

**SPP STUDY - GENERIC 230 kV PROJECT**

**SPP STUDY - NW Arkansas 345 kV PROJECT**

**ECONOMIC BENEFITS ESTIMATE USING AEP PROPOSED FLOW-BASED METHOD\***

**ECONOMIC BENEFITS ESTIMATE USING AEP PROPOSED FLOW-BASED METHOD\***

**FOR ILLUSTRATION PURPOSE ONLY**

**FOR ILLUSTRATION PURPOSE ONLY**

ZONE	SUMMER ONLY ENERGY AND CONGESTION COST RELATED ECONOMIC SAVINGS ESTIMATE	ASSUMED AVOIDED / DEFERRED COSTS ASSOCIATED WITH RELIABILITY-BASED PROJECTS	ESTIMATED TOTAL BENEFITS	ALLOCATION OF \$30 MILLION PROJECT COST BASED ON % OF TOTAL BENEFITS
CELE	\$215,070		\$215,070	\$440,204
SWPA	\$166,956		\$166,956	\$341,725
AEP	\$494,892		(\$370,040)	(\$757,395)
GRRD	\$292,334		\$292,334	\$598,347
OKGE	\$265,708		\$265,708	\$543,850
WFEC	(\$502,783)		(\$502,783)	(\$1,029,092)
SWPS	\$41,474		\$41,474	\$84,889
MIDW	\$222,238	\$450,000	\$672,238	\$1,375,933
SUNC	\$62,989	\$2,000,000	\$2,062,989	\$4,222,511
WERE	(\$117,782)	\$7,000,000	\$6,882,218	\$14,086,474
WEPL	\$846,511	\$1,250,000	\$2,096,511	\$4,291,124
MIPU	\$14,630		\$14,630	\$29,945
KACP	\$433,579	\$500,000	\$933,579	\$1,910,843
EMDE	\$701,434		\$701,434	\$1,435,690
SPRM	\$319,824		\$319,824	\$654,614
<b>TOTALS</b>	<b>\$3,457,077</b>	<b>\$11,200,000</b>	<b>\$14,657,077</b>	<b>\$30,000,000</b>

ZONE	SUMMER ONLY ENERGY AND CONGESTION COST RELATED ECONOMIC SAVINGS ESTIMATE	ASSUMED AVOIDED / DEFERRED COSTS ASSOCIATED WITH RELIABILITY-BASED PROJECTS	ESTIMATED TOTAL BENEFITS	ALLOCATION OF \$24 MILLION PROJECT COST BASED ON % OF TOTAL BENEFITS
CLECO	\$210,000		\$210,000	\$146,520
SWPA	\$150,000		\$150,000	\$104,657
AEP	\$2,285,000	\$18,000,000	\$20,285,000	\$14,153,148
GRDA	\$318,000		\$318,000	\$221,873
OKGE	\$746,000	\$2,500,000	\$3,246,000	\$2,264,783
WFEC	\$155,000	\$100,000	\$255,000	\$177,917
SPS	\$790,000		\$790,000	\$551,195
MIDW	\$88,000		\$88,000	\$61,399
SUNF	\$137,000		\$137,000	\$95,587
WESTAR	\$2,900,000	\$500,000	\$3,400,000	\$2,372,231
WEPL	\$221,000		\$221,000	\$154,195
MIPU	\$1,040,000		\$1,040,000	\$725,624
KACP	\$2,110,000	\$1,000,000	\$3,110,000	\$2,169,894
EMDE	\$467,000	\$500,000	\$967,000	\$674,690
SPRM	\$181,000		\$181,000	\$126,286
<b>TOTAL</b>	<b>\$11,798,000</b>	<b>\$22,600,000</b>	<b>\$34,398,000</b>	<b>\$24,000,000</b>

\* Using bi-hourly security-constrained economic dispatch model.

\* Using bi-hourly security-constrained economic dispatch model.