locate NTC. Perhaps SPP added UIDs to capture new branches created due to new busses added to branch that had a previous NTC ??? SPP please confirm. SPP |
| 20000 | 229 | 10292 | 520 | AEP | Multi - Flint Creek - E Centerton 161 kV | regional reliability | 05/19/09 | 06/01/11 | 02/13/08 | \$14,200,000 | | 24 months | COMPLETE | |
| 20000 | 229 | 10293 | 520 | AEP | Multi - Flint Creek - E Centerton 161 kV | regional reliability | 05/19/09 | 06/01/13 | 02/13/08 | | 24 months | COMPLETE | | |
| 20000 | 229 | 10294 | 520 | AEP | Multi - Flint Creek - E Centerton 161 kV | regional reliability | 06/01/10 | 06/01/13 | 02/13/08 | | 24 months | ON SCHEDULE <4 | | |
| 20000 | 230 | 10295 | 520 | AEP | Line - Broken Bow - Craig Junction 138 kV | regional reliability | 05/08/09 | 06/01/08 | 02/13/08 | \$6,602,000 | | 18 months | COMPLETE | |
| 20005 | 177 | 10728 | 520 | AEP | Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo | regional reliability | 04/01/10 | 06/01/12 | 02/20/08 | \$2,887,800 | | 12 months | ON SCHEDULE <4 | Add to pick up AEP breaker work |
| 20005 | 177 | 10729 | 520 | AEP | Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo | regional reliability | 04/01/10 | 06/01/12 | 02/20/08 | \$442,800 | | 12 months | ON SCHEDULE <4 | Added to pick up AEP relay work |
| | 695 | 10911 | 520 | AEP | Line- Canadian Pump Station line tap | zonal-sponsored | 03/20/09 | | | \$1,616,000 | | 10 months | COMPLETE | |
| | 695 | 10912 | 520 | AEP | Line- Canadian Pump Station line tap | zonal-sponsored | 03/20/09 | | | | 10 months | COMPLETE | | |
| | | | 520 | AEP | Line - Bransdall Pump Station Tap | zonal-sponsored | 09/28/09 | | | \$4,450,000 | | 15 months | COMPLETE | Change project status to complete. New Planned Project by AEP Too late to put in 2008 STEP |
| | | | 520 | AEP | Line - Bransdall Pump Station Tap | zonal-sponsored | 09/28/09 | | | | 15 months | COMPLETE | Change project status to complete.New Planned Project by AEP Too late to put in 2008 STEP | |
| 20016 | 507 | 10652 | 520 | AEP | Line - ARSENAL HILL - FORT HUMBBUG 138KV CKT 1 | transmission service | 06/01/10 | 06/01/10 | 01/16/09 | \$5,428,300 | | 18 months | ON SCHEDULE <4 | Full BPF Displacement filing needed at FERC |
| 20016 | 30149 | 50157 | 520 | AEP | Line - DYESS - TONTITOWN 161KV CKT 1 | transmission service | 02/04/09 | 06/01/10 | 01/16/09 | \$100,000 | | 15 months | COMPLETE | Full BPF |
| 20016 | 30147 | 50155 | 520 | AEP | XFR - ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2 | transmission service | 06/01/10 | 06/01/10 | 01/16/09 | \$3,005,700 | | 18 months | ON SCHEDULE <4 | Full BPF |
| 20016 | 30146 | 50154 | 520 | AEP | XFR - ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1 | transmission service | 06/01/10 | 06/01/10 | 01/16/09 | \$3,005,700 | | 18 months | ON SCHEDULE <4 | Full BPF |
| 20016 | 30145 | 50153 | 520 | AEP | Line - ARSENAL HILL - WATERWORKS 69KV CKT 1 | transmission service | 05/19/09 | 06/01/10 | 01/16/09 | \$3,898,800 | | 18 months | COMPLETE | Full BPF |
| 20016 | 30144 | 50152 | 520 | AEP | Line - ARSENAL HILL - MCWILLIE STREET 138KV CKT 1 | transmission service | 05/06/09 | 06/01/10 | 01/16/09 | \$100,000 | | 12 months | COMPLETE | Full BPF Displacement filing needed at FERC. |
| 20016 | 30153 | 50161 | 520 | AEP | XFR - LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 | transmission service | 06/01/10 | 06/01/10 | 01/16/09 | \$200,000 | | | ON SCHEDULE <4 | |
| 20000 | 113 | 10140 | 520 | AEP | Multi - Wallace Lake - Port Robson - RedPoint 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$9,480,000 | | 24 months | ON SCHEDULE <4 | |
| 20000 | 113 | 10786 | 520 | AEP | Multi - Wallace Lake - Port Robson - RedPoint 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$11,988,400 | | 24 months | ON SCHEDULE <4 | |
| 20000 | 113 | 11081 | 520 | AEP | Multi - Wallace Lake - Port Robson - RedPoint 138 kV | regional reliability | 06/01/09 | 06/01/12 | 02/13/08 | \$5,312,100 | | 24 months | COMPLETE | |
| 20000 | 113 | 10143 | 520 | AEP | Multi - Wallace Lake - Port Robson - RedPoint 138 kV | regional reliability | 05/09/08 | 06/01/12 | 02/13/08 | \$3,000,000 | | 24 months | COMPLETE | |
| 20000 | 113 | 10141 | 520 | AEP | Multi - Wallace Lake - Port Robson - RedPoint 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$19,482,000 | | 24 months | ON SCHEDULE <4 | |
| 19959 | 289 | 10375 | 520 | AEP | Line - Clinton City Wave Trap | transmission service | 06/01/10 | 06/01/10 | 10/17/06 | \$135,400 | | 9 months | ON SCHEDULE <4 | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|---------|-------|-------|------|---------------|---|---------------------------------|---|--------------------------|--|-----------------------|------------|-------------------|--------------------|--|
| 20016 | 291 | 10377 | 520 | AEP | Line - Bann - Lonestar Ordinance Tap 69 kV | transmission service | 01/13/09 | 06/01/12 | 01/16/09 | \$25,000 | | 6 months | COMPLETE | Completed 1/13/2009 |
| 20000 | 294 | 10380 | 520 | AEP | Line - North Mineola - Mineola 69 kV | regional reliability | 06/01/10 | 06/01/10 | 02/13/08 | \$339,000 | | 15 months | ON SCHEDULE <4 | |
| 19953 | 295 | 10381 | 520 | AEP | Line - Coffeyville Tap - Dearing - 138 kV | transmission service | 06/01/10 | 06/01/10 | 06/26/07 | \$1,008,000 | | 24 months | ON SCHEDULE <4 | Displacement need to make filing for displacement \$ |
| 20000 | 297 | 10383 | 520 | AEP | Line - Quitman - Westwood 69 kV | regional reliability | 06/01/10 | 06/01/10 | 02/13/08 | \$3,827,000 | | 24 months | ON SCHEDULE <4 | |
| 20016 | 296 | 10382 | 520 | AEP | Line - Dyess - Elm Springs REC 161 kV CKT 1 #2 | transmission service | 06/01/10 | 06/01/10 | 01/16/09 | \$6,252,000 | | 24 months | ON SCHEDULE <4 | Switch replacement, not a reconductor, is needed in 2008. |
| 20027 | 613 | 10784 | 520 | AEP | Line - Diana-Lone Star South 138 kV | regional reliability | 12/01/10 | 12/01/10 | 01/27/09 | \$100,000 | | 12 months | ON SCHEDULE <4 | |
| 20027 | 449 | 10581 | 520 | AEP | Line - Carthage - Rock Hill 69 kV | regional reliability | 04/20/09 | 06/01/10 | 01/27/09 | \$50,000 | | 9 months | COMPLETE | Completed 4/20/2009 |
| 20027 | 480 | 10617 | 520 | AEP | Line - Snyder - Snyder 138kV | regional reliability | 12/31/10 | 06/01/09 | 01/27/09 | \$800,000 | | 24 months | DELAY - MITIGATION | WFEC to supply mitigation plan |
| 20027 | 292 | 10378 | 520 | AEP | Line - Greggton - Lake Lamond 69 kV | regional reliability | 06/01/10 | 06/01/11 | 01/27/09 | \$4,047,000 | | 24 months | ON SCHEDULE <4 | |
| | 231 | 10296 | 520 | AEP | Line - Turk - SE Texarkana - 138 kV | generation interconnect | 12/31/10 | | | \$25,590,000 | | 48 months | ON SCHEDULE <4 | |
| | 232 | 10297 | 520 | AEP | Line - Turk - Sugar Hill 138 kV | generation interconnect | 12/31/10 | | | \$18,427,000 | | 48 months | ON SCHEDULE <4 | |
| | 216 | 10275 | 520 | AEP | Line - Ben Wheeler - Barton's Chapel (Rayburn) 138 kV Ckt 1 | regional reliability - non OATT | 12/31/10 | | | | | 18 months | ON SCHEDULE <4 | Rayburn Country Project. |
| 20016 | 108 | 10441 | 520 | AEP | Line - North Market - Arsenal Hill 69 kV | regional reliability | 01/30/09 | 06/01/10 | 01/16/09 | \$3,210,000 | | 24 months | COMPLETE | |
| 20016 | 343 | 10440 | 520 | AEP | Line - Winnsboro - Magnolia Tap 69 kV | regional reliability | 06/01/10 | 06/01/10 | 01/16/09 | \$250,000 | | 15 months | ON SCHEDULE <4 | |
| 20016 | 345 | 10442 | 520 | AEP | Line - Magnolia - Forest Hill 69 kV | regional reliability | 06/01/10 | 06/01/10 | 01/16/09 | \$125,000 | | 15 months | ON SCHEDULE <4 | Should be removed. Switch # 9116 at Magnolia Tap has been removed, and therefore does not need to be replaced. Summer ratings are already 73/85 MVA. |
| 20016 | 346 | 10443 | 520 | AEP | Line - Forest Hills - Quitman 69 kV | regional reliability | 06/01/10 | 06/01/10 | 01/16/09 | \$100,000 | | 15 months | ON SCHEDULE <4 | |
| 20000 | 347 | 10444 | 520 | AEP | Line - Woodlawn - Baldwin 69 kV | regional reliability | 06/01/11 | 06/01/11 | 02/13/08 | \$2,000,000 | | 18 months | ON SCHEDULE <4 | |
| 20016 | 348 | 10445 | 520 | AEP | Line - Dyess - Tontitown 161 kV | regional reliability | 06/01/10 | 06/01/10 | 01/16/09 | \$224,000 | | 12 months | ON SCHEDULE <4 | |
| 20027 | 452 | 10586 | 520 | AEP | XFR - Whitney 138/69 kV | regional reliability | 06/01/11 | 06/01/11 | 01/27/09 | \$350,000 | | 18 months | ON SCHEDULE <4 | Re-rating autotransformers. However, leave this row in because switches will need to be replaced. |
| 20016 | 349 | 10449 | 520 | AEP | Line - MCNAB REC - Turk 115 kV recond | transmission service | 12/31/11 | 04/01/12 | 01/16/09 | \$540,000 | | 60 months | ON SCHEDULE <4 | |
| 20016 | 349 | 10450 | 520 | AEP | Line - McNab REC - Hope | transmission service | 12/31/11 | 04/01/12 | 01/16/09 | \$2,170,000 | | 60 months | ON SCHEDULE <4 | |
| 20016-1 | 349 | 10456 | 520 | AEP | XFR - Turk 345/138 kV | transmission service | 04/01/12 | 04/01/12 | 09/18/09 | \$7,310,000 | | 60 months | ON SCHEDULE <4 | |
| | 350 | 10459 | 520 | AEP | Line - Bann - Red Springs REC | generation interconnect | 12/31/11 | | | \$277,000 | | 60 months | ON SCHEDULE <4 | |
| | 349 | 10446 | 520 | AEP | Line - Ashdown - Okay 115 kV | generation interconnect | 06/01/11 | | | \$7,810,000 | | 60 months | ON SCHEDULE <4 | |
| | 349 | 10447 | 520 | AEP | Line - Ashdown - Patterson 138 kV | generation interconnect | 12/31/11 | | | \$11,431,000 | | 60 months | ON SCHEDULE <4 | |
| | 349 | 10448 | 520 | AEP | Line - MCNAB REC - Turk 115 kV | generation interconnect | 12/31/11 | | | \$1,773,000 | | 60 months | ON SCHEDULE <4 | |
| | 349 | 10451 | 520 | AEP | XFR - Okay 115/69 kV | generation interconnect | 12/31/11 | | | \$3,266,000 | | 60 months | ON SCHEDULE <4 | Replacement not needed in 2009 due to re-rating, but replacement needed in 2011 due to voltage conversion associated with Turk. |
| | 349 | 10452 | 520 | AEP | Line - Okay 115 - Turk 138 kV | generation interconnect | 12/31/11 | | | \$8,170,000 | | 60 months | ON SCHEDULE <4 | |
| | 349 | 10457 | 520 | AEP | XFR - Turk 138/115 kV #1 | generation interconnect | 12/31/11 | | | \$7,806,000 | | 48 months | ON SCHEDULE <4 | |
| 20016 | 30157 | 50165 | 520 | AEP | Line - SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1 | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$8,193,000 | | 24 months | ON SCHEDULE <4 | Full BPF |
| 20016 | 30156 | 50164 | 520 | AEP | Line - SE TEXARKANA - TEXARKANA PLANT 69KV CKT 1 | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$128,000 | | 9 months | ON SCHEDULE <4 | Full BPF |
| 20016 | 30155 | 50163 | 520 | AEP | Line - OKAY - TOLLETTE 69KV CKT 1 | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$80,000 | | 12 months | ON SCHEDULE <4 | Full BPF |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-------|-------|-------|---------------|--|----------------------|---|--------------------------|--|-----------------------|------------|-------------------|--------------------|---|
| 20048 | 30148 | 50156 | 520 | AEP | Line - BANN - LONESTAR ORDINANCE TAP 69KV CKT 1 #2 | transmission service | 06/01/12 | 06/01/12 | 09/18/09 | \$273,400 | | 24 months | ON SCHEDULE <4 | Full BPF. Switch replacement only, per SPP/AEP rebuild of the 4.14 miles of 397 ACSR with 795 ACSR is not required. SPP to provide revised NTC |
| 20016 | 30154 | 50162 | 520 | AEP | Line - MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 # 2 | transmission service | 06/01/09 | 06/01/12 | 01/16/09 | \$100,000 | | 12 months | COMPLETE | Full BPF. Completed 6/1/2009 |
| 20016 | 30152 | 50160 | 520 | AEP | Line - LINWOOD - POWELL STREET 138KV CKT 1 | transmission service | 06/01/12 | 06/01/12 | 01/16/09 | \$456,000 | | 15 months | ON SCHEDULE <4 | Full BPF |
| 20016 | 30142 | 50148 | 520 | AEP | Line - Turk - NW Texarkana 345 kV | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$48,580,000 | | 33 months | ON SCHEDULE <4 | Change PID and UID (old PID 349 and old UID 10453) |
| 20016 | 30142 | 50149 | 520 | AEP | Line - Turk - NW Texarkana 345 kV | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | | | 33 months | ON SCHEDULE <4 | Change PID and UID (old PID 349 and old UID 10453) |
| 20016 | 30142 | 50150 | 520 | AEP | Line - Turk - NW Texarkana 345 kV | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | | | 33 months | ON SCHEDULE <4 | Change PID and UID (old PID 349 and old UID 10453) |
| 20016 | 288 | 10374 | 520 | AEP | Line - Valliant Substation - Install 345 kV terminal equipment | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$3,840,000 | | 24 months | ON SCHEDULE <4 | Notification received from the SPP concurring with the new in-service date due to the delay of the Turk plant. 73% BPF |
| 20027 | 392 | 10510 | 520 | AEP | Line - Howell - Kilgore 69 kV | regional reliability | 06/01/12 | 06/01/09 | 01/27/09 | \$3,986,000 | | 18 months | DELAY - MITIGATION | 69 kV overloads, open Sabine-Service Pipeline Tap with breaker 1P90 at Sabine. |
| 20000 | 387 | 10505 | 520 | AEP | Line - Riverside - Okmulgee 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$125,000 | | 15 months | ON SCHEDULE <4 | |
| 20000 | 388 | 10506 | 520 | AEP | Line - New Boston - North New Boston 69 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$100,000 | | 15 months | ON SCHEDULE <4 | |
| 20000 | 389 | 10507 | 520 | AEP | Line - SE Texarkana - Texarkana 69 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$122,000 | | 15 months | ON SCHEDULE <4 | |
| 20000 | 391 | 10509 | 520 | AEP | Line - Lone Star South - Pittsburg 138kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$300,000 | | 15 months | ON SCHEDULE <4 | |
| 20027 | 443 | 10575 | 520 | AEP | Line - Osborne - Osborne Tap | regional reliability | 06/01/13 | 06/01/13 | 01/27/09 | \$2,000,000 | | 24 months | ON SCHEDULE >4 | |
| 20027 | 641 | 10842 | 520 | AEP | Line -Forest Hills-Quitman 69 kV Switches | regional reliability | 06/01/10 | 06/01/13 | 01/27/09 | \$150,000 | | 15 months | ON SCHEDULE <4 | |
| 20027 | 477 | 10614 | 520 | AEP | Line - Baldwin - Karnack Tap | regional reliability | 06/01/13 | 06/01/13 | 01/27/09 | \$6,900,000 | | 24 months | ON SCHEDULE >4 | |
| 20000 | 450 | 10584 | 520 | AEP | Multi - Flint Creek - Centerton 345 kV and Centerton - East Centerton 161 kV | regional reliability | 06/01/14 | 06/01/14 | 02/13/08 | \$13,104,000 | | 48 months | ON SCHEDULE >4 | |
| 20000 | 450 | 10585 | 520 | AEP | Line - Flint Creek to Shipe Road 345 kV | regional reliability | 06/01/14 | 06/01/14 | 02/13/08 | \$34,085,000 | | 60 months | ON SCHEDULE >4 | |
| 20000 | 450 | 10582 | 520 | AEP | Line - Shipe Road - East Centerton 161 kV | regional reliability | 06/01/14 | 06/01/14 | 02/13/08 | \$11,962,000 | | 60 months | ON SCHEDULE >4 | Replaces Decatur-Centerton 345 kV project. Reconductoring Flint Creek-East Centerton 161 kV by 2010 defers the need for this 345 kV project until 2014. |
| 20027 | 649 | 10853 | 520 | AEP | Line - Lone Star-Locus Grove 115 kV | regional reliability | 06/01/14 | 06/01/14 | 01/27/09 | \$2,150,000 | | 24 months | ON SCHEDULE >4 | |
| 20000 | 511 | 10656 | 520 | AEP | Multi - Centerton - Osage Creek 345 kV | regional reliability | 06/01/16 | 06/01/16 | 02/13/08 | \$11,000,000 | | 60 months | ON SCHEDULE >4 | |
| 20000 | 511 | 10659 | 520 | AEP | Multi - Centerton - Osage Creek 345 kV | regional reliability | 06/01/16 | 06/01/16 | 02/13/08 | \$24,500,000 | | 60 months | ON SCHEDULE >4 | |
| 20000 | 511 | 10660 | 520 | AEP | Multi - Centerton - Osage Creek 345 kV | regional reliability | 06/01/16 | 06/01/16 | 02/13/08 | \$65,500,000 | | 60 months | ON SCHEDULE >4 | |
| 20048 | 446 | 10578 | 520 | AEP | Line - Coffeyville Tap - North Bartlesville 138 kV | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$13,100,000 | | 24 months | ON SCHEDULE <4 | |
| 20048 | 454 | 10588 | 520 | AEP | Line - Bartsville Southeast - North Bartlesville 138 kV | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$8,400,000 | | 24 months | ON SCHEDULE <4 | |
| 20064 | 770 | 11015 | | AEP | Line - Ashdown - Craig 138 kV Rebuild | regional reliability | 06/01/13 | 6/1/2013 | 11/2/2009 | 2,500,000 | | 12 months | ON SCHEDULE <4 | Replaced by Canadian River Tap project. Reduces loading on the line by 1%. |
| 20011 | 212 | 10271 | 546 | CUS | Line - Norton - Neergard 69 kV | regional reliability | 06/01/10 | 06/01/08 | 02/13/08 | \$1,485,000 | | 24 months | DELAY - MITIGATION | SPRM will mitigate overload by transferring load prior to reconductor completion in 2010. |
| | 339 | 10436 | 546 | CUS | XFR - SWPS Bus - SWPS #2 161 kV | zonal-sponsored | 10/01/10 | | | \$3,200,000 | | 24 months | ON SCHEDULE <4 | Related to SW2 being added to the models; This will go to the review committee |
| | 424 | 10552 | 546 | CUS | Line - Southwest - Brookline 161 kV | zonal-sponsored | 06/01/09 | | | \$450,000 | \$444,977 | 24 months | COMPLETE | |
| | 425 | 10553 | 546 | CUS | Line - Southwest - Southwest Disposal 161 kV | zonal-sponsored | 06/01/09 | | | \$175,000 | \$170,890 | 24 months | COMPLETE | |
| | 426 | 10554 | 546 | CUS | Line - Southwest Disposal - Battlefield 161 kV | zonal-sponsored | 06/01/09 | | | \$675,000 | \$594,254 | 24 months | COMPLETE | |
| 20011 | 441 | 10572 | 546 | CUS | Line - Kickapoo - Sunset 69 kV | regional reliability | 06/01/12 | 06/01/13 | 02/13/08 | \$805,000 | | 24 months | ON SCHEDULE <4 | Upgrade requirements being re-evaluated in the 2009 STEP with the Twin Oaks 69 kV 30 MVAR cap bank installed in 2014. |
| 20057 | 539 | 10687 | 546 | CUS | Line - Brookline - Junction 161 kV | transmission service | 05/15/10 | 06/01/13 | 09/18/09 | \$120,000 | | 12 months | ON SCHEDULE >4 | |
| | 287 | 10373 | DETEC | DETEC | Line - Etoile - Chireno | zonal-sponsored | 06/01/11 | | | \$11,299,000 | | | ON SCHEDULE <4 | |
| | 636 | 10834 | DETEC | DETEC | Line-Chireno-Martinsville 138 kV | zonal-sponsored | 06/01/12 | | | \$7,617,000 | | | ON SCHEDULE <4 | |
| 20010 | 207 | 10263 | 544 | EDE | Line - Sub 145 - Joplin West 7th - Sub 341 - Joplin NorthWest 69 kV | regional reliability | 06/01/08 | 06/01/08 | 02/13/08 | \$780,000 | | 12 months | COMPLETE | |
| 19992 | 208 | 10264 | 544 | EDE | Line - SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 1 | regional reliability | 06/01/08 | 06/01/08 | 02/02/07 | \$20,000 | | 6 months | COMPLETE | |

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|--------|-----|-------|------|----------------------|--|---------------------------------|---|--------------------------|--|-----------------------|--------------|-------------------|---|---|
| 20036 | 440 | 10571 | 544 | EDE | Line - Diamond Jct - Sarcoxie SW 69 kV | regional reliability | 01/00/00 | 06/01/09 | 01/27/09 | \$2,274,000 | | 18 months | DELAY - MITIGATION | Line segment uprated (New Summer Rate A/B: 32/41 MVA) due to special case study on limiting element in question. New need date identified as Summer 2013. |
| 19992 | 209 | 10265 | 544 | EDE | Multi - Riverdale - Ozarks 161 kV Ckt 1 | regional reliability | 12/01/09 | 06/01/10 | 02/02/07 | \$14,057,000 | | 30 months | ON SCHEDULE <4 | |
| 19992 | 209 | 10266 | EDE | regional reliability | | 12/01/09 | 06/01/10 | 02/02/07 | ON SCHEDULE <4 | | | | | |
| 19992 | 209 | 10267 | EDE | regional reliability | | 12/01/09 | 06/01/10 | 02/02/07 | ON SCHEDULE <4 | | | | | |
| 19992 | 209 | 10268 | EDE | regional reliability | | 12/01/09 | 06/01/10 | 02/02/07 | ON SCHEDULE <4 | | | | | |
| 20010 | 282 | 10366 | 544 | EDE | Line - Sub 389-Joplin Southwest - Sub 422-Joplin 24th & Connecticut 161 kV | regional reliability | 06/01/09 | 06/01/09 | 02/13/08 | \$5,000 | | 6 months | COMPLETE | |
| 20049 | 382 | 10495 | 544 | EDE | Line - Baxter Spring West - Hockerville 69 kV | regional reliability | 06/01/10 | 06/01/10 | 09/18/09 | \$50,000 | | 6 months | ON SCHEDULE <4 | Previously NTC 20010 |
| | 421 | 10547 | 544 | EDE | Line - Sub 124 - Aurora H.T. - Sub 152 - Monett H.T. 69 kV | regional reliability | 06/01/10 | 06/01/09 | 01/27/09 | \$5,000 | | 6 months | DELAY - MITIGATION | CT ratio corrected in model. Correct Rate A/B: 54/65 (Summer), 72/72 (Winter). Project no longer needed. |
| 19969 | 338 | 10435 | 544 | EDE | Line - SUB 184 - NEOSHO SOUTH JCT. - Neosho (SWPA) 161 kV | transmission service | 06/01/10 | 06/01/10 | 09/22/06 | \$1,215,000 | | 12 months | ON SCHEDULE <4 | Prior to BPF tariff |
| 19970 | 352 | 10730 | 544 | EDE | Line - Oronogo Junction - Riverton 161 kV Recond | transmission service | 06/01/11 | 06/01/11 | 01/10/08 | \$5,750,000 | | 36 months | ON SCHEDULE <4 | 95.1% of costs BPF. 36 month lead time adequate. |
| 19970 | 499 | 10644 | 544 | EDE | XFR - Oronogo - 161/69 kV | transmission service | 06/01/11 | 06/01/11 | 01/10/08 | \$4,000,000 | | 36 months | ON SCHEDULE <4 | |
| 20036 | 638 | 10839 | 544 | EDE | Line - Sub 170 Nichols - Sub 80 Sedalia 69 kV | regional reliability | 06/01/12 | 06/01/12 | 01/27/09 | \$3,520,000 | | 18 months | ON SCHEDULE <4 | |
| 20036 | 420 | 10546 | 544 | EDE | Line - Jamesville - Sub 415-Blackhawk Jct. 69 kV | regional reliability | 06/01/12 | 06/01/17 | 01/27/09 | \$50,000 | | 6 months | ON SCHEDULE <4 | |
| | 496 | 10641 | 544 | EDE | Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - JOPLIN WEST 7TH 1 | regional reliability | 06/01/10 | 06/01/10 | 09/18/09 | \$55,000 | | 6 months | ON SCHEDULE <4 | |
| 20036 | 202 | 10258 | 544 | EDE | Line - Sub 436 - Webb City Cardinal - Sub 110 - Oronogo Jct. 1 69 kV | regional reliability | 01/00/00 | 06/01/14 | 01/27/09 | \$400,000 | | 12 months | ON SCHEDULE >4 | |
| 20036 | 537 | 10685 | 544 | EDE | Line - Sub 383 - Monett 161 kV - Monett 5 161 kV | regional reliability | 06/01/15 | 06/01/15 | 01/27/09 | \$7,369,319 | | 48 months | ON SCHEDULE >4 | |
| 20036 | 537 | 10686 | 544 | EDE | XFR - Monett 5 161 kV - Monett City South 69 kV | regional reliability | 06/01/15 | 06/01/15 | 01/27/09 | \$8,000,000 | | 36 months | ON SCHEDULE >4 | |
| 20036 | 203 | 10259 | 544 | EDE | Line - Sub 109 - Atlas Jct. - Sub 108 - Carthage Northwest 1 69 kV | regional reliability | 01/00/00 | 06/01/18 | 01/27/09 | \$1,277,935 | | 18 months | ON SCHEDULE >4 | |
| 20049 | 496 | 10641 | 544 | EDE | Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - JOPLIN WEST 7TH 1 | regional reliability | 06/01/10 | 06/01/10 | 09/18/09 | \$55,000 | | 12 months | ON SCHEDULE <4 | |
| | 284 | 10370 | 351 | EES | Line - Grandview - Osage | regional reliability - non OATT | 06/01/11 | 06/01/09 | | \$6,000,000 | | 36 months | DELAY - MITIGATION | Preliminary design has begun. |
| 20034 | 650 | 10854 | 540 | GMO | Multi - South Harper 161 kV cut-in to Stilwell-Archie Junction 161 kV line | regional reliability | 06/01/11 | 06/01/09 | 01/27/09 | \$3,500,000 | | 18 months | DELAY - MITIGATION | mitigation plan is to reduce South Harper generation to eliminate contingent overloads on schedule |
| 20034 | 601 | 10768 | 540 | GMO | Multi - Grandview East - Sampson - Longview 161kV lines | regional reliability | 06/01/10 | 06/01/09 | 01/27/09 | \$50,000 | | 6 months | DELAY - MITIGATION | Grandview East wavetraps upgrades completed; mitigation plan is to increase Greenwood generation to eliminate contingent overloads on schedule |
| 20034 | 602 | 10771 | 540 | GMO | Line - Glenare - Liberty 69 kV | regional reliability | 01/31/10 | 06/01/09 | 01/27/09 | \$80,000 | | 6 months | DELAY - MITIGATION | Only mitigation to eliminate criteria violation is to shed load. Plan to complete the project by the required in-service-date. No mitigation plan is needed by then. |
| | 195 | 10249 | 540 | GMO | Line - Pope Lane to Smithville 161kV | zonal-sponsored | 01/01/09 | | | \$4,550,000 | | 12-18 months | COMPLETE | Complete; costs not finalized |
| | 275 | 10359 | 540 | GMO | Multi - 161kV Tap of Platte City to Stranger Creek | generation interconnect | 02/28/10 | | | \$7,127,000 | | 12-18 months | ON SCHEDULE <4 | Project under construction; new completion schedule |
| | 275 | 10360 | 540 | GMO | Multi - 161kV Tap of Platte City to Stranger Creek | generation interconnect | 02/28/10 | | | | 12-18 months | ON SCHEDULE <4 | Project under construction; new completion schedule | |
| 20034 | 627 | 10815 | 540 | GMO | Line - Alabama - Lake Road 161 kV | regional reliability | 06/01/09 | 06/01/10 | 01/27/09 | \$20,000 | | 3 months | COMPLETE | |
| 20034 | 628 | 10816 | 540 | GMO | Line - Platte City - Smithville 161 kV | regional reliability | 12/01/10 | 12/01/10 | 01/27/09 | \$50,000 | | 6 months | ON SCHEDULE <4 | |
| | 331 | 10428 | 540 | GMO | Line - Clinton MIPU - Clinton AECI 161 kV | zonal-sponsored | 06/01/11 | | | \$2,418,750 | | 6-12 months | ON SCHEDULE <4 | |
| | 332 | 10429 | 540 | GMO | XFR - Sibley 161/69kV | zonal-sponsored | 07/01/10 | | | \$2,200,000 | | 18 months | ON SCHEDULE <4 | under construction |
| | 192 | 10246 | 540 | GMO | Line - Iatan - Platte City 161 kV Ckt 1 | generation interconnect | 02/28/10 | | | \$1,050,000 | | 6 months | ON SCHEDULE <4 | |
| 20034 | 634 | 10830 | 540 | GMO | Multi - Loma Vista - Montrose 161 kV - Tap into K.C. South | regional reliability | 11/01/11 | 06/01/09 | 01/27/09 | \$2,369,625 | | 18 months | DELAY - MITIGATION | project is an alternative to replace the reconductor projects of the Duncan Rd - Blue Spring East and Martin City-Grandview East 161 kV lines. Mitigation plan is to increase Greenwood and Dogwood generation, and/or to reduce South Harper generation as needed to eliminate contingent overloads. |
| 20034 | 635 | 10832 | 540 | GMO | Multi - Edmond Substation | regional reliability | 07/01/10 | 04/01/09 | 01/27/09 | \$5,405,930 | | 12-18 months | DELAY - MITIGATION | mitigation plan is to increase Lake Road generation to eliminate Lake Road 161/34.5 kV transformer overloads under emergency |
| 20034 | 646 | 10847 | 540 | GMO | XFR - Clinton 161/69 kV | regional reliability | 06/01/13 | 06/01/13 | 01/27/09 | \$2,000,000 | | 12-18 months | ON SCHEDULE >4 | |

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|--------|-------|-------|------|---------------|--|---------------------------------|---|--------------------------|--|-----------------------|-------------|-------------------|--------------------|--|
| 20053 | 30222 | 50226 | 540 | GMO | Line - Freeman - South Harper 69 kV | regional reliability | 06/01/10 | 06/01/10 | 09/18/09 | \$20,000 | | 6 months | ON SCHEDULE <4 | |
| 20001 | 121 | 10151 | 523 | GRDA | Line - 412 Sub - Kansas Tap 161 kV | regional reliability | 03/11/08 | 06/01/10 | 02/13/08 | \$2,971,180 | \$3,519,002 | | COMPLETE | |
| 20028 | 233 | 10298 | 523 | GRDA | XFR - Claremore 161/69 kV autos 1 and 2 | regional reliability | 11/16/09 | 06/01/09 | 01/27/09 | \$7,200,000 | | 24 months | COMPLETE | In Service, 11/16/09 |
| 20021 | 299 | 10385 | 523 | GRDA | Multi-Kansas Tap - Siloam City 161KV | regional reliability | 06/01/12 | 06/01/12 | 01/16/09 | \$4,212,500 | | 24 months | ON SCHEDULE <4 | |
| 20021 | 299 | 10386 | 523 | GRDA | Multi-Kansas Tap - Siloam City 161KV | regional reliability | 06/01/12 | 06/01/12 | 01/16/09 | \$1,700,000 | | 24 months | ON SCHEDULE <4 | |
| 20001 | 300 | 10387 | 523 | GRDA | Line - Kerr - 412 Sub 161 kV Rebuild | regional reliability | 04/01/09 | 06/01/10 | 02/13/08 | \$950,000 | \$567,063 | 24 months | COMPLETE | In Service, 4/1/09 |
| 20001 | 301 | 10388 | 523 | GRDA | XFR - Sallisaw 161/69 kV Auto #2 | regional reliability | 06/01/10 | 06/01/08 | 02/13/08 | \$3,000,000 | | 24 months | DELAY - MITIGATION | In Service date scheduled, 6/1/10 |
| | 302 | 10389 | 523 | GRDA | Line - Siloam Springs Tap - Siloam City | zonal-sponsored | 06/01/10 | | | \$3,210,200 | | 24 months | ON SCHEDULE <4 | |
| 20001 | 393 | 10511 | 523 | GRDA | XFR - Afton 161/69 kV #2 Addition | regional reliability | 06/01/11 | 06/01/12 | 02/13/08 | \$2,500,000 | | 24 months | ON SCHEDULE <4 | |
| | 302 | 10390 | 523 | GRDA | XFR - Siloam Springs Tap 345/161kV | zonal-sponsored | 12/01/11 | | | \$8,019,000 | | 24 months | ON SCHEDULE <4 | |
| 20040 | 698 | 10927 | 523 | GRDA | Line - Sooner - Cleveland 345 kV | Balanced Portfolio | 12/31/12 | | 06/19/09 | \$1,806,000 | | | ON SCHEDULE <4 | GRDA will complete substation upgrades at Cleveland. OGE will build the entire 345 kV line from Sooner to dead end at Cleveland substation. |
| 20050 | 394 | 10512 | 523 | GRDA | Line - Pensacola - Kerr 115 kV | regional reliability | 06/01/11 | 06/01/11 | 09/18/09 | \$10,450,000 | | 24 months | ON SCHEDULE <4 | Construction during spring, 2010 |
| | 639 | 10840 | 545 | INDN | Line - Blue Valley Plant - Sub M 161 kV | regional reliability - non OATT | 06/01/12 | 10/01/09 | | \$2,625,000 | | 24 months | DELAY - MITIGATION | |
| 20009 | 197 | 10252 | 541 | KCPL | XFR - West Gardner 345/161 kV | regional reliability | 06/01/08 | 06/01/08 | 02/13/08 | \$5,000,000 | \$4,574,216 | 6 months | COMPLETE | |
| 20009 | 198 | 10253 | 541 | KCPL | Line - Antioch - Oxford 161 kV | regional reliability | 12/31/08 | 06/01/08 | 02/13/08 | \$2,500,000 | | | COMPLETE | Project complete; costs not finalized |
| 19967 | 280 | 10364 | 541 | KCPL | Line - College - Craig 161 kV | transmission service | 11/01/09 | 06/01/11 | 05/31/07 | \$1,193,400 | | 24 months | COMPLETE | project completed and in service |
| | 199 | 10254 | 541 | KCPL | Multi - Lackman Sub | zonal-sponsored | 05/29/09 | | | \$138,200 | | 6 months | COMPLETE | Complete; costs not finalized |
| | 199 | 10255 | 541 | KCPL | Multi - Lackman Sub | zonal-sponsored | 05/29/09 | | | | | | COMPLETE | Complete; costs not finalized |
| | 200 | 10256 | 541 | KCPL | Line - Terrace - Westside 161 kV | zonal-sponsored | 09/30/10 | | | \$4,352,600 | | 10 months | ON SCHEDULE <4 | Project delayed by easement issues; estimate 4th quarter 2010 completion |
| | 201 | 10257 | 541 | KCPL | Line - Crosstown - Midtown 161 kV | zonal-sponsored | 03/30/10 | | | \$4,750,000 | | | ON SCHEDULE <4 | Project delayed by easement issues; estimate 1st quarter 2010 completion easement issues resolved |
| | 279 | 10363 | 541 | KCPL | Line - Craig - Lenexa 161 kV | zonal-sponsored | 06/01/10 | | | \$192,000 | | 6 months | ON SCHEDULE <4 | |
| | 626 | 10814 | 541 | KCPL | Multi - Iatan 345/161 kV Sub | zonal-sponsored | 02/28/10 | | | \$8,000,000 | | 24 months | ON SCHEDULE <4 | Project under construction, 86% complete |
| | 377 | 10490 | 541 | KCPL | Line - Paola - Middle Creek 161 kV | zonal-sponsored | 06/01/12 | | | \$2,622,850 | | 18 months | ON SCHEDULE <4 | |
| | 378 | 10491 | 541 | KCPL | Line - North Louisburg - Middle Creek 161 kV | zonal-sponsored | 06/01/12 | | | \$12,179,000 | | 24 months | ON SCHEDULE <4 | TO Zonal/local upgrade. Not for SPP reliability. |
| 20009 | 379 | 10492 | 541 | KCPL | Line - Hillsdale - Cedar Niles 161 kV | zonal reliability | 06/01/15 | 06/01/13 | 02/13/08 | \$5,418,700 | | 24 months | ON SCHEDULE >4 | Delayed 2 year; mitigation not needed. |
| 20009 | 417 | 10543 | 541 | KCPL | Line - Avondale - Gladstone 161 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$13,000 | | 6 months | ON SCHEDULE <4 | |
| 20042 | 702 | 10934 | 541 | KCPL | Tap - Swissvale - Stilwell | Balanced Portfolio | 06/01/12 | | 06/19/09 | \$2,000,000 | | | ON SCHEDULE <4 | |
| 20042 | 703 | 10935 | 541 | KCPL | Line - Iatan - Nashua 345 kV | Balanced Portfolio | 06/01/15 | | 06/19/09 | \$54,444,000 | | | ON SCHEDULE >4 | |
| 20042 | 703 | 10945 | 541 | KCPL | XFR - Nashua 345/161 kV | Balanced Portfolio | 06/01/15 | | 06/19/09 | \$4,620,000 | | | ON SCHEDULE >4 | |
| 20051 | 30218 | 50222 | 541 | KCPL | Line - Redel - Stilwell 161 kV | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$2,200,000 | | 24 months | ON SCHEDULE <4 | budgeted |
| 20032 | 697 | 10914 | 531 | MIDW | Multi: Hutchinson Energy Center - Huntsville - St. John 115 kV Rebuild | regional reliability | 01/00/00 | 06/01/15 | 01/27/09 | \$6,250,000 | | 36 months | ON SCHEDULE >4 | We have only received an NTC for a portion of this overall project. Should it be split up? Other portions of the project are tracked separately. |
| 20046 | 707 | 10940 | 531 | MIDW | Line - Spearville - Wolf 345 kV | Balanced Portfolio | 06/01/13 | | 06/19/09 | \$42,000,000 | | | ON SCHEDULE >4 | Assigned to ITC. |
| 20046 | 707 | 10943 | 531 | MIDW | Line - Wolf - Axtell 345 kV | Balanced Portfolio | 06/01/13 | | 06/19/09 | \$66,000,000 | | | ON SCHEDULE >4 | Assigned to ITC. |
| 20046 | 707 | 10941 | 531 | MIDW | XFR - Wolf 345/230 kV | Balanced Portfolio | 06/01/12 | | 06/19/09 | \$3,000,000 | | | ON SCHEDULE <4 | Assigned to ITC. |
| 20052 | 30219 | 50223 | 531 | MIDW | Line - Ellinwood - Rice County 34.5 kV | transmission service | 06/01/10 | 06/01/10 | 09/18/09 | \$1,812,500 | | | ON SCHEDULE <4 | Modified to N Ellinwood substation per NTC |
| | 605 | 10774 | 640 | NPPD | Multi - North Platt 230/115 kV Transformers | regional reliability | 04/01/07 | 06/01/09 | | \$5,000,000 | | | COMPLETE | Complete - In-Service |
| | 605 | 10775 | 640 | NPPD | Multi - North Platt 230/115 kV Transformers | regional reliability | 06/01/10 | 06/01/09 | | | | | DELAY - MITIGATION | generation is reduced while generation at N.Platte, Jeffrey, Johnson and Canaday is increased. |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments | |
|---------|-----|-------|------|---------------|---|----------------------|---|--------------------------|--|-----------------------|-------------|-------------------|--------------------|--|--|
| | 606 | 10776 | 640 | NPPD | Multi - ETR Project | regional reliability | 06/01/08 | 06/01/10 | | \$170,330,000 | | | COMPLETE | Conversion of Hoskins - Shell Creek 230 kV to 345 kV is complete. Shell Creek - Columbus East 345 kV line and Columbus East 345/115 kV Transformer is complete. | |
| | 606 | 10777 | 640 | NPPD | Multi - ETR Project | regional reliability | 04/01/10 | 06/01/10 | | | | | | ON SCHEDULE <4 | Columbus East - NW 68th & Holdrege 345 kV line and substation work is on schedule. |
| | 603 | 10772 | 640 | NPPD | Line - NPPD / WERE - Steele City - Kansas Border 115 kV | regional reliability | 10/01/10 | 06/01/09 | | \$3,000,000 | | 48 months | DELAY - MITIGATION | Coordinated with WERE on Knob Hill - State Line | |
| | 604 | 10773 | 640 | NPPD | Grand Island 345/230 kV Transformer | regional reliability | 07/01/09 | 07/01/09 | | \$6,950,971 | | | COMPLETE | Complete - In-Service | |
| | 607 | 10778 | 640 | NPPD | Bloomfield Wind Generation Interconnection, Delivery & Facilities | regional reliability | 03/01/09 | 03/01/09 | | \$5,500,000 | | | COMPLETE | Complete - In-Service | |
| | 629 | 10817 | 640 | NPPD | Twin Church / South Sioux City Area | regional reliability | 06/01/12 | 06/01/12 | | \$33,000,000 | | | ON SCHEDULE <4 | Delayed due to customer load delay, cost increase due to line routing issues. JH - Need date changed to come in line with previous Nebraska planning. | |
| | 630 | 10818 | 640 | NPPD | Upgrade Jeffrey - Gothenburg 115kV line | regional reliability | 06/01/09 | 06/01/10 | | \$800,000 | | | COMPLETE | Complete - In-Service | |
| 20047 | 708 | 10942 | 640 | NPPD | Line - Knoll - Axtell | Balanced Portfolio | 06/01/13 | | 06/19/09 | \$76,000,000 | | | ON SCHEDULE >4 | | |
| 20002 | 131 | 10165 | 524 | OGE | Line - Canadian - Cedar Lane 138 kV | regional reliability | 06/01/08 | 06/01/08 | 02/13/08 | \$12,637 | \$31,127 | | COMPLETE | | |
| 20002 | 124 | 10157 | 524 | OGE | Line - Fort Smith - Colony 161 kV | regional reliability | 11/01/08 | 06/01/09 | 02/13/08 | \$133,000 | \$86,875 | | COMPLETE | Replace 1200A terminal Equipment at Ft. Smith & Colony | |
| 19995-1 | 127 | 10160 | 524 | OGE | Line - Westmoore - Pennsylvania 138 kV | zonal reliability | 12/30/08 | 10/01/07 | 03/07/07 | \$250,000 | \$170,751 | | COMPLETE | | |
| 19996 | 52 | 10070 | 524 | OGE | Line - Stillwater - McElroy 138 kV | regional reliability | 02/27/09 | 05/31/08 | 02/01/07 | \$1,758,527 | \$2,067,530 | 18 months | COMPLETE | | |
| 20029 | 583 | 10749 | 524 | OGE | Multi VBI-Adabell 161 kV | regional reliability | 03/31/12 | 06/01/12 | 01/27/09 | \$4,972,000 | | 12 months | ON SCHEDULE <4 | | |
| 19960 | 234 | 10299 | 524 | OGE | Line - Explorer Glenpool - Beeline 138 kV Ckt 1 | transmission service | 06/01/09 | 06/01/09 | 07/21/06 | \$200,000 | \$310,000 | | COMPLETE | 3.3% BPF. Remainder of RR paid by PTP base rate | |
| 20002 | 236 | 10301 | 524 | OGE | Line - Alva - Knobhill 69 kV | regional reliability | 06/01/09 | 06/01/09 | 02/13/08 | \$35,000 | \$26,000 | 6 months | COMPLETE | | |
| 19960 | 237 | 10302 | 524 | OGE | Line - Explorer Glenpool - Riverside Station 138 kV Ckt 1 | transmission service | 06/01/09 | 06/01/09 | 07/21/06 | \$400,000 | \$660,000 | | COMPLETE | 3.3% BPF. Remainder of RR paid by PTP base rate | |
| 20029 | 584 | 10751 | 524 | OGE | Line-Cleo Corner-Cleo Jct 69 kV | regional reliability | 12/01/09 | 12/01/09 | 01/27/09 | \$17,054 | | 6 months | COMPLETE | Project may not be required due to change in modeled load. | |
| | 126 | 10159 | 524 | OGE | Line - Maud - Seminole 138kV | zonal-sponsored | 05/01/09 | | | \$326,346 | \$240,000 | | COMPLETE | An SPP Flowgate. | |
| | 67 | 10085 | 524 | OGE | Line - Igo - Razorback 69 kV | zonal-sponsored | 06/25/09 | | | \$5,939,246 | \$8,096,000 | | COMPLETE | Complete. All charges have not yet been credited to project. | |
| | 123 | 10153 | 524 | OGE | Multi - Earlywine | zonal-sponsored | 06/01/09 | | | \$12,900,000 | \$9,500,000 | | COMPLETE | | |
| | 123 | 10154 | 524 | OGE | Multi - Earlywine | zonal-sponsored | 06/01/09 | | | | | | | COMPLETE | |
| | 123 | 10155 | 524 | OGE | Multi - Earlywine | zonal-sponsored | 06/01/09 | | | | | | | COMPLETE | |
| | 123 | 10156 | 524 | OGE | Multi - Earlywine | zonal-sponsored | 06/01/09 | | | | | | | COMPLETE | |
| | 582 | 10747 | 524 | OGE | Multi - Round Barn | zonal-sponsored | 06/01/11 | | | \$1,900,000 | | | ON SCHEDULE <4 | Project delayed due to lower load growth | |
| | 582 | 10748 | 524 | OGE | Multi - Round Barn | zonal-sponsored | 06/01/11 | | | | | | ON SCHEDULE <4 | Project delayed due to lower load growth | |
| | 56 | 10074 | 524 | OGE | Line - Chitwood - Garber 138 kV | zonal-sponsored | 11/01/09 | | | \$5,920,226 | | | COMPLETE | Presently under construction. Scheduled to be complete 11/1/2009 | |
| | 304 | 10731 | 524 | OGE | Multi - Johnson County Project | zonal-sponsored | 06/01/11 | | | \$32,975,000 | | | ON SCHEDULE <4 | Multi-upgrade project for new arc furnace near Arbutuckle (on upgrade in device tab - Cap bank at Madill) | |
| | 304 | 10732 | 524 | OGE | Multi - Johnson County Project | zonal-sponsored | 06/01/11 | | | | | | ON SCHEDULE <4 | | |
| | 304 | 10733 | 524 | OGE | Multi - Johnson County Project | zonal-sponsored | 06/01/11 | | | | | | ON SCHEDULE <4 | | |
| | 304 | 10734 | 524 | OGE | Multi - Johnson County Project | zonal-sponsored | 06/01/11 | | | | | | ON SCHEDULE <4 | | |
| | 304 | 10735 | 524 | OGE | Multi - Johnson County Project | zonal-sponsored | 06/01/11 | | | | | | ON SCHEDULE <4 | | |
| | 304 | 10736 | 524 | OGE | Multi - Johnson County Project | zonal-sponsored | 12/01/10 | | | | | | ON SCHEDULE <4 | | |
| | 304 | 10737 | 524 | OGE | Multi - Johnson County Project | zonal-sponsored | 06/01/10 | | | | | | ON SCHEDULE <4 | | |
| 20029 | 615 | 10792 | 524 | OGE | Multi: Dover-Twin Lake-Crescent-Cottonwood conversion 138 kV | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$1,074,000 | | 18 months | DELAY - MITIGATION | Project delayed. WFEC unable to completed their portion of project on schedule. OG&E cannot start transmission line conversion until WFEC is complete with their line. MITIGATION: Transfer all OG&E's Turkey Creek load to OG&E's Hennessey 138-12.5 kV Substation. This eliminates the need to address the voltage drop for the loss of the WFEC Dover auto-transformer. | |
| 20029 | 615 | 10793 | 524 | OGE | Multi: Dover-Twin Lake-Crescent-Cottonwood conversion 138 kV | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$4,330,250 | | 18 months | DELAY - MITIGATION | Project delayed. WFEC unable to completed their portion of project on schedule. OG&E cannot start transmission line conversion until WFEC is complete with their line. MITIGATION: Transfer all OG&E's Turkey Creek load to OG&E's Hennessey 138-12.5 kV Substation. This eliminates the need to address the voltage drop for the loss of the WFEC Dover auto-transformer. | |
| 20022 | 614 | 10787 | 524 | OGE | Multi- Northwest-Woodward 345 kV | sponsored | 03/30/10 | | 02/02/09 | | | | ON SCHEDULE <4 | | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments | |
|--------|-------|-------|------|---------------|--|----------------------|---|--------------------------|--|-----------------------|------------|-------------------|--------------------|--|--|
| 20022 | 614 | 10915 | 524 | OGE | Multi- Northwest-Woodward 345 kV | sponsored | 03/30/10 | | 02/02/09 | \$218,000,000 | | | ON SCHEDULE <4 | | |
| 20022 | 614 | 10788 | 524 | OGE | Multi- Northwest-Woodward 345 kV | sponsored | 03/30/10 | | 02/02/09 | | | | ON SCHEDULE <4 | | |
| 20022 | 614 | 10789 | 524 | OGE | Multi- Northwest-Woodward 345 kV | sponsored | 03/30/10 | | 02/02/09 | | | | ON SCHEDULE <4 | Project to complete on schedule | |
| 20022 | 614 | 10790 | 524 | OGE | Multi- Northwest-Woodward 345 kV | sponsored | 03/30/10 | | 02/02/09 | | | | ON SCHEDULE <4 | | |
| 20022 | 614 | 10791 | 524 | OGE | Multi- Northwest-Woodward 345 kV | sponsored | 03/30/10 | | 02/02/09 | | | | ON SCHEDULE <4 | | |
| 20022 | 614 | 10913 | 524 | OGE | Multi- Northwest-Woodward 345 kV | sponsored | 03/30/10 | | 02/02/09 | | | | ON SCHEDULE <4 | | |
| | 310 | 10391 | 524 | OGE | Line - Fitzhugh - Helberg 161 kV | zonal-sponsored | 06/01/10 | | | \$1,416,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10392 | 524 | OGE | Line - Great Lakes Carbon - Altus 161 kV | zonal-sponsored | 03/31/11 | | | \$543,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10393 | 524 | OGE | Line - Altus - Fitzhugh 161 kV | zonal-sponsored | 12/31/10 | | | \$660,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10394 | 524 | OGE | Line - Igo - Noark 161 kV | zonal-sponsored | 03/31/11 | | | \$2,994,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10395 | 524 | OGE | Line - Little Spadra - Igo 161 kV | zonal-sponsored | 06/01/10 | | | \$2,112,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10396 | 524 | OGE | Line - Noark - Great Lakes Carbon 161 kV | zonal-sponsored | 03/31/11 | | | \$522,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10398 | 524 | OGE | Line - Razorback - Igo 161 kV | zonal-sponsored | 10/01/10 | | | \$2,973,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10399 | 524 | OGE | Line - Razorback - Short Mountain 161 kV | zonal-sponsored | 06/01/10 | | | \$500,000 | | | | ON SCHEDULE <4 | |
| | 310 | 10400 | 524 | OGE | Line - Short Mountain - Branch 161 kV | zonal-sponsored | 10/01/10 | | | \$3,231,000 | | | | ON SCHEDULE <4 | |
| 20029 | 354 | 10463 | 524 | OGE | Line - Muldrow to 3rd St. 69 kV | regional reliability | 06/01/10 | 06/01/09 | 01/27/09 | \$100,000 | | 12 months | DELAY - MITIGATION | NTC date changed back original date to 6/1/2011 due to change in load. Area factory being closed. Project status needs to be changed to "Green" | |
| 20017 | 30158 | 50166 | 524 | OGE | Line - ARDMORE - ROCKY POINT 69KV CKT 1 | transmission service | 06/01/11 | 06/01/11 | 01/16/09 | \$1,400,000 | | 24 months | ON SCHEDULE <4 | Full BPF | |
| 20017 | 30162 | 50170 | 524 | OGE | Line - SUNNYSIDE - UNIROYAL 138KV CKT 1 | transmission service | 06/01/11 | 06/01/11 | 01/16/09 | \$50,000 | | 12 months | ON SCHEDULE <4 | | |
| 20017 | 30159 | 50167 | 524 | OGE | Line - DILLARD4 - HEALDTON TAP 138KV CKT 1 | transmission service | 06/01/11 | 06/01/11 | 01/16/09 | \$300,000 | | 12 months | ON SCHEDULE <4 | Full BPF | |
| 20017 | 30161 | 50169 | 524 | OGE | Line - HUGO - SUNNYSIDE 345KV OKGE | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$200,000,000 | | 42 months | ON SCHEDULE <4 | Full BPF | |
| 20017 | 30163 | 50171 | 524 | OGE | XFR - SUNNYSIDE (SUNNYSID3) 345/138/13.8KV TRANSFORMER CKT 1 | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$10,000,000 | | 24 months | ON SCHEDULE <4 | Full BPF | |
| 20002 | 395 | 10513 | 524 | OGE | Line - OGE Russett - WFEC Russett 138kV | regional reliability | 06/01/10 | 12/01/12 | 02/13/08 | \$347,073 | | 12 months | ON SCHEDULE <4 | An SPP Flowgate | |
| 20002 | 396 | 10514 | 524 | OGE | Breaker - Bodle 138 kV | regional reliability | 10/01/11 | 06/01/12 | 02/13/08 | \$1,000,000 | | 12 months | ON SCHEDULE <4 | Cost to install breaker plus relays at Bodle and replace relays at Caney Creek & OGE Brown. Project also needed with the Johnston County EHV project | |
| 20002 | 397 | 10515 | 524 | OGE | Multi - Mustang - Cimarron 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$6,850,000 | | 24 months | ON SCHEDULE <4 | Project will be replaced pending an Out of Cycle review of Cimarron - Haymaker - Project may be eliminated pending a study review by SPP SPP documentation shows NTC | |
| 20002 | 397 | 10516 | 524 | OGE | Multi - Mustang - Cimarron 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$3,500,000 | | 24 months | ON SCHEDULE <4 | Project will be replaced pending an Out of Cycle review of Cimarron - Haymaker - Project may be eliminated pending a study review by SPP SPP documentation shows NTC | |
| 20055 | 523 | 10668 | 524 | OGE | Line - Rose Hill - Sooner 345 kV | regional reliability | 06/01/12 | 06/01/12 | 09/18/09 | \$71,000,000 | | 42 months | ON SCHEDULE <4 | Right-of-way being secured | |
| | 551 | 10837 | 524 | OGE | Multi-3rd-Massard convert 69-161kV | regional reliability | 06/01/12 | 06/01/17 | | \$6,200,000 | | 24 months | ON SCHEDULE >4 | Replaced Jonshon to 3rd Street tap with Johnson to Oak Park 161 kV | |
| | 551 | 10701 | 524 | OGE | Multi-3rd-Massard convert 69-161kV | regional reliability | 06/01/12 | 06/01/17 | | | | 24 months | ON SCHEDULE >4 | Replaced Jonshon to 3rd Street tap with Johnson to Oak Park 161 kV | |
| 20029 | 642 | 10843 | 524 | OGE | Line Kilgore - VBI 69 kV | regional reliability | 06/01/13 | 06/01/13 | 01/27/09 | \$10,000 | | 9 months | ON SCHEDULE >4 | | |
| 20002 | 518 | 10663 | 524 | OGE | Line - HSL East - HSL West 69 kV | regional reliability | 06/01/16 | 06/01/16 | 02/13/08 | \$250,000 | | 12 months | ON SCHEDULE >4 | | |
| 20017 | 30160 | 50168 | 524 | OGE | XFR - FT SMITH 500 (FTSMITH3) 500/161/13.8KV TRANSFORMER CKT 3 | transmission service | 06/01/17 | 06/01/17 | 01/16/09 | \$11,000,000 | | 32 months | ON SCHEDULE >4 | Full BPF | |
| 20017 | 30164 | 50172 | 524 | OGE | Line - VBI - VBI NORTH 69KV CKT 1 | transmission service | 06/01/17 | 06/01/17 | 01/16/09 | \$100,000 | | 9 months | ON SCHEDULE >4 | Full BPF | |
| 20041 | 699 | 10929 | 524 | OGE | Line - Sooner - Cleveland 345 kV | Balanced Portfolio | 12/31/12 | | 06/19/09 | \$69,000,000 | | 32 months | ON SCHEDULE <4 | GRDA will complete substation upgrades at Cleveland. OGE will build the entire 345 kV line from Sooner to dead end at Cleveland substation. | |
| 20041 | 700 | 10930 | 524 | OGE | Line - Seminole - Muskogee 345 kV | Balanced Portfolio | 12/31/13 | | 06/19/09 | \$131,000,000 | | 40 months | ON SCHEDULE >4 | | |
| 20041 | 700 | 10931 | 524 | OGE | XFR - Seminole 345/138 kV | Balanced Portfolio | 12/31/13 | | 06/19/09 | \$4,000,000 | | 22 months | ON SCHEDULE >4 | OGE SPP & OG&E agreed third 345/138 kV bus tie not needed. | |
| 20041 | 701 | 10932 | 524 | OGE | Line - Tuco - Woodward 345 kV line | Balanced Portfolio | 05/19/14 | | 06/19/09 | \$105,000,000 | | 40 months | ON SCHEDULE >4 | | |
| 20041 | 701 | 10933 | 524 | OGE | XFR - Woodward 345 kV and a 50 MVAR reactor bank | Balanced Portfolio | 05/19/14 | | 06/19/09 | \$15,000,000 | | 24 months | ON SCHEDULE >4 | | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments | |
|--------|-------|-------|------|---------------|---|----------------------|---|--------------------------|--|-----------------------|-------------|-------------------|--------------------|---|--|
| 20041 | 709 | 10946 | 524 | OGE | Sub - Gracemont | Balanced Portfolio | 12/31/11 | | 06/19/09 | \$15,000,000 | | 24 months | ON SCHEDULE <4 | Anadarko 345 kV substation renamed to Gracemont | |
| | 595 | 10762 | 527 | OMPA | Line - Ompvet - Ompark - 4 138 kV | zonal-sponsored | 07/02/09 | | | \$1,946,000 | | | COMPLETE | Complete - in service | |
| | 596 | 10763 | 527 | OMPA | Line - Ompvet - OmAltus - 4 138 kV | zonal-sponsored | 06/05/09 | | | \$1,094,000 | | | COMPLETE | Complete - in service | |
| | 597 | 10764 | 527 | OMPA | Line - Altus Junction Ompark - 4 138 kV | zonal-sponsored | 06/25/09 | | | \$1,174,552 | | | COMPLETE | Complete - in service | |
| | 598 | 10765 | 527 | OMPA | Line-Tamarack Tap-OmAltus-4 138 kV | zonal-sponsored | 07/21/09 | | | \$586,250 | | | COMPLETE | Complete - in service | |
| | 608 | 10779 | 645 | OPPD | Build New 161 kV Substation Sub 1305 | regional reliability | 05/22/09 | 12/01/09 | | \$21,600,000 | | | COMPLETE | | |
| | 608 | 10919 | 645 | OPPD | Line - Sub 1251 - Sub 1305 161 kV | regional reliability | 05/22/09 | 12/01/09 | | | | | | COMPLETE | |
| | 608 | 10920 | 645 | OPPD | Line - Sub 1298 - Sub 1305 161 kV | regional reliability | 05/22/09 | 12/01/09 | | | | | | COMPLETE | |
| | 608 | 10921 | 645 | OPPD | Line - Sub 1251 - Sub 1298 161 kV | regional reliability | 05/22/09 | 12/01/09 | | | | | | COMPLETE | |
| | 608 | 10922 | 645 | OPPD | Line - Sub 1226 - Sub 1298 161 kV | regional reliability | 05/22/09 | 12/01/09 | | | | | | COMPLETE | |
| | 809 | 11063 | 645 | OPPD | Line - Rebuild Sub 1209 - Sub 1252 161 kV | zonal-sponsored | 04/01/10 | | | | \$3,449,250 | | | ON SCHEDULE <4 | The purpose of this project is to address maintenance-related issues, not to address violations of reliability criteria. |
| | 758 | 11001 | 645 | OPPD | Line - Rebuild Sub 902 - Sub 983 69 kV | zonal-sponsored | 04/01/10 | | | \$2,500,000 | | | ON SCHEDULE <4 | The purpose of this project is to address maintenance-related issues, not to address violations of reliability criteria. | |
| | 609 | 10924 | 645 | OPPD | Build New 161 kV Substation Sub 1341 | regional reliability | 12/31/11 | 04/01/12 | | \$16,300,000 | | | ON SCHEDULE <4 | | |
| | 609 | 10925 | 645 | OPPD | Line - Sub 1251 - Sub 1341 161kV | regional reliability | 12/31/11 | 04/01/12 | | | | | | ON SCHEDULE <4 | |
| | 609 | 10926 | 645 | OPPD | Line - Sub 1341 - Sub 1305 161kV | regional reliability | 12/31/11 | 04/01/12 | | | | | | ON SCHEDULE <4 | |
| | 759 | 11002 | 645 | OPPD | Line - Sub 1221 - Sub 1255 161kV | | 11/10/12 | | | | \$565,000 | | | ON SCHEDULE <4 | |
| 20007 | 164 | 10213 | 534 | SEPC | Line - WEPL Cimarron Plant - North Cimarron 115 kV | regional reliability | 03/01/10 | 06/01/08 | 02/13/08 | \$1,350,000 | | | DELAY - MITIGATION | Construction is in progress. Mitigation is to request SPS to adjust the Texas Co Phase Shifter, and adjust generation on the Holcomb and Fort Dodge Plants. | |
| 20007 | 166 | 10215 | 534 | SEPC | Line - Holcomb - Plymell 115 kV | regional reliability | 10/31/10 | 06/01/08 | 02/13/08 | \$3,650,000 | | 18 months | DELAY - MITIGATION | Review of the Line design is in progress, and material procurement is in progress. Mitigation is to reduce generation in area 534 and increase in area 539 as needed to relieve overload. | |
| 20014 | 367 | 10480 | 534 | SEPC | Line - Plymell - Pioneer Tap 115 kV | regional reliability | 10/31/10 | 06/01/09 | 09/18/08 | \$3,200,000 | | 24 months | DELAY - MITIGATION | Review of the Line design is in progress, and material procurement is in progress. Mitigation is to reduce generation in area 534 and increase in area 539 as needed to relieve overload. | |
| | 165 | 10214 | 534 | SEPC | Line - Phillipsburg - Rhoades 115 kV Ckt 1 | zonal-sponsored | 06/01/10 | | | \$10,500,000 | | | ON SCHEDULE <4 | Construction is in progress. | |
| 20045 | 706 | 10939 | 534 | SEPC | Line - Spearville - Wolf 345 kV | Balanced Portfolio | 06/01/12 | | 06/19/09 | \$54,000,000 | | | ON SCHEDULE <4 | | |
| 20056 | 30223 | 50227 | 540 | SJLP | Line - Cook - St Joe 161 kV | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$4,400,000 | | 18 months | ON SCHEDULE <4 | KCPL will propose alternative project; Eastowne 345/161kV substation | |
| 19987 | 76 | 10096 | 526 | SPS | XFR - Terry Co 115/69 kV | regional reliability | 11/01/07 | 06/01/07 | 02/02/07 | \$2,375,000 | \$2,145,926 | | COMPLETE | | |
| 19987 | 76 | 10097 | 526 | SPS | | regional reliability | 10/24/08 | 06/01/07 | 02/02/07 | | | 18 months | COMPLETE | | |
| 20004 | 159 | 10206 | 526 | SPS | Line - Plant X Station - Tolk Station West 230 kV | regional reliability | 12/31/09 | 04/01/09 | 02/13/08 | \$56,000 | | 6 months | DELAY - MITIGATION | Only mitigation would depend on manual switching so this project needs to be done instead. SPP STEP study results indicate this terminal upgrade is needed before the 2017 summer peak without any overload occurrences in any of the models before then. | |
| 20004 | 246 | 10314 | 526 | SPS | Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV | regional reliability | 12/31/09 | 06/01/09 | 02/13/08 | \$5,000 | | 6 months | DELAY - MITIGATION | SPP STEP study results indicate this terminal upgrade is needed before the 2017 summer peak without any overload occurrences in any of the models before then. | |
| 20004 | 246 | 10315 | 526 | SPS | Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV | regional reliability | 12/31/09 | 06/01/09 | 02/13/08 | | | | 6 months | DELAY - MITIGATION | SPP STEP study results indicate this terminal upgrade is needed before the 2017 summer peak without any overload occurrences in any of the models before then. |
| 19987 | 162 | 10210 | 526 | SPS | XFR - Lubbock East 115/69 kV #1 | regional reliability | 09/04/09 | 06/01/07 | 02/02/07 | \$1,300,000 | \$1,206,336 | 18 months | COMPLETE | First Transformer placed in-service on September 4, 2009 | |
| 19987 | 162 | 10211 | 526 | SPS | XFR - Lubbock East 115/69 kV #2 | regional reliability | 11/20/09 | 06/01/07 | 02/02/07 | \$1,300,000 | \$1,206,336 | 18 months | COMPLETE | Mitigation Plan verified by SPP staff. Projected in-service date is 11/6/2009. Both upgrades are complete as of 11/20/2009. | |
| 20031 | 590 | 10757 | 526 | SPS | Line - Ocotillo sub conversion 115 kV | regional reliability | 06/01/11 | 06/01/09 | 01/27/09 | \$1,222,843 | | 24 months | DELAY - MITIGATION | overload of the Carlsbad 115/69 kV transformer for the outage of the parallel transformer, start the Carlsbad GT. Shed load to mitigate overload while Carlsbad generation brought on | |
| 20004 | 249 | 10320 | 526 | SPS | Multi - Seven Rivers - Pecos - Potash 230 kV | regional reliability | 06/12/09 | 06/01/09 | 02/13/08 | \$15,891,640 | \$5,199,326 | 30 months | COMPLETE | | |
| 20004 | 249 | 10321 | 526 | SPS | Multi - Seven Rivers - Pecos - Potash 230 kV | regional reliability | 06/12/09 | 06/01/09 | 02/13/08 | | | \$4,773,698 | 30 months | COMPLETE | |
| 20004 | 249 | 10322 | 526 | SPS | Multi - Seven Rivers - Pecos - Potash 230 kV | regional reliability | 06/12/09 | 06/01/09 | 02/13/08 | | | \$7,750,847 | 30 months | COMPLETE | |
| 19987 | 250 | 10323 | 526 | SPS | XFR - Cochran 115/69 kV | regional reliability | 06/01/10 | 06/01/08 | 02/02/07 | \$2,750,000 | | 18months | DELAY - MITIGATION | Mitigation Plan verified by SPP staff. Outage restrictions until winter 2009 | |
| 19987 | 250 | 10324 | 526 | SPS | | regional reliability | 06/01/10 | 06/01/08 | 02/02/07 | | | | 18 months | DELAY - MITIGATION | |
| 20004 | 146 | 10185 | 526 | SPS | Multi - Seminole - Hobbs Project 230 kV | regional reliability | 06/26/09 | 06/01/08 | 02/13/08 | \$8,762,733 | | 36 months | COMPLETE | 230 kV line from Mustang to Seminole was placed in-service on 6/26 2009. | |
| 20004 | 146 | 10187 | 526 | SPS | Multi - Seminole - Hobbs Project 230 kV | regional reliability | 07/17/09 | 06/01/08 | 02/13/08 | \$7,715,262 | | 24 months | COMPLETE | First transformer was placed in service on 7/17/2009. | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-----|-------|------|---------------|--|----------------------|---|--------------------------|--|-----------------------|-------------|--------------------|--|---|
| 20004 | 146 | 10188 | 526 | SPS | Multi - Seminole - Hobbs Project 230 kV | regional reliability | 12/31/09 | 06/01/08 | 02/13/08 | | | 24 months | DELAY - MITIGATION | This delays the need for the project until 6/1/2012. Second 230/115 kV - 150 MVA is expected to be in-service by 12/31/2009. |
| 20004 | 146 | 10189 | 526 | SPS | Multi - Seminole - Hobbs Project 230 kV | regional reliability | 10/16/09 | 06/01/08 | 02/13/08 | \$3,891,288 | | 24 months | DELAY - MITIGATION | Projected in service date is 10/16/2009 |
| 20004 | 146 | 10190 | 526 | SPS | Multi - Seminole - Hobbs Project 230 kV | regional reliability | 10/16/09 | 06/01/08 | 02/13/08 | | | 24 months | DELAY - MITIGATION | Projected in service date is 10/16/2009 |
| 20004 | 146 | 10186 | 526 | SPS | Multi - Seminole - Hobbs Project 230 kV | regional reliability | 06/01/15 | 06/01/08 | 02/13/08 | \$8,920,699 | | 48 months | DELAY - MITIGATION | load has been greatly lowered, reducing need for line. Project will be accelerated, if load projections show need. |
| 20031 | 252 | 10332 | 526 | SPS | XFR - Yoakum County Interchange 230/115 kV | regional reliability | 10/16/09 | 06/01/09 | 01/27/09 | \$802,084 | \$1,375,253 | 24 months | COMPLETE | Projected in service date is 10/16/2009 |
| 20004 | 155 | 10199 | 526 | SPS | XFR - Nichols 230/115 kV | regional reliability | 11/20/09 | 06/01/11 | 02/13/08 | \$6,000,000 | \$6,475,520 | 24 months | COMPLETE | Both transformers in service 11/20/2009. |
| 19987 | 157 | 10202 | 526 | SPS | XFR - Hale Co 115/69 kV | regional reliability | 06/01/10 | 06/01/07 | 02/02/07 | \$2,900,000 | | 18 months | DELAY - MITIGATION | Mitigation Plan verified by SPP staff. Per project tracking info in this project list, these projects should be complete by 12/31/2009. |
| 19987 | 157 | 10203 | 526 | SPS | | regional reliability | 06/01/10 | 06/01/07 | 02/02/07 | | 18 months | DELAY - MITIGATION | | |
| | 591 | 10758 | 526 | SPS | Line Roz3 - Amerada Hess Co2 115 kV | zonal-sponsored | 10/16/09 | | | | \$1,089,208 | | COMPLETE | Projected in service date is 10/16/2009 |
| | 592 | 10759 | 526 | SPS | Line - Roz3 - Seminole 115 kV | zonal-sponsored | 10/16/09 | | | | \$624,101 | | COMPLETE | Projected in service date is 10/16/2009 |
| | 593 | 10760 | 526 | SPS | Line - Denver City - seminole 115 kV | zonal-sponsored | 07/17/09 | | | | \$294,474 | | COMPLETE | Placed in service on 7/17/2009 |
| | 594 | 10761 | 526 | SPS | Line - Seminole - Doss Interchange 115 kV | zonal-sponsored | 07/31/09 | | | | \$1,523,183 | | COMPLETE | Placed in service on 7/31/2009 |
| 20060 | 80 | 10103 | 526 | SPS | XFR - Roswell Interchange 115/69 kV #2 | regional reliability | 01/01/09 | 10/01/09 | 08/31/09 | \$1,375,000 | \$732,351 | | COMPLETE | |
| 20031 | 144 | 10183 | 526 | SPS | Line - Curry County - North Clovis Conversion | regional reliability | 06/01/10 | 06/01/10 | 01/27/09 | \$200,000 | | 24 months | ON SCHEDULE <4 | Approved in 2008 budget. Replacement for upgrade of Curry autos. Requires changeout of 69 kV dist transformer to 115 kV. No mitigation needed if built by 6/1/10. |
| 20004 | 248 | 10317 | 526 | SPS | Multi - Wheeler County Project - Tap 230 kV line - Two new XFs - new 115 kV line | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$10,585,000 | | 30 months | DELAY - MITIGATION | The earliest that any portion of the Wheeler County Interchange project can be in-service will be 6/1/2010. NTC should be modified to show the tap of the 230 kV line. |
| 20004 | 248 | 10318 | 526 | SPS | | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | | 30 months | DELAY - MITIGATION | The earliest that any portion of the Wheeler County Interchange project can be in-service will be 6/1/2010. NTC should be modified to show the tap of the 230 kV line. | |
| 20004 | 248 | 10319 | 526 | SPS | | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | | 30 months | DELAY - MITIGATION | The earliest that any portion of the Wheeler County Interchange project can be in-service will be 6/1/2010. NTC should be modified to show the tap of the 230 kV line. | |
| 20031 | 156 | 10326 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 12/31/10 | 06/01/10 | 01/27/09 | \$16,094,371 | | 48 months | DELAY - MITIGATION | of 2009. Interim Mitigations: Same as provided last year with load shed being the greatest measure of mitigating low voltages and overloads for the worst contingencies. Hitchland to |
| 20004 | 156 | 10327 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 06/01/10 | 04/01/09 | 02/13/08 | \$12,577,500 | | 24 months | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. Add 345/230 kV - 560 MVA transformer at Hitchland. |
| 20004 | 156 | 10328 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$15,848,000 | | 48 months | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. 115 kV from Hitchland to Sherman Tap. |
| 20004 | 156 | 10329 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$10,771,825 | | 48 months | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. Dallam to Sherman 115 kv project. |
| 20004 | 156 | 10330 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 06/01/11 | 06/01/09 | 02/13/08 | \$10,766,250 | | 48 months | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. Hitchland to Ochiltree 230 kV project. |
| 20004 | 156 | 10331 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 06/01/11 | 06/01/09 | 02/13/08 | \$5,846,295 | | 24 months | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. Ochiltree Sub 230/115 kV transformer. |
| 20004 | 156 | 10200 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 06/01/10 | 06/01/08 | 02/13/08 | \$5,132,829 | | 24 months | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. Hitchland to Texas Co. 115 kv cutin. |
| 20004 | 156 | 10201 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$31,915,701 | | 24 months | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. |
| 20004 | 156 | 10325 | 526 | SPS | Multi - Hitchland - Texas Co. 230 kV and 115 kV | zonal-sponsored | 06/01/11 | | 02/13/08 | \$11,922,643 | | | DELAY - MITIGATION | This large project is underway and portions of this project will be complete after the Summer of 2009. Hitchland to Pringle 230 kV transmission project. |
| 20031 | 554 | 10704 | 526 | SPS | Multi - Dallam - Channing - Tascosa - Northwest Lines | regional reliability | 12/31/10 | 06/01/09 | 01/27/09 | | | 30 months | DELAY - MITIGATION | Interim Mitigations: Currently there is no backup for the 69 kV service at Channing and Tascosa. Any contingency on this radial line will remove load from the system. Therefore, no |
| 20031 | 554 | 10705 | 526 | SPS | Multi - Dallam - Channing - Tascosa - Northwest lines | regional reliability | 12/31/10 | 06/01/09 | 01/27/09 | \$27,452,677 | | 30 months | DELAY - MITIGATION | Interim Mitigations: Currently there is no backup for the 69 kV service at Channing and Tascosa. Any contingency on this radial line will remove load from the system. Therefore, no |
| 20031 | 554 | 10706 | 526 | SPS | Multi - Dallam - Channing - Tascosa - Northwest lines | regional reliability | 12/31/10 | 06/01/09 | 01/27/09 | | | 30 months | DELAY - MITIGATION | Interim Mitigations: Currently there is no backup for the 69 kV service at Channing and Tascosa. Any contingency on this radial line will remove load from the system. Therefore, no |
| | 315 | 10407 | 526 | SPS | Line - Roosevelt County Interchange 115 kV - Curry County Interchange 115 kV | regional reliability | 06/01/10 | 06/01/15 | | \$200,000 | | 6 months | ON SCHEDULE <4 | Will need additional study |
| 20031 | 632 | 10822 | 526 | SPS | Multi: Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines | regional reliability | 06/01/11 | 06/01/09 | 01/27/09 | \$3,937,500 | | 24 months | DELAY - MITIGATION | the overload of one Gaines County 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 7857 [527349 - 527339], and |
| 20031 | 632 | 10823 | 526 | SPS | Multi: Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines | regional reliability | 06/01/11 | 06/01/09 | 01/27/09 | \$3,375,000 | | 24 months | DELAY - MITIGATION | the overload of one Gaines County 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 7857 [527349 - 527339], and |
| 20031 | 632 | 10824 | 526 | SPS | Multi: Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines | regional reliability | 06/01/11 | 06/01/09 | 01/27/09 | \$3,093,750 | | 24 months | DELAY - MITIGATION | the overload of one Gaines County 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 7857 [527349 - 527339], and |
| 20031 | 633 | 10825 | 526 | SPS | Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines | regional reliability | 04/15/11 | 06/01/09 | 01/27/09 | \$3,285,000 | | 36 months | DELAY - MITIGATION | outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768]. |
| 20031 | 633 | 10826 | 526 | SPS | Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines | regional reliability | 04/15/11 | 06/01/09 | 01/27/09 | \$281,250 | | 36 months | DELAY - MITIGATION | outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768]. |
| 20031 | 633 | 10827 | 526 | SPS | Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines | regional reliability | 04/15/11 | 06/01/09 | 01/27/09 | \$281,250 | | 36 months | DELAY - MITIGATION | outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768]. |
| 20031 | 633 | 10828 | 526 | SPS | Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines | regional reliability | 04/15/11 | 06/01/09 | 01/27/09 | \$1,350,000 | | 36 months | DELAY - MITIGATION | outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768]. |
| 20031 | 696 | 10829 | 526 | SPS | Line - Chaves Co - Roswell Int 69/115 kV Voltage Conversion | regional reliability | 06/01/11 | 06/01/09 | 01/27/09 | \$4,716,600 | | | DELAY - MITIGATION | Mitigations: In 2009 the contingency loss of one of the 115/69 kV transformers at Roswell Interchange will cause the other to overload to 48.9 MVA, of the 40 MVA rating, or 122.4%. |

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|--------|-----|-------|------|---------------|--|---------------------------------|---|--------------------------|--|-----------------------|------------|-------------------|--------------------|---|
| 20031 | 151 | 10195 | 526 | SPS | XFR - Tuco 115/69 kV | regional reliability | 01/00/00 | 06/01/18 | 01/27/09 | \$1,260,000 | | 24 months | ON SCHEDULE >4 | A reconfiguration of the 69 kV loading will mitigate this contingency until 2018. |
| 20031 | 153 | 10197 | 526 | SPS | XFR - Potash Junction Interchange 115/69 kV | regional reliability | 01/00/00 | 06/01/18 | 01/27/09 | \$600,000 | | 24 months | ON SCHEDULE >4 | No project here! Step study justified this project with a modeling error. Model correction (turning on existing capacitor bank) deferred project from 2008 to 2018. |
| 20004 | 247 | 10316 | 526 | SPS | Line - Curry County Interchange-Farmers Electric REC-Clovis 115 kV | regional reliability | 12/01/08 | | 02/13/08 | \$5,000 | | 6 months | ON SCHEDULE >4 | Lux also confirmed with John Fulton). This terminal upgrade is needed only after the North Clovis Substation is upgraded to the 115 kV circuit, which won't be in-service until 2010. SPS |
| 20043 | 704 | 10936 | 526 | SPS | Line - Tuco - Woodward 345 kV line | Balanced Portfolio | 05/19/14 | | 06/19/09 | \$122,597,500 | | | ON SCHEDULE >4 | |
| 20043 | 704 | 10937 | 526 | SPS | XFR - Tuco transformer and Mid-point Reactor Station | Balanced Portfolio | 05/19/14 | | 06/19/09 | \$26,130,000 | | | ON SCHEDULE >4 | |
| 19984 | 104 | 10128 | 515 | SWPA | Line - Springfield - Brookline 161 kV | transmission service | 06/01/08 | 06/01/08 | | \$300,000 | | | COMPLETE | Prior to BPF tariff |
| | 101 | 10125 | 515 | SWPA | XFR - Eufaula 161/138 kV | regional reliability - non OATT | 10/01/10 | 04/01/09 | | \$3,000,000 | | | DELAY - MITIGATION | |
| | 342 | 10439 | 515 | SWPA | Line - BULL SHOALS - BULL SHOALS 161KV | regional reliability - non OATT | 01/01/10 | 06/01/11 | | \$2,200,000 | | | ON SCHEDULE <4 | |
| 19985 | 72 | 10090 | 525 | WFEC | Line - Elmore - Wallville 69 kV | regional reliability | 03/31/08 | 06/01/12 | 02/02/07 | \$1,488,000 | | 16 months | COMPLETE | |
| 19951 | 141 | 10180 | 525 | WFEC | XFR - Ft Supply 70 MVA | transmission service | 06/01/08 | 06/01/08 | 01/02/07 | \$2,000,000 | | 18- months | COMPLETE | 48% BPF |
| 20003 | 244 | 10312 | 525 | WFEC | XFR - Paoli 138 kV/69 kV Transformer | regional reliability | 06/01/08 | 06/01/09 | 02/13/08 | \$1,500,000 | | 12 months | COMPLETE | |
| 20003 | 312 | 10404 | 525 | WFEC | Line - Alva - Cherokee SW 69 kV | regional reliability | 06/01/08 | 06/01/10 | 02/13/08 | \$150,000 | | 6 months | COMPLETE | |
| 19985 | 134 | 10168 | 525 | WFEC | Multi - Erick - Morewood SW conversion | regional reliability | 10/01/08 | 06/01/08 | 02/02/07 | \$12,000,000 | | 12 months | COMPLETE | |
| 19985 | 134 | 10169 | 525 | WFEC | Multi - Erick - Morewood SW conversion | regional reliability | 10/01/08 | 06/01/08 | 02/02/07 | | | 12 months | COMPLETE | |
| 19985 | 134 | 10170 | 525 | WFEC | Multi - Erick - Morewood SW conversion | regional reliability | 10/01/08 | 06/01/08 | 02/02/07 | | | 12 months | COMPLETE | |
| 19985 | 134 | 10171 | 525 | WFEC | Multi - Erick - Morewood SW conversion | regional reliability | 10/01/08 | 06/01/08 | 02/02/07 | | | 12 months | COMPLETE | |
| 19985 | 134 | 10172 | 525 | WFEC | Multi - Erick - Morewood SW conversion | regional reliability | 10/01/08 | 06/01/08 | 02/02/07 | | | 12 months | COMPLETE | |
| 20003 | 139 | 10177 | 525 | WFEC | Multi - Kingfisher 69 kV | regional reliability | 11/01/08 | 06/01/08 | 02/13/08 | \$4,050,000 | | 10 months | COMPLETE | |
| 20003 | 139 | 10178 | 525 | WFEC | Multi - Kingfisher 69 kV | regional reliability | 11/01/08 | 06/01/08 | 02/13/08 | \$3,540,000 | | 10 months | COMPLETE | |
| 20030 | 585 | 10752 | 525 | WFEC | Line-Buffalo-FT Supply CKT 1 | regional reliability | 04/01/09 | 04/01/09 | 01/27/09 | \$150,000 | | 8 months | COMPLETE | |
| 20003 | 142 | 10181 | 525 | WFEC | Line - Little Axe - Noble 69 kV | regional reliability | 06/01/09 | 04/01/09 | 02/13/08 | \$2,640,000 | | 16 months | COMPLETE | |
| 20003 | 132 | 10166 | 525 | WFEC | Line - Anadarko - Cyril 69 kV | regional reliability | 06/01/09 | 04/01/09 | 02/13/08 | \$3,120,000 | | 16 months | COMPLETE | |
| 19985 | 140 | 10179 | 525 | WFEC | Line - ACME - W Norman 69 kV | regional reliability | 06/01/10 | 06/01/08 | 02/02/07 | \$912,000 | | 8 months | DELAY - MITIGATION | Mitigation Plan under review by SPP. Deferred in latest SPP Transmission Expansion Plan. |
| 20003 | 138 | 10176 | 525 | WFEC | Line - OGE Woodward - WFEC Woodward 69 kV | regional reliability | 12/01/10 | 04/01/09 | 02/13/08 | \$1,050,000 | | 12 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 238 | 10303 | 525 | WFEC | Line - Atoka - WFEC Tupelo - Lane 138 kV | regional reliability | 06/01/10 | 06/01/12 | 02/13/08 | \$8,265,000 | | 12 months | ON SCHEDULE <4 | AEP's station cost is \$1.665M. WFEC's construction cost is \$6.6M. An interconnection agreement has been executed between WFEC and AEP. |
| 20003 | 238 | 10304 | 525 | WFEC | Line - Atoka - WFEC Tupelo - Lane 138 kV | regional reliability | 06/01/10 | 06/01/12 | 02/13/08 | | | 12 months | ON SCHEDULE <4 | |
| 20030 | 586 | 10753 | 525 | WFEC | Line-Burlington-Cherokee SW 69 kV CT | regional reliability | 04/01/09 | 04/01/09 | 01/27/09 | \$150,000 | | 8 months | COMPLETE | |
| 20003 | 240 | 10306 | 525 | WFEC | Line - Cyril to Medicine Park Jct 69 kV | regional reliability | 06/01/09 | 06/01/09 | 02/13/08 | \$750,000 | | 16 months | COMPLETE | |
| 20003 | 241 | 10307 | 525 | WFEC | Line - Anadarko - Georgia Tap 138 kV | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$2,000,000 | | 12 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 242 | 10308 | 525 | WFEC | Line - Elmore - Paoli 69 kV | regional reliability | 06/01/11 | 06/01/09 | 02/13/08 | \$3,240,000 | | 12 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 243 | 10309 | 525 | WFEC | Multi - OU SW - Goldsby - Canadian SW 138 kV | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$2,753,800 | | 16 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 243 | 10310 | 525 | WFEC | Multi - OU SW - Goldsby - Canadian SW 138 kV | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$2,250,000 | | 16 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 243 | 10311 | 525 | WFEC | Multi - OU SW - Goldsby - Canadian SW 138 kV | regional reliability | 06/01/10 | 06/01/09 | 02/13/08 | \$5,000,000 | | 16 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 403 | 10525 | 525 | WFEC | XFR - Comanche 138/69 kV Transformer | regional reliability | 06/01/09 | 06/01/12 | 02/13/08 | \$1,000,000 | | 24 months | COMPLETE | |
| 20030 | 587 | 10754 | 525 | WFEC | Line - IODINE - MOORELAND 138KV CKT 1 | regional reliability | 04/01/09 | 04/01/09 | 01/27/09 | \$150,000 | | 8 months | COMPLETE | |
| 20030 | 588 | 10755 | 525 | WFEC | Line - MOORELAND - MOREWOOD SW 138KV CKT 1 | regional reliability | 04/01/09 | 04/01/09 | 01/27/09 | \$150,000 | | 6 months | COMPLETE | |

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|--------|-------|-------|------|---------------|---|----------------------|---|--------------------------|--|-----------------------|--------------------|-------------------|--------------------|--|
| 20003 | 356 | 10466 | 525 | WFEC | Line - Medicine Park Jct - Fletcher 69 kV | regional reliability | 06/01/09 | 06/01/11 | 02/13/08 | \$1,230,000 | not all charges in | 16 months | COMPLETE | |
| 20003 | 361 | 10471 | 525 | WFEC | Line - Fletcher - Marlow Jct 69 kV | regional reliability | 06/01/11 | 06/01/11 | 02/13/08 | \$2,000,000 | | 16 months | ON SCHEDULE <4 | |
| 20030 | 589 | 10756 | 525 | WFEC | Line-Grandfield-Hollister 69 kV | regional reliability | 06/01/09 | 06/01/09 | 01/27/09 | \$150,000 | | 8 months | COMPLETE | |
| 20030 | 239 | 10305 | 525 | WFEC | Line - WFEC Snyder - AEP Snyder | regional reliability | 12/31/10 | 06/01/09 | 01/27/09 | \$3,373,000 | | 16 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 136 | 10174 | 525 | WFEC | Line - Meeker - Hammett 138 kV | regional reliability | 06/01/11 | 06/01/08 | 02/13/08 | \$6,674,000 | | 10 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 137 | 10175 | 525 | WFEC | Line - Wakita - Hazelton 69 kV | regional reliability | 06/01/11 | 04/01/09 | 02/13/08 | \$8,000,000 | | 10 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20003 | 311 | 10401 | 525 | WFEC | Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV | regional reliability | 06/01/10 | 06/01/10 | 02/13/08 | \$2,065,000 | | 12 months | ON SCHEDULE <4 | |
| 20003 | 311 | 10402 | 525 | WFEC | Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV | regional reliability | 06/01/10 | 06/01/10 | 02/13/08 | \$1,601,000 | | 12 months | ON SCHEDULE <4 | |
| 20003 | 311 | 10403 | 525 | WFEC | Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV | regional reliability | 06/01/10 | 06/01/10 | 02/13/08 | \$1,577,000 | | 12 months | ON SCHEDULE <4 | |
| 20030 | 616 | 10794 | 525 | WFEC | Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV | regional reliability | 12/01/10 | 06/01/10 | 01/27/09 | \$5,765,600 | | 24 months | DELAY - MITIGATION | No mitigation needed in summer 2010 due to updated load forecasts. |
| 20030 | 616 | 10795 | 525 | WFEC | Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV | regional reliability | 06/01/10 | 06/01/10 | 01/27/09 | \$5,315,700 | | 24 months | ON SCHEDULE <4 | |
| 20030 | 616 | 10796 | 525 | WFEC | Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV | regional reliability | 12/01/10 | 06/01/10 | 01/27/09 | \$3,164,000 | | 24 months | DELAY - MITIGATION | No mitigation needed in summer 2010 due to updated load forecasts. |
| 20030 | 616 | 10797 | 525 | WFEC | Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV | regional reliability | 06/01/12 | 06/01/10 | 01/27/09 | \$3,937,500 | | 24 months | DELAY - MITIGATION | No mitigation needed in summer 2010 due to updated load forecasts. |
| 20030 | 617 | 10798 | 525 | WFEC | Line - Carter Jct-Lake Creek 69 kV | regional reliability | 06/01/10 | 06/01/10 | 01/27/09 | \$150,000 | | 8 months | ON SCHEDULE <4 | |
| 20030 | 135 | 10799 | 525 | WFEC | Multi: Lindsay - Lindsay SW and Bradley-Rush Springs lines | regional reliability | 12/01/10 | 06/01/10 | 01/27/09 | \$1,248,750 | | 24 months | DELAY - MITIGATION | Mitigation needed for delaying the project to 12/01/10. Shift 2MW of load from Criner to Bradley and turn on fully Marlow and Lindsay capacitor banks. If mitigation doesn't resolve issues, shed load. |
| 20030 | 135 | 10173 | 525 | WFEC | Multi - Lindsay - Lindsay SW and Bradley-Rush Springs | regional reliability | 12/01/10 | 06/01/10 | 01/27/09 | \$2,328,750 | | 24 months | DELAY - MITIGATION | Mitigation needed for delaying the project to 12/01/10. Shift 2MW of load from Criner to Bradley and turn on fully Marlow and Lindsay capacitor banks. If this mitigation doesn't resolve issues, shed load. |
| 19951 | 357 | 10467 | 525 | WFEC | XFR - Anadarko 138/69 kV | transmission service | 06/01/11 | 06/01/11 | 01/02/07 | \$2,000,000 | | 16 months | ON SCHEDULE <4 | |
| 20018 | 30165 | 50173 | 525 | WFEC | Line - HUGO - SUNNYSIDE 345KV WFEC | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$2,000,000 | | 36 months | ON SCHEDULE <4 | Full BPF |
| 20003 | 402 | 10522 | 525 | WFEC | Multi - Granfield - Cache SW 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$1,125,000 | | 12 months | ON SCHEDULE <4 | |
| 20003 | 402 | 10523 | 525 | WFEC | Multi - Granfield - Cache SW 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$7,306,000 | | 24 months | ON SCHEDULE <4 | |
| 20003 | 402 | 10524 | 525 | WFEC | Multi - Granfield - Cache SW 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$5,000,000 | | 24 months | ON SCHEDULE <4 | |
| 20018 | 313 | 10405 | 525 | WFEC | Line - Valiant - Hugo 345 kV | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$18,000,000 | | 24 months | ON SCHEDULE <4 | 73% BPF |
| 20018 | 314 | 10406 | 525 | WFEC | XFR - Hugo 345/138 kV | transmission service | 04/01/12 | 04/01/12 | 01/16/09 | \$12,000,000 | | 24 months | ON SCHEDULE <4 | 73% BPF |
| 20003 | 399 | 10519 | 525 | WFEC | Line - Lindsay - Wallville 69 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$1,347,000 | | 12 months | ON SCHEDULE <4 | |
| 20003 | 400 | 10520 | 525 | WFEC | Line - Pharoah - Weleetka 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$225,000 | | 6 months | ON SCHEDULE <4 | |
| 20003 | 401 | 10521 | 525 | WFEC | Line - WFEC Russell 138 kV - AEP Altus Jct Tap 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$50,000 | | 6 months | ON SCHEDULE <4 | |
| 20044 | 705 | 10938 | 525 | WFEC | Tap Anadarko - Washita 138 kV line | Balanced Portfolio | 12/31/11 | | 06/19/09 | \$200,000 | | | ON SCHEDULE <4 | WFEC changed the project. The project will now tap the existing Washita-Anadarko 138 kV line and bring it into the Gracemont (aka Anadarko 345 kV) substation. |
| 19986 | 84 | 10107 | 536 | WR | Line - Hesston - Golden Plain - Gatz 69 kV Rebuild | regional reliability | 08/04/08 | 06/01/07 | 02/02/07 | \$1,617,177 | \$1,553,395 | | COMPLETE | |
| 19986 | 84 | 10108 | 536 | WR | Line - Hesston - Golden Plain - Gatz 69 kV Rebuild | regional reliability | 08/04/08 | 06/01/07 | 02/02/07 | | | | COMPLETE | |
| 20006 | 167 | 10216 | 536 | WR | Line - Gill Energy Center East - Gill Energy Center Jct 69 kV Rebuild | regional reliability | 12/20/08 | 06/01/08 | 02/13/08 | \$1,589,322 | \$1,987,109 | 18 months | COMPLETE | |
| 19986 | 174 | 10223 | 536 | WR | Line - Murry Gill Energy Center - MacArthur 69 kV | regional reliability | 06/01/08 | 06/01/08 | 02/02/07 | \$150,000 | | 8 months | COMPLETE | |
| 20006 | 175 | 10224 | 536 | WR | Line - McDowell Creek - Fort Junction 115 kV | regional reliability | 12/15/08 | 10/01/08 | 02/13/08 | \$6,350,667 | \$6,409,525 | 10 months | COMPLETE | |
| 20006 | 175 | 10225 | 536 | WR | Line - McDowell Creek - Fort Junction 115 kV | regional reliability | 12/15/08 | 10/01/08 | 02/13/08 | | | 10 months | COMPLETE | |
| 19986 | 176 | 10226 | 536 | WR | Line - Dearing - Coffeyville 69 kV Rebuild | regional reliability | 12/08/08 | 06/01/08 | 02/02/07 | \$1,226,705 | \$778,658 | 7 months | COMPLETE | |
| 19986 | 176 | 10227 | 536 | WR | Line - Coffeyville - CRA 69 kV Rebuild | regional reliability | 12/08/08 | 06/01/08 | 02/02/07 | | | 7 months | COMPLETE | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-----|-------|------|---------------|---|----------------------|---|--------------------------|--|-----------------------|-------------|-------------------|--------------------|---|
| 19986 | 181 | 10230 | 536 | WR | XFR - County Line 115/69 kV Replacement | regional reliability | 10/30/08 | 06/01/07 | 02/02/07 | \$2,860,000 | | 14 months | COMPLETE | |
| 19986 | 185 | 10234 | 536 | WR | Multi - Hutchinson 115 kV conversion | zonal reliability | 12/01/08 | 12/31/08 | 02/02/07 | \$6,711,881 | | 20 months | COMPLETE | |
| 19966 | 253 | 10333 | 536 | WR | Line - Jarbalo - 166th Street 115 kV | transmission service | 09/18/08 | 06/01/09 | 05/29/07 | \$7,943,430 | \$3,339,680 | 18 months | COMPLETE | |
| 19965 | 253 | 10334 | 536 | WR | Line- 166th - Jaggard Junction 115 kV Rebuild | transmission service | 01/15/10 | 06/01/09 | 05/29/07 | \$1,594,248 | | 18 months | DELAY - MITIGATION | Project is in service |
| 19965 | 253 | 10335 | 536 | WR | Line - Jaggard Junction - Pentagon 115 kV Rebuild | transmission service | 06/01/10 | 06/01/09 | 05/29/07 | \$2,900,000 | | 18 months | DELAY - MITIGATION | Interim mitigation is implementation of Transmission Operating Directive 800 |
| 20006 | 265 | 10348 | 536 | WR | XFR - Stranger Creek 345/115 #2 Addition | regional reliability | 09/15/09 | 06/01/09 | 02/13/08 | \$8,300,000 | | 24 months | COMPLETE | Project is in service |
| 20033 | 266 | 10349 | 536 | WR | Line - Circle - HEC GT 115 kV Rebuild | regional reliability | 06/01/11 | 06/01/11 | 01/27/09 | \$710,000 | | 18 months | ON SCHEDULE <4 | Interim mitigation is redipatch of HEC GT units. |
| 19986 | 180 | 10229 | 536 | WR | Line - Stranger Creek - Thornton Street 115 kV Addition | regional reliability | 08/01/10 | 06/01/07 | 02/02/07 | \$8,538,843 | | 12 months | DELAY - MITIGATION | Interim mitigation is implementation of Transmission Operating Directive 1216; Project delay is due to routing difficulties at Stranger Creek substation taking into account the addition of the 2nd 345-115 kV transformer in 2009; Current line cost estimate is \$3,875,000. |
| 20006 | 179 | 10228 | 536 | WR | Line - Summit - NE Saline 115 kV | regional reliability | 10/13/09 | 06/01/09 | 02/13/08 | \$7,549,969 | | 18 months | COMPLETE | Project is modified: Rebuild Summit-Northview 115 kV ; In-service date 6/1/2009;\$ 6,819,380 Build Summit-Southgate 115 kV; Remove Northview-Southgate 115 kV; Work will be performed when extensive crews are completing Reno County-Summit 345 kV work; Cost for substation work is \$1.3 million |
| 20006 | 323 | 10419 | 536 | WR | Line - West McPherson - Wheatland 115 kV | regional reliability | 03/01/09 | 06/01/10 | 02/13/08 | \$3,949,405 | | 12 months | COMPLETE | |
| 20006 | 260 | 10343 | 536 | WR | Line - Reno - Circle 115 kV Ckt 1 | regional reliability | 03/01/09 | 06/01/09 | 02/13/08 | \$4,056,582 | | 18 months | COMPLETE | |
| 20006 | 170 | 10219 | 536 | WR | Line - Fort Junction - Anzio 115 kV | regional reliability | 06/01/10 | 06/01/08 | 02/13/08 | \$4,288,827 | | 6 months | DELAY - MITIGATION | Increase generation at McPherson and Hutchinson to relieve overloading Transmission Operating Directive 1217 |
| | 262 | 10345 | 536 | WR | Line - Reno County-Summit 345 kV ckt 1 | sponsored | 12/31/10 | | | \$100,618,016 | | 24 months | ON SCHEDULE <4 | Project costs include rebuilding of 115 kV and 230 kV underlying system on same ROW |
| | 262 | 10346 | 536 | WR | XFR - Reno County 345/115 kV #2 | sponsored | 09/21/09 | | | \$4,337,501 | | 24 months | COMPLETE | |
| 20059 | 622 | 10810 | 536 | WR | Line - Richland - Rose Hill Junction 69 kV | regional reliability | 06/01/13 | 06/01/11 | 09/18/09 | \$2,815,000 | | 18 months | DELAY - MITIGATION | Interim mitigation is continued use of applicable Transmission Operating Directives. |
| 20019 | 578 | 10739 | 536 | WR | Line - Knob Hill - Steele City 115 kV | regional reliability | 06/01/10 | 06/01/09 | 11/17/08 | \$29,227,450 | | 48 months | DELAY - MITIGATION | FLOWGATE 5328 Mitigation is putting the Clifton Unit (539655) on and increasing the output as needed to relieve the line loading. Substation cost 12 \$1.0 million. |
| 20006 | 321 | 10417 | 536 | WR | Line - Oaklawn - Oliver 69 kV | regional reliability | 06/01/11 | 06/01/10 | 02/13/08 | \$1,292,500 | | 12 months | DELAY - MITIGATION | Interim mitigation is to transfer load on 69 kV substations in Wichita to unload the line. |
| 19964 | 318 | 10412 | 536 | WR | Line - Coffeyville - Dearing 138 kV | transmission service | 06/01/10 | 06/01/10 | 06/27/07 | \$2,990,000 | | 18 months | ON SCHEDULE <4 | Cost is WERE portion only |
| 20033 | 493 | 10638 | 536 | WR | Multi - Jarbalo - Stranger Creek - NW Leavenworth | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$8,450,000 | | 15 months | DELAY - MITIGATION | Transmission Operating Directive 1216 modified to open Jarbalo-NW Leavenworth |
| 20033 | 493 | 10639 | 536 | WR | Multi - Jarbalo - Stranger Creek - NW Leavenworth | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | | | 15 months | DELAY - MITIGATION | Transmission Operating Directive 1216 modified to open Jarbalo-NW Leavenworth |
| 20006 | 330 | 10426 | 536 | WR | Multi - Fort Scott - Marmaton/Litchfield 161kV | regional reliability | 01/00/00 | 06/01/10 | 02/13/08 | \$5,000,000 | | 18 months | DELAY - MITIGATION | Mitigation is power factor correction on 69 kV system between Marmton and Litchfield |
| 20006 | 330 | 10427 | 536 | WR | Multi - Fort Scott - Marmaton/Litchfield 161kV | regional reliability | 01/00/00 | 06/01/10 | 02/13/08 | \$2,400,000 | | 18 months | DELAY - MITIGATION | Mitigation is power factor correction on 69 kV system between Marmton and Litchfield |
| 20033 | 495 | 10640 | 536 | WR | Line - Lawrence Hill - Mockingbird 115 kV | regional reliability | 01/00/00 | 06/01/10 | 01/27/09 | \$2,377,448 | | 18 months | RE-EVALUATION | Re-evaluating scope of project as part of a comprehensive assessment of the Lawrence load area. |
| 20033 | 618 | 10806 | 536 | WR | Multi - NW Manhattan | regional reliability | 12/01/11 | 06/01/10 | 01/27/09 | \$17,437,500 | | 24 months | DELAY - MITIGATION | Install Distribution Capacitors change conversion and East Manhattan - JEC 230 kV Distribution Transformer NLTs. Load projections have reduced |
| 20033 | 621 | 10809 | 536 | WR | Line - E. Manhattan - JEC 230 kV | regional reliability | 01/00/00 | 06/01/10 | 01/27/09 | \$17,085,938 | | 24 months | RE-EVALUATION | |
| 20033 | 623 | 10811 | 536 | WR | Line - Timber Junction - Winfield 69 kV | regional reliability | 12/31/10 | 06/01/10 | 01/27/09 | \$9,815,000 | | 24 months | RE-EVALUATION | Interim mitigation is continued use of applicable Transmission Operating Directives. |
| 20033 | 625 | 10813 | 536 | WR | Line - Rebuild Chisolm - Ripley 69 kV | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$2,330,000 | | 18 months | DELAY - MITIGATION | Close the normally open switch (69-11) on the Hoover-Cowskin 69 kV line. Project will probably defer to 2010 due to reduced load forecast. Expected in-service date is 12/1/2010. |
| 20033 | 599 | 10766 | 536 | WR | Line - 27th & Croco - Tecumseh Hill 115 kV | regional reliability | 12/31/10 | 06/01/09 | 01/27/09 | \$4,115,000 | | 18 months | RE-EVALUATION | |
| 20019 | 577 | 10738 | 536 | WR | Line - Kelly - Seneca 115 kV | regional reliability | 12/01/10 | 06/01/09 | 11/17/08 | \$6,062,000 | | 24 months | DELAY - MITIGATION | FLOWGATE 5328 Mitigation is putting the Clifton Unit (539655) on and increasing the output as needed to relieve the line loading. Project has been suspended after TransCanada study |
| 20006 | 328 | 10424 | 536 | WR | Line - Reno(Circle) - Moundridge Project 115 kV Rebuild | regional reliability | 06/01/10 | 06/01/10 | 02/13/08 | \$5,800,000 | | 12 months | ON SCHEDULE <4 | Rebuild will be done as part of Wichita - Reno County 345 kV |
| 20006 | 171 | 10220 | 536 | WR | Line - Weaver - Rose Hill 69 kV | regional reliability | 06/01/10 | 06/01/08 | 02/13/08 | \$2,111,000 | | 6 months | DELAY - MITIGATION | Interim mitigation is continued use of applicable Transmission Operating Directives. |
| 20006 | 172 | 10221 | 536 | WR | Line - Tecumseh Energy Center - Midland 115 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$2,100,000 | | 6 months | ON SCHEDULE <4 | |
| | 173 | 10222 | 536 | WR | Line - Gill Energy Center West-Peck 69 kV Rebuild | zonal-sponsored | 07/15/10 | | | \$6,800,000 | | 12 months | ON SCHEDULE <4 | Project deferred. |
| | 328 | 10425 | 536 | WR | XFR - Reno(Circle)-Moundridge Project | zonal-sponsored | 06/01/15 | | | \$2,000,000 | | | ON SCHEDULE <4 | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-------|-------|------|---------------|--|----------------------|---|--------------------------|--|-----------------------|------------|-------------------|--------------------|--|
| 20033 | 624 | 10812 | 536 | WR | Line - Fort Junction - West Junction City 115 kV | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$5,403,500 | | 24 months | DELAY - MITIGATION | Interim mitigation is to increase generation at AEC, McPherson, and HEC to relieve overloading. |
| 19964 | 375 | 10488 | 536 | WR | XFR - Rose Hill 345/138 kV #3 Addition | transmission service | 06/01/12 | 06/01/11 | 06/27/07 | \$8,100,000 | | 24 months | DELAY - MITIGATION | Interim mitigation is to open any 138 kV line out of Rose Hill. |
| 20006 | 369 | 10482 | 536 | WR | Line - SW Lawrence - Wakarusa 115 kV Rebuild | regional reliability | 06/01/11 | 06/01/11 | 02/13/08 | \$2,000,000 | | 18 months | ON SCHEDULE <4 | Re-evaluating scope of project as part of a comprehensive assessment of the Lawrence load area. |
| 20006 | 370 | 10483 | 536 | WR | Line - Co-op - Wakarusa | regional reliability | 06/01/11 | 06/01/11 | 02/13/08 | \$760,000 | | 18 months | ON SCHEDULE <4 | The required date to start the project has not yet occurred; Mitigation plans not required |
| 20033 | 600 | 10767 | 536 | WR | Line - 27th & Croco - 41st & California 115 kV | regional reliability | 12/31/11 | 06/01/09 | 01/27/09 | \$2,928,000 | | 24 months | RE-EVALUATION | Project will probably defer to 2011 due to reduced load forecast. Expected in-service date is 12/1/2011. Substation terminal upgrades is \$475,000. |
| 20033 | 267 | 10350 | 536 | WR | Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$2,500,000 | | 12 months | DELAY - MITIGATION | UVLS operational in Newton Division. Adjustment of CTs at Halstead and Newton to increase line rating is interim mitigation. Substation terminal costs is \$220,000 for Halstead and Newton. |
| 20033 | 267 | 10351 | 536 | WR | Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$360,000 | | 12 months | DELAY - MITIGATION | UVLS operational in Newton Division. Adjustment of CTs at Halstead and Newton to increase line rating is interim mitigation. Substation terminal costs is \$220,000 for Halstead and Newton. |
| 20033 | 267 | 10352 | 536 | WR | Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV | regional reliability | 06/01/11 | 06/01/10 | 01/27/09 | \$1,300,000 | | 12 months | DELAY - MITIGATION | UVLS operational in Newton Division. Adjustment of CTs at Halstead and Newton to increase line rating is interim mitigation. Substation terminal costs is \$220,000 for Halstead and Newton. |
| 20033 | 463 | 10602 | 536 | WR | Line - East Manhattan - McDowell 115 kV to 230 kV conversion | regional reliability | 06/01/12 | 06/01/10 | 01/27/09 | \$4,100,000 | | 12 months | DELAY - MITIGATION | Install Distribution Capacitors change conversion and East Manhattan - JEC 230 kV Distribution Transformer NLTs. Load projections have reduced |
| 20059 | 529 | 10674 | 536 | WR | Line - Rose Hill - Sooner 345 kV | regional reliability | 01/01/13 | 01/01/13 | 09/18/09 | \$79,204,000 | | 36 months | ON SCHEDULE >4 | |
| 20033 | 491 | 10636 | 536 | WR | Line - Bismark - COOP | regional reliability | 06/01/11 | 06/01/09 | 01/27/09 | \$2,085,000 | | 18 months | DELAY - MITIGATION | Transmission Operating Directive 1211 |
| 20006 | 410 | 10536 | 536 | WR | Line - Circle - Ark Valley - Tower 33 115 kV | regional reliability | 01/00/00 | 06/01/12 | 02/13/08 | \$0 | | 12 months | DELAY - MITIGATION | Line is radial. |
| | 561 | 10711 | 536 | WR | Line - Evans - Lakeridge 138 kV ckt 1 | regional reliability | 10/01/09 | 06/01/10 | 09/18/09 | \$0 | | 24 months | COMPLETE | Line is currently rated for 2,000 ampere service. |
| 20033 | 643 | 10844 | 536 | WR | Line - Twin Valley - Altamont - Neosho 138 kV | regional reliability | 06/01/13 | 06/01/13 | 01/27/09 | \$4,000,000 | | 18 months | ON SCHEDULE >4 | |
| 20033 | 533 | 10678 | 536 | WR | XFR - Auburn Road 230/115 kV | regional reliability | 06/01/13 | 06/01/13 | 01/27/09 | \$12,622,500 | | 36 months | ON SCHEDULE >4 | |
| 20063 | 645 | 10846 | 536 | WR | XFR - 17th Street 138/69 kV second transformer UPDATED | regional reliability | 06/01/13 | 06/01/10 | 11/02/09 | \$2,400,000 | | 24 months | DELAY - MITIGATION | Close the normally open switch (69-11) on the Hoover-Cowskin 69 kV line. |
| 20033 | 534 | 10679 | 536 | WR | XFR - Halstead South 138/69 kV #1 | regional reliability | 06/01/14 | 06/01/14 | 01/27/09 | \$1,400,000 | | 24 months | ON SCHEDULE >4 | |
| 20033 | 652 | 10857 | 536 | WR | Line - Hutchinson Energy Center - Huntsville 115 kV Rebuild | regional reliability | 06/01/15 | 06/01/15 | 01/27/09 | \$12,487,500 | | 36 months | ON SCHEDULE >4 | |
| 20033 | 169 | 10218 | 536 | WR | Line - Chapman - Clayton Center 115 kV Uprate | regional reliability | 06/01/17 | 06/01/17 | 01/27/09 | \$10,000 | | 12 months | ON SCHEDULE >4 | Model error. |
| 20059 | 182 | 10231 | 536 | WR | Line - Chase - White Junction 69 kV | regional reliability | 12/01/12 | 06/01/10 | 09/18/09 | \$5,184,701 | | 12 months | DELAY - MITIGATION | Run generation at Augusta |
| 20059 | 30228 | 50235 | 536 | WR | Line - Chanute Tap - Tioga 69 kV | transmission service | 06/01/10 | 06/01/10 | 09/18/09 | \$115,000 | | 12 months | ON SCHEDULE <4 | |
| 20059 | 30229 | 50237 | 536 | WR | Line - Coffeyville Tap - Dearing 138 kV CKT 1 WERE #2 | transmission service | 06/01/10 | 06/01/10 | 09/18/09 | \$750,000 | | | ON SCHEDULE <4 | |
| 20059 | 30230 | 50241 | 536 | WR | Line - Neosho - Northeast Parsons 138 kV | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$250,000 | | 6 months | ON SCHEDULE <4 | |
| 20059 | 30231 | 50242 | 536 | WR | Line - Sumner County - Timber Junction 138 kV | zonal reliability | 06/01/11 | 06/01/11 | 09/18/09 | \$9,360,000 | | | ON SCHEDULE <4 | Transmission line portion will be complete by 7/1/2010. 69 kV substation and 138-69 kV transformer will be in service 6/1/2011. |
| 20059 | 30224 | 50238 | 536 | WR | Line - Green - Vernon 69 kV | transmission service | 12/01/10 | 07/01/10 | 09/18/09 | \$4,000,000 | | 18 months | DELAY - MITIGATION | Redispatch generation pursuant to Transmission Service Agreement |
| 20059 | 30224 | 50245 | 536 | WR | Line - Vernon - Athens 69 kV | transmission service | 07/01/11 | 01/01/11 | 09/18/09 | \$2,600,000 | | 18 months | DELAY - MITIGATION | Redispatch generation pursuant to Transmission Service Agreement |
| 20059 | 30224 | 50232 | 536 | WR | Line - Athens - Owl Creek 69 kV | transmission service | 12/31/11 | 04/01/11 | 09/18/09 | \$1,600,000 | | 18 months | DELAY - MITIGATION | Redispatch generation pursuant to Transmission Service Agreement |
| 20059 | 30224 | 50239 | 536 | WR | Line - Lehigh Tap - Owl Creek 69 kV | transmission service | 12/01/11 | 12/01/11 | 09/18/09 | \$3,811,500 | | 18 months | ON SCHEDULE <4 | |
| 20059 | 30224 | 50228 | 536 | WR | Line - Allen - Lehigh Tap 69 kV | transmission service | 06/01/12 | 06/01/12 | 09/18/09 | \$2,560,500 | | 12 months | ON SCHEDULE <4 | |
| 20059 | 30224 | 50240 | 536 | WR | Line - Lehigh Tap - United No. 9 Conger 69 kV | transmission service | 11/01/13 | 11/01/13 | 09/18/09 | \$593,775 | | 12 months | ON SCHEDULE >4 | |
| 20059 | 30224 | 50234 | 536 | WR | Line - Burlington Junction - Wolf Creek 69 kV | transmission service | 01/01/13 | 01/01/13 | 09/18/09 | \$1,945,000 | | 24 months | ON SCHEDULE >4 | |
| 20059 | 30224 | 50233 | 536 | WR | Line - Burlington Junction - Coffey County No. 3 Westphalia 69 kV | transmission service | 07/01/13 | 07/01/13 | 09/18/09 | \$3,340,000 | | 24 months | ON SCHEDULE >4 | |
| 20059 | 30224 | 50236 | 536 | WR | Line - Coffey County No. 3 Westphalia - Green 69 kV | transmission service | 04/01/14 | 04/01/14 | 09/18/09 | \$4,249,000 | | 24 months | ON SCHEDULE >4 | |
| 20063 | 563 | 10713 | 536 | WR | Multi - Litchfield - Aquarius - Hudson Jct. 69 kV Uprate | regional reliability | 06/01/14 | 06/01/13 | 11/02/09 | \$75,000 | | 12 months | ON SCHEDULE >4 | The project is needed at an earlier in service date than previous NTC identified. |
| 20063 | 664 | 10870 | | WR | 536_WERE_Gill - Waco 138kV.idv06/01/12 | regional reliability | 06/01/12 | 6/1/2010 | 11/02/09 | 1,000,000 | | 12 months | ON SCHEDULE <4 | |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-----|-----|------|---------------|--------------|--------------|---|--------------------------|--|-----------------------|------------|-------------------|----------------|-------------------------|
|--------|-----|-----|------|---------------|--------------|--------------|---|--------------------------|--|-----------------------|------------|-------------------|----------------|-------------------------|

SPP 1st Quarter 2010 Project Tracking List - Devices

| | |
|-----------------------------|--|
| COMPLETE | Complete. |
| ON SCHEDULE <4 | On Schedule 4 Year Horizon. |
| ON SCHEDULE >4 | On Schedule beyond 4 Year Horizon. |
| DELAY - MITIGATION | Behind schedule, interim mitigation provided or project may change but time permits the implementation of project. |
| RE-EVALUATION | Behind schedule, require re-evaluation due to anticipated load forecast changes. |
| DELAY- NO MITIGATION | Delayed beyond the RTO Determined need date and no mitigation plan provided |
| \$ / months | Project lead time and cost estimated by SPP staff |

Project types "zonal-sponsored" and "regional reliability - non OATT" do not receive NTCs and are not filed at FERC but are being tracked because they are expected to be built in the near term

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-------|-------|------|---------------|---|----------------------|---|--------------------------|--|---------------|------------|-------------------|--------------------|--|
| | 30029 | 50035 | 520 | AEP | Figure Five | zonal - sponsored | 10/25/09 | | | \$873,000 | | | COMPLETE | AEP tasks completed 10/25/2009. AECC still has Distribution work to complete. |
| | 30070 | 50076 | 520 | AEP | Sugar Loaf | zonal - sponsored | 12/01/12 | | | \$500,000 | | | ON SCHEDULE <4 | |
| | 30170 | 50178 | 520 | AEP | Delivery point- Hull | zonal - sponsored | 09/18/09 | | | \$654,000 | | 15 months | COMPLETE | AEP tasks completed 9/18/2009. AECC still has Distribution work to complete. |
| | 30085 | 50091 | 546 | CUS | Device - Mentor Substation | zonal - sponsored | 09/25/09 | | | \$1,800,000 | | 24 months | COMPLETE | Completed 9/25/2009. |
| 20036 | 30067 | 50073 | 544 | EDE | Device - Quapaw Cap 69 kV | regional reliability | 12/01/09 | 06/01/18 | 01/27/09 | \$1,500,000 | | 18 months | ON SCHEDULE <4 | Project under study. Will be complete once 2008 series models are released. Distribution transformer taps to be adjusted accordingly to serve load adequately until the project can be implemented/energized. |
| 20010 | 30078 | 50084 | 544 | EDE | Device - Riverside Sub Cap 161kV | zonal reliability | 12/01/10 | 06/01/09 | 02/13/08 | \$2,600,000 | | 24 months | DELAY - MITIGATION | Project under study, will be complete once 2008 series models are released. Dist. Xfmr taps to be adjusted accordingly to serve load adequately until the project can be implemented/energized |
| 20034 | 30076 | 50082 | 540 | GMO | Device - Warsaw 2 69 kV Capacitor | regional reliability | | 06/01/13 | 01/27/09 | \$409,900 | | 12 months | ON SCHEDULE >4 | Believe this violation caused by model error, incorrect transformer tap setting; have requested this NTC not be included in 2009 STEP. No mitigation plan is needed in near-term. |
| 20034 | 30174 | 50182 | 540 | GMO | Device - Craig 69 kV Capacitor | regional reliability | | 06/01/09 | 01/27/09 | \$350,000 | | 12 months | DELAY - MITIGATION | Believe this violation caused by model error, incorrect transformer tap setting; have requested this NTC not be included in 2009 STEP. No mitigation plan is needed in near term. |
| 20053 | 30220 | 50224 | 540 | GMO | Device - Blue Springs East 161 kV Capacitor | regional reliability | 06/01/11 | 06/01/11 | 09/18/09 | \$1,400,000 | | 18 months | ON SCHEDULE <4 | project not budgeted; mitigation plan will run Greenwood generation for var support. |
| 20053 | 30221 | 50225 | 540 | GMO | Device - Ralph Green 161 kV Capacitor | regional reliability | 06/01/10 | 06/01/10 | 09/18/09 | \$486,000 | | 12 months | ON SCHEDULE <4 | project not budgeted; mitigation plan will run Ralph Green generation for var support. |
| 20028 | 30072 | 50078 | 523 | GRDA | Device - Afton Cap 69 kV | regional reliability | 06/01/10 | 06/01/09 | 01/27/09 | \$800,000 | | 18 months | DELAY - MITIGATION | This voltage violation is at an NEO/REC substation that is on the end of a NEO/REC radial line out of the Afton substation. In the event of a voltage violation that cannot be mitigated with regulators we would shed this load. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project. |
| 20028 | 30074 | 50080 | 523 | GRDA | Device - Tahlequah West 69 Cap kV | regional reliability | 07/01/12 | 06/01/09 | 01/27/09 | \$779,000 | | 12 months | DELAY - MITIGATION | Replaces Tahlequah City#1 and City #2 Cap 69. In the event of a contingency that caused a true voltage violation which regulators would not mitigate we would shed load in the city of Talequah. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project. |
| 20001 | 30086 | 50092 | 523 | GRDA | Device - Jay Cap 69 kV | regional reliability | 06/01/11 | 06/01/11 | 02/13/08 | \$800,000 | | 18 months | ON SCHEDULE <4 | This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project. |
| | 30171 | 50179 | 523 | GRDA | Device - Chelsea 69 kV Cap | zonal - sponsored | 10/15/09 | | | \$586,000 | | 12 months | ON SCHEDULE <4 | Project delayed. Probable Fall 2009 completion |
| 20028 | 30177 | 50185 | 523 | GRDA | Device - Tahlequah West #2 Capacitor | regional reliability | | 06/01/13 | 01/27/09 | \$291,600 | | 12 months | ON SCHEDULE >4 | GRDA is requesting that this project is removed and will be replaced by an AEKI/KAMO 161/69 Xfmr and new 69 kV line wich will terminate at Peggs. |
| 20009 | 30077 | 50083 | 541 | KCPL | Device - Craig Cap 161 kV | zonal reliability | 06/01/10 | 06/01/08 | 02/13/08 | \$1,057,630 | | 12 months | DELAY - MITIGATION | project on schedule for 6/1/10 in-service date |
| 20051 | 30217 | 50221 | 541 | KCPL | Device - Craig 161 kV Capacitor | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$50,000 | | 18 months | ON SCHEDULE <4 | project not budgeted; mitigation plan will change summer transformer taps to 0.975 tap. |
| 20032 | 30176 | 50184 | 531 | MIDW | Device - Kinsley Capacitor 115 kV | regional reliability | 06/01/11 | 06/01/11 | 01/27/09 | #REF! | | 18 months | ON SCHEDULE <4 | Total MVAR will be distributed to two locations. N Kinsley & Pawnee substations. |
| 20007 | 30061 | 50067 | 539 | MKEC | Device - Pratt Cap 115 kV | regional reliability | 03/01/10 | 06/01/08 | 02/13/08 | \$1,350,000 | | | DELAY - MITIGATION | Construction has been started. Mitigation is to have City of Pratt generate to raise voltage. |
| 20054 | 30062 | 50068 | 539 | MKEC | Device - Harper Cap 138 kV | regional reliability | 05/01/10 | 10/01/09 | 02/13/08 | \$1,100,000 | | 12 months | DELAY - MITIGATION | Construction has been started. Mitigation is to adjust the LTC on the Medicine Lodge 138/115 kV transformer, adjust generation at Fort Dodge, and request SPS to adjust the flow on the Texas Co Phase shifter. |
| 20007 | 30090 | 50096 | 539 | MKEC | Device - Russell 115 kV | regional reliability | 06/01/11 | 06/01/11 | 02/13/08 | \$750,000 | | 12 months | ON SCHEDULE <4 | Currently in engineering design and cost review. Request City of Russell to generate to raise voltage. |
| 20007 | 30098 | 50104 | 539 | MKEC | Device - Plainville Cap 115 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$1,500,000 | | 12 months | ON SCHEDULE <4 | Engineering esign to begin in 4th quarter of 2010. Construction to begin first quarter of 2011. |

| NTC_ID | PID | UID | Area | Project Owner | Project Name | Project Type | Project Owner Indicated In-Service Date | RTO Determined Need Date | Letter of Notification to Construct Issue Date | Current Cost Estimate | Final Cost | Project Lead Time | Project Status | Project Status Comments |
|--------|-------|-------|------|---------------|---------------------------------------|----------------------|---|--------------------------|--|-----------------------|------------|-------------------|--------------------|--|
| | 304 | 50148 | 524 | OGE | Device - Madill Industrial 138 kV | zonal - sponsored | 03/01/11 | | | \$264,000 | | 12 months | ON SCHEDULE <4 | Part of multi-upgrade project for new arc furnace near Arbuckle (See branch tab for more details and cost estimate) |
| 20058 | 30104 | 50110 | 534 | SEPC | Device - N Cimarron 115 kV | regional reliability | 06/01/12 | 06/01/12 | 09/18/09 | \$1,000,000 | | 18 months | ON SCHEDULE <4 | |
| 19985 | 30012 | 50018 | 525 | WFEC | Device - Rush Springs 69 kV | regional reliability | 11/01/08 | 06/01/06 | 02/02/07 | \$90,000 | | 8 months | COMPLETE | |
| 20003 | 30036 | 50042 | 525 | WFEC | Device - Marietta Cap 138 kV | regional reliability | 11/01/08 | 06/01/08 | 02/13/08 | \$675,000 | | 12 months | COMPLETE | |
| 20003 | 30037 | 50043 | 525 | WFEC | Device - Sweet Water Cap 69 kV | regional reliability | 03/01/08 | 06/01/08 | 02/13/08 | \$243,000 | | 10 months | COMPLETE | |
| 20030 | 30039 | 50045 | 525 | WFEC | Device - Esquandale Cap 69 kV | regional reliability | 06/01/14 | 06/01/14 | 01/27/09 | \$243,000 | | 12 months | ON SCHEDULE >4 | WFEC will move ahead line project: Cache to Grandfield to mitigate voltage problem. Short term mitigation until line can be built will be transferring load from Hulen Substation to Empire and Duncan Substations |
| 19985 | 30041 | 50047 | 525 | WFEC | Device - Comanche | regional reliability | 06/01/12 | 06/01/12 | 02/02/07 | \$350,000 | | 12 months | ON SCHEDULE <4 | Shed load at Loco Substation (up to 3.5MW in 2007 Summer Peak) Shed load at Empire Substation (up to 5MW in 2007 Summer Peak). MW values mentioned are typical for a Summer Peak case. Mitigation Plan under review by SPP staff. |
| 20003 | 30043 | 50049 | 525 | WFEC | Device - Twin Lakes Cap 69 kV | regional reliability | 06/01/08 | 06/01/08 | 02/13/08 | \$108,000 | | | COMPLETE | Replaces Cashion cap, which received an LOA on 2/7/07 |
| 20003 | 30044 | 50050 | 525 | WFEC | Device - Gypsum Cap 69 kV | regional reliability | 04/01/09 | 04/01/08 | 02/13/08 | \$150,000 | | 12 months | COMPLETE | |
| 20003 | 30079 | 50085 | 525 | WFEC | Device - Carter Cap 69 kV | regional reliability | 06/01/10 | 06/01/10 | 02/13/08 | \$324,000 | | 12 months | ON SCHEDULE <4 | |
| 20003 | 30093 | 50099 | 525 | WFEC | Device - Latta Cap 138 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$324,000 | | 12 months | ON SCHEDULE <4 | |
| 20003 | 30094 | 50100 | 525 | WFEC | Device - Mustang Cap 69 kV | regional reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$162,000 | | 12 months | ON SCHEDULE <4 | |
| 20030 | 30172 | 50180 | 525 | WFEC | Device Eagle Chief 69 kV Capacitor | regional reliability | 06/01/10 | 06/01/09 | 01/27/09 | \$300,000 | | 12 months | DELAY - MITIGATION | Mitigation: Temporary Op Guide provided. |
| 20030 | 30178 | 50186 | 525 | WFEC | Device - Electra 69 kV Capacitor | regional reliability | 06/01/13 | 06/01/13 | 01/27/09 | \$240,000 | | 12 months | ON SCHEDULE >4 | |
| 19986 | 30023 | 50029 | 536 | WR | Device - Parsons | regional reliability | 01/07/08 | 06/01/07 | 02/02/07 | \$949,847 | | 14 months | COMPLETE | |
| 20006 | 30056 | 50062 | 536 | WR | Device - Seneca Cap 115 kV | zonal reliability | 12/01/09 | 06/01/08 | 02/13/08 | \$588,600 | | 18 months | COMPLETE | Second capacitor bank identified for addition of TransCanada load. Required by summer 2010. Addition of Knob Hill - Steele City 115 kV identified for TransCanada. Capacitor bank will be installed at TransCanada. 15 Mvar capacitor bank is installed. |
| 19986 | 30057 | 50063 | 536 | WR | Device - Nortonville 69 kV Cap | regional reliability | 06/01/10 | 06/01/07 | 02/02/07 | \$715,000 | | 18 months | DELAY - MITIGATION | Interim mitigation is to move 3 MW off us Muscotah by re-switching the 34.5 kV system. |
| 20033 | 30060 | 50066 | 536 | WR | Device - Sunset 69 kV Capacitor | zonal reliability | 12/01/09 | 06/01/09 | 01/27/09 | \$1,220,913 | | 18 months | COMPLETE | |
| 19986 | 30082 | 50088 | 536 | WR | Device - 3rd & VanBuren | regional reliability | 06/01/10 | 06/01/11 | 02/02/07 | \$500,000 | | 18 months | ON SCHEDULE <4 | |
| 20006 | 30096 | 50102 | 536 | WR | Device - Eudora Cap 115 kV | zonal reliability | 06/01/12 | 06/01/12 | 02/13/08 | \$580,000 | | 18 months | ON SCHEDULE <4 | |
| 20006 | 30105 | 50111 | 536 | WR | Device - Springhill Cap 115 kV | zonal reliability | 06/01/13 | 06/01/13 | 02/13/08 | \$1,000,000 | | 18 months | ON SCHEDULE >4 | |
| 20033 | 30128 | 50134 | 536 | WR | Device - Rock Creek 69 kV Capacitor | zonal reliability | 06/01/12 | 06/01/09 | 01/27/09 | \$427,000 | | 18 months | RE-EVALUATION | Project is being re-evaluated due to load shifting between substations. |
| 20033 | 30173 | 50181 | 536 | WR | Device - Walnut Street Capacitor | zonal reliability | 12/01/09 | 06/01/09 | 01/27/09 | \$580,000 | | 18 months | ON SCHEDULE <4 | Current plan is to place in service last quarter of 2009. |
| 20059 | 30225 | 50229 | 536 | WR | Device - Allen 69 kV Capacitor | transmission service | 06/01/12 | 06/01/12 | 09/18/09 | \$607,500 | | 12 months | ON SCHEDULE <4 | |
| 20059 | 30226 | 50230 | 536 | WR | Device - Altoona East 69 kV Capacitor | transmission service | 06/01/14 | 06/01/14 | 09/18/09 | \$607,500 | | 18 months | ON SCHEDULE >4 | |
| 20059 | 30227 | 50231 | 536 | WR | Device - Athens 69 kV Capacitor | transmission service | 06/01/13 | 06/01/13 | 09/18/09 | \$607,500 | | 12 months | ON SCHEDULE >4 | |
| 20059 | 30232 | 50243 | 536 | WR | Device - Timber Jct 138 kV Capacitor | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$1,215,000 | | | ON SCHEDULE <4 | 15 Mvar on 138 kV and 15 Mvar on 69 kV |
| 20059 | 30233 | 50244 | 536 | WR | Device - Tioga 69 kV Capacitor | transmission service | 06/01/11 | 06/01/11 | 09/18/09 | \$607,500 | | 12 months | ON SCHEDULE <4 | |