



**SOUTHWEST POWER POOL
TRANSMISSION PROJECT TRACKING
SECOND QUARTER, 2007: BASE PLAN UPGRADES**

**Southwest Power Pool
Transmission Project Tracking
Second Quarter, 2007: Base Plan Upgrades**

Blue	Complete
Green	On Schedule
Yellow	Mitigation Provided
Red	Delayed

Area	Project Name	RTO Reliability Need Date	Cost Estimate	On Schedule	BOD Approved
2006					
AEPW	Line - East Central Henryetta - Okmulgee 138 kV	Apr-06	\$180,000		Attachment Z
AEPW	Line - Okmulgee - Weleetka 138 kV	Apr-06	\$84,000		Attachment Z
AEPW	Device - Arsenal Hill 138 kV	Jun-06	\$432,000		Jan-07
AEPW	Device - Catoosa 138 kV	Jun-06	\$394,000		Jan-07
WFEC	Device - Rush Springs 69 kV	Jun-06	\$90,000		Jan-07
OKGE	Line - Brown - Explorer Tap 138 kV Ckt 1	Jun-06	\$31,518		Jan-07
WERE	Line - Circle - Hutchinson Energy Center 115 kV	Jun-06	\$300,000		Jan-07
WERE	Line - Cities Service - 3rd & VanBuren 69 kV	Jun-06	\$1,700,000		Jan-07
MIPU	Line - Craig Interconnection 161 kV	Jun-06	\$75,000		Jan-07
AEPW	Line - Lone Star South - Pittsburg 138 kV	Jun-06	\$50,000		Jan-07
WERE	Line - Midwest Solvent Jct 1 - Atchison Jct 2 69 kV	Jun-06	\$55,026		Jan-07
OKGE	Line - Reno - Sunny Lane 69 kV	Jun-06	\$67,511		Jan-07
OKGE	Line - Richards Tap - Richards 138 kV	Jun-06	\$2,749,934		Jan-07
OKGE	Line - Van Buren AVEC - VBI 69 kV	Jun-06	\$107,896		Jan-07
WERE	Multi - Morris - McDowell 230 kV	Jun-06	\$6,792,310		Jan-07
SWPS	XFR - Bailey Co 115/69 kV	Jun-06	\$2,476,344		Jan-07
SWPS	XFR - Denver City 115/69 kV	Jun-06	\$2,670,460		Jan-07
SWPS	XFR - Hockley 115/69 kV	Jun-06	\$2,062,000		Jan-07
SWPA	XFR - Norfolk 161/69 kV	Jun-06	\$1,300,000		Jan-07
MIPU	Line - Nevada 161 - Nevada Plant 69 kV	Oct-06	\$536,000		Jan-07
WERE	XFR - Butler 138/69 kV	Nov-06	\$1,621,593		Jan-07
KCPL	Line - Tomahawk - Bendix 161 kV	Dec-06	\$528,600		Jan-07
WERE	Multi - HEC - 43rd & Lorraine - Tower 33 69 kV	Dec-06	\$2,400,000		Jan-07
WERE	Device - Clearwater 138 kV	Dec-06	\$1,000,000		Jan-07
WERE	Device - Udall 2 69 kV	Dec-06	\$525,000		Jan-07
OKGE	Line - NE Enid - Glenwood 138 kV	Dec-06	\$3,882,549		Jan-07
OKGE	Line - Razorback - Short Mountain 69 kV	Dec-06	\$9,600,000		Jan-07
			\$41,711,741		
2007					
WFEC	Device - Pink Southwest 138 kV	Apr-07	\$216,000		Jan-07
WFEC	Device - Snyder 69 kV	Apr-07	\$100,000		Jan-07
AEPW	Line - Tontitown - Elm Springs REC 161 kV	May-07	\$640,000		Jan-07
WFEC	Device - Cashion 69 kV	Jun-07	\$108,000		Jan-07
WFEC	Device - Comanche 138 kV	Jun-07	\$350,000		Jan-07
WERE	Device - NE Parsons 138 kV	Jun-07	\$1,000,000		Jan-07
WERE	Device - Nortonville 69 kV Cap	Jun-07	\$564,000		Jan-07
WERE	Device - Parsons 69 kV	Jun-07	\$525,000		Jan-07
SWPS	Device - San Andress Sub 115 kV	Jun-07	\$750,000		Jan-07
KCPL	Device - South Waverly 161 kV	Jun-07	\$713,000		Jan-07
WERE	Device - Sunset 69 kV	Jun-07	\$550,000		Jan-07
WEPL	Line - Greensburg - Judson Large 115 kV	Jun-07	\$148,000		Jan-07
AEPW	Line - 53rd & Garnett N. Tap - Tulsa Southeast 138 kV	Jun-07	\$63,000		Jan-07
WFEC	Line - ACME - W Norman 69 kV	Jun-07	\$912,000		Jan-07
AEPW	Line - Carthage REC - Carthage T 138 kV	Jun-07	\$1,590,000		Jan-07
AEPW	Line - Elk City - Elk City 69 kV	Jun-07	\$100,000		Jan-07
WERE	Line - Golden Plain - Gatz 69 kV	Jun-07	\$590,000		Jan-07
WERE	Line - Hesston - Golden Plain 69 kV	Jun-07	\$1,250,000		Jan-07
WERE	Line - HTI Junction - Circleville 115 kV	Jun-07	\$2,360,000		Jan-07
AEPW	Line - Knox Lee - Oak Hill #2 138 kV	Jun-07	\$135,000		Attachment Z
MIPU	Line - Lake Road to Industrial Park 161 kV	Jun-07	\$300,000		Jan-07
AEPW	Line - Northwest Texarkana - Alumax Tap 138 kV	Jun-07	\$2,160,000		Jan-07
AEPW	Line - Porter Hill - Elgin Junction 69 kV	Jun-07	\$200,000		Jan-07
EMDE	Line - ReinMiller - Tipton Ford 161 kV	Jun-07	\$3,215,000		Jan-07
AEPW	Line - Siloam Springs - Chamber Springs 161 kV	Jun-07	\$6,627,225		Jan-07
KCPL	Line - Stilwell - Antioch 161 kV	Jun-07	\$963,000		Jan-07
WERE	Line - Stranger Creek - Thornton Street 115 kV	Jun-07	\$2,500,000		Jan-07

SWPS Note 1

SWPS Note 2

WFEC Note 1

WFEC Note 1

SWPS Note 3

WFEC Note 2

AEP Note 1

WERE Note 1

WERE Note 2

AEP Note 2

AEP Note 3

WERE Note 3

OKGE	Line - Wind Farm - Mooreland 138 kV	Jun-07	\$120,000		Attachment Z
WFEC	Line - Wind Farm - Mooreland 138 kV	Jun-07	\$750,000		Attachment Z
SWPS	XFR - Artesia 115/69 kV	Jun-07	\$2,750,000		Jan-07
SWPS	XFR - Carlsbad Int 115/69 kV	Jun-07	\$2,750,000		Jan-07
WERE	XFR - County Line 115/69 kV	Jun-07	\$1,700,000		Jan-07
SWPS	XFR - Crosby Co Int 115/69 kV	Jun-07	\$1,426,786		Jan-07
SWPS	XFR - Curry Co Int 115/69 kV	Jun-07	\$1,000,000		Jan-07
SWPS	XFR - Gaines Co Int 115/69 kV	Jun-07	\$2,750,000		Jan-07
SWPS	XFR - Hale Co 115/69 kV	Jun-07	\$2,900,000		Jan-07
SWPS	XFR - Kress 115/69 kV	Jun-07	\$1,250,000		Jan-07
SWPS	XFR - Lubbock East 115/69 kV	Jun-07	\$2,750,000		Jan-07
GRDA	XFR - Stilwell City 161/69 kV	Jun-07	\$2,200,000		Jan-07
SWPS	XFR - Terry Co 115/69 kV	Jun-07	\$2,375,000		Jan-07
WFEC	Line - Bradley - Rush Springs 69 kV	Dec-07	\$1,656,000		Jan-07
WFEC	Line - Elmore - Wallville 69 kV	Dec-07	\$1,488,000		Jan-07
OKGE	Line - Richards - Piedmont 138 kV	Dec-07	\$3,800,000		Jan-07

SWPS Note 4
SWPS Note 5
WERE Note 4
SWPS Note 6
SWPS Note 7
SWPS Note 8
SWPS Note 9
SWPS Note 10
SWPS Note 11
SWPS Note 12

\$60,295,011

2008

WERE	Device - 3rd & VanBuren 115 kV	Jun-08	\$500,000		Jan-07
SWPS	Device - Bowers 69 kV	Jun-08	\$300,000		Jan-07
AEPW	Line - Bann - Kings Highway 69 kV	Jun-08	\$50,000		Jan-07
MIPU	Line - Blue Springs - Duncan Road 161 kV	Jun-08	\$3,000,000		Jan-07
AEPW	Line - Cache - Snyder 138kV	Jun-08	\$73,348		Attachment Z
WERE	Line - Coffeyville - CRA 69 kV	Jun-08	\$250,000		Jan-07
WERE	Line - Dearing - Coffeyville 69 kV	Jun-08	\$390,000		Jan-07
WFEC	Line - Hamon Butler-Morewood 69 kV	Jun-08	\$3,400,000		Attachment Z
AEPW	Line - Linwood-McWillie 138 kV	Jun-08	\$1,100,000		Attachment Z
WERE	Line - Murry Gill Energy Center - MacArthur 69 kV	Jun-08	\$143,000		Jan-07
AEPW	Line - NW Henderson - Oak Hill 138 kV	Jun-08	\$122,000		Attachment Z
WFEC	Line - Sayre - Morewood 138 kV	Jun-08	\$12,000,000		Jan-07
EMDE	Line - Sub 167 - Riverton - Sub 406 - Riverton S 69 kV	Jun-08	\$20,000		Jan-07
AEPW	Multi - Fayetteville 69 to 161 kV conversion	Jun-08	\$21,000,000		Jan-07
SWPS	XFR - Cochran 115/69 kV	Jun-08	\$2,750,000		Jan-07
WFEC	XFR - Ft Supply 70 MVA	Jun-08	\$2,000,000		Attachment Z
OKGE	XFR - Knob Hill 138/69 kV	Jun-08	\$1,834,568		Attachment Z
SWPS	XFR - Mustang Sta N. 230/115 kV	Jun-08	\$3,000,000		Jan-07
SWPS	XFR - NE Hereford 115/69 kV	Jun-08	\$1,750,000		Jan-07

SWPS Note 13
SWPS Note 14

\$53,682,916

2009+

AEPW	Line - Alumax Tap - Bann	Jun-09	\$1,180,000		Attachment Z
AEPW	Line - South Shreveport - SW Shreveport 138 kV	Jun-10	\$110,000		Jan-07
MIDW	Multi - Knoll - Hays - Vine 115 kV	Jun-10	\$536,000		Jan-07
EMDE	Multi - Riverdale - Ozarks 161 kV	Jun-10	\$14,057,000		Jan-07
AEPW	Device - Hobart 69 kV	Jun-14	\$550,000		Jan-07
AEPW	Line - 36th & Lewis - 52nd & Delaware Tap	Jun-16	\$15,000		Attachment Z
AEPW	Device - Broken Arrow Water 69 kV	Jun-17	\$550,000		Jan-07

\$16,998,000

Total: \$172,687,668

2007, Second Quarter: Base Plan Upgrades

Project Notes:

SWPS Comment - Note 1 - XFR - Bailey Co 115/69 kV - Projected in-service April 2007.

SWPS Comment - Note 2 - XFR - Hockley 115/69 kV - Transformers on order. Projected In-service 12/2007.

SWPS Comment - Note 3 - Device - San Andress Sub 115 kV - Needs further analysis - Seminole project may mitigate - also not SWPS substation, owned by UE.

SWPS Comment - Note 4 - XFR - Artesia 115/69 kV - Needs 69 kV study - new load in area. Autos ok until 2017 w/ switching.

SWPS Comment - Note 5 - XFR - Carlsbad Int 115/69 kV - Need 69 kV study - generator may defer, new load may require 115 kV. No switching available.

SWPS Comment - Note 6 - XFR - Crosby Co Int 115/69 kV - Studies will be conducted to further analyze 69 kV system - alternate solution will likely alleviate overload.

SWPS Comment - Note 7 - XFR - Curry Co Int 115/69 kV - Requires 3rd 40 MVA auto. SWPS does not agree with this recommendation. Will study conversion of 69 kV distribution to 115 kV.

SWPS Comment - Note 8 - XFR - Gaines Co Int 115/69 kV - Studies will be conducted to further analyze 69 kV system - alternate solution will likely alleviate overload.

SWPS Comment - Note 9 - XFR - Hale Co 115/69 kV - Transformer on order.

SWPS Comment - Note 10 - XFR - Kress 115/69 kV - Transformer on order.

SWPS Comment - Note 11 - XFR - Lubbock East 115/69 kV - Transformer being ordered.

SWPS Comment - Note 12 - XFR - Terry Co 115/69 kV - Transformers recently delivered. In svc by 11/2007

SWPS Comment - Note 13 - XFR - Cochran 115/69 kV - Transformer being ordered.

SWPS Comment - Note 14 - XFR - NE Hereford 115/69 kV - Studies will be conducted to further analyze 69 kV system - alternate solution will likely alleviate overload.

AEP Comment - Note 1 - Engineering design has begun, and it is scheduled to be in service by 12/31/2007.

AEP Comment - Note 2 - This project is now in engineering design and is scheduled to be in service by 6/1/2008.

AEP Comment - Note 3 - The Porter Hill station work is scheduled to be in service by 5/1/2007. Engineering design has begun on the Elgin Junction station work, which is scheduled to be in service by 12/31/2007.

WERE Comment - Note 1 - Equipment on order, In Service by 12/07

WERE Comment - Note 2 - Equipment on order, In Service by 12/07

WERE Comment - Note 3 - Scheduled in Service by 6/08

WERE Comment - Note 4 - Load transferred off tertiary

WFEC Comment - Note 1 - Further load shift analyses needs to be conducted to identify mitigation

WFEC Comment - Note 2 - Scheduled in svc by 12/07

2007, Second Quarter: Base Plan Upgrades

Project Status Changes:

OKGE's 'Line - Westmoore-Pennsylvania 138 kV' project has been removed from the Base Plan Upgrade list, as it has been identified as a reliability project driven by the TO's planned Earlywine project. The RTO Reliability Need Date date has shifted from October 2007 to October 2009, so an amended Letter of Authorization has been issued.

OKGE's Line - Etowah-Tribbey 69kV project has been removed from the Base Plan Upgrade list, as it has been cancelled due to a modeling correction.

WERE's 'Multi - Hutchinson 115 kV conversion' project has been removed from the Base Plan Upgrade list, as it has been identified as an Existing Facility under the Tariff.