Form EIA-411 for 2005 Released: February 07, 2008

Next Update: October 2008

Table 6. Existing and Proposed High-voltage Transmission Line Additions Filed in Calendar Year 2003, by North American Electric Reliability Council, 2003 Through 2008

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Geographic Area				Voltage		Capacity	In-	Electrical Conn	ection Locations		Line Info	rmation		Cond	uctor Char	acteristics	Circ	cuits	C	ition	
Country	NERC Region	NERC Sub-region	Туре	Operating (kV)	Design (kV)	Rating (MVa)	Service Date	From Terminal	To Terminal	Length (Miles)	Туре	Pole Type	Pole Material	Size (MCM)	Material	Bundling Arrangement	Present	Ultimate	Company Code	Organizational Type	Ownership (Percent)
U	ECAR			230	230	0	May-03		Monocacy - Ringgold	1				0			0	0	88888	0	
U	ECAR ECAR			230 230	230	0	Jun-03		MDM Tap	3.3				0			0	0	88888 88888	0	-
U	ECAR			230	230	0	Nov-03 Dec-03	Dale Summit	Doubs - Ringgold Milesburg - Shinglet	3.3				0			0	0	88888	0	+
Ü	ECAR			230	230	0	May-04	Jewell	Spokane	0				0			0	0	88888	0	
Ü	ECAR			230	230	0	Jun-04		MDM Tap - Montgomery	4				0			0	0	88888	0	
U	ECAR		AC	230	230	1016	Jun-05	Mount Zion (new)	E Danville - Rxbro 1	0.5	OH	T	S	1590		1	2	2	88888	0	
U	ECAR		AC	230	230	1016	Jun-05	Mount Zion (new)	E Danville - Rxbro 2	0.5	OH	Т	S	1590	ACSR	1	2	2	88888	0	
U	ECAR ECAR			230 230	230 230	0	Jun-05 Jun-06	Ridgeville South Frederick	Mt. Airy - Damascus Lime Kiln - Monocacy	0.2				0			0	0	88888 88888	0	<del> </del>
Ü	ECAR			345	345	0	May-02	Lemoyne	Troy Energy CTs	0.2				0			0	0	88888	0	<del> </del>
Ü	ECAR			345	345	0	May-02	North Medina	Carlisle-Star	0.1				0			0	0	88888	0	1
U	ECAR		AC	345	345	2904	Sep-03	Lawrenceburg (new)	Tanners Creek (2 ckt	0.5	OH	T	S	954		2	2	2	88888	0	
U	ECAR		AC	345	345	1452	Apr-04	Hiple	Collingwood	0	OH	T	S	954		2	2	2	88888	0	
U	ECAR		AC	345 345	345 345	1452	Apr-04	Hiple	East Elkhart	0.1	OH	Т	S	954		2	2	2	88888	0	-
U	ECAR ECAR		AC	345	345	1002	Jun-04 Jun-04	Gaines South Berwick (new)	Vergennes - Roosevel Fostoria Central - G	0.1	OH	Т	S	954		2	0	0	88888 88888	0	<del>                                     </del>
Ü	ECAR		AC	345	345	1452	Feb-05	Berrien Energy(new)	Cook - Benton Harbor	0.2	OH	Ť	S	954		2	2	2	88888	0	<del>                                     </del>
Ü	ECAR		AC	345	345	1452	Feb-05	Berrien Energy(new)	Cook - Palisades	0.2	OH	T	S	954		2	2	2	88888	0	
U	ECAR			345	345	0	May-05	Spurlock	Stuart / Zimmer	3.8				0			0	0	5580	0	
U	ECAR ECAR		AC	345	345	1452	Jun-05	Barron Lake (new)	Cook - East Elkhart	0	OH	Ţ	S	954		2	2	2	88888	0	<b></b>
U	ECAR		AC AC	345 345	345 345	1452 999	Jun-05 Jun-05	Barron Lake (new) South Shore (new)	Cook - Kenzie Creek Cook	1.7	OH	T H	S S	954 954		2	2	2	88888 88888	0	
Ü	ECAR		AC	345	345	1452	Jun-05	Terre Coupee (new)	Dumont - Olive	0.2	OH	Ť	S	954		2	2	2	88888	0	
Ŭ	ECAR		AC	345	345	1000	Dec-05	Lima Energy (new)	Southwest Lima	4.5	OH	P	S	1414		1	1	2	88888	0	
U	ECAR		AC	765	765	1500	Jun-03	Cornu (new)	Hanging Rock	1	OH	Т	S	1351		4	1	1	88888	0	
U	ECAR		AC	765	765	4174	Jun-04	Foster Falls (new)	Jacksons Ferry	0.5	OH	T	S	954		4	1	1	88888	0	
U	ECAR ECAR		AC AC	765 765	765 765	2430 3975	Jun-05		Hanging Rock	0.5 90	OH	T	S	1351 795	ACSR ACSR	6	1	1	88888 88888	0	<u> </u>
U	ERCOT		AC	345	345	0	Jun-06 May-06	Wyoming Jacksboro Switch	Jacksons Ferry W. Denton	66	OH	_ '	3	1590		О	2	2	44372	I I1	0
Ü	ERCOT		AC	345	345	0	May-06	Venus	Liggett	30	OH			1590			2	2	44372	11	0
Ü	ERCOT		AC	345	345	0	May-06	Venus	Sherry	7	OH			959.6			2	2	44372	l1	0
U	ERCOT		AC	345	345	0	May-06	W. Levee	Norwood	7	ОН			1590			2	2	44372	l1	0
U	ERCOT		AC	345	345	0	Jun-06	Kendall	Cagnon	63	OH			1590			1	1	16604	M5	0
U	ERCOT ERCOT		AC AC	345 345	345 345	0	Dec-06 May-07	Paris Switch	Anna Trinity	70 13	OH			1590 1590			2	2	44372 44372		0
Ü	ERCOT		AC	345	345	0	Jun-08	Liggett Zorn	Hutto Switch	64	OH			1590			2	2	11269	S1	0
Ŭ	ERCOT		AC	345	345	0	Jun-08	Hutto Switch	Salado	32	OH			1590			2	2	44372	11	0
U	FRCC		AC	230	230	508	Jun-04	Andytown	Pennsuco	2				0			0	0	6452	1	0
U	FRCC		AC	230	230	759	Jun-04	Broward-Corbett	Rainberry-Yamato	11				0			0	0	6452	1	0
U	FRCC		AC	230	230	759	Jun-04	Dade	Overtown	11				0			0	0	6452	1	0
U	FRCC		AC AC	230 230	230 230	1067 668	Jun-04 Jul-04	Whidden Brandy Branch	Vandola Normandy	27 14				0			0	0	6452 9617	1 1	0
Ü	FRCC		AC	230	230	1141	Oct-04	Vandolah	Whidden	14				0			0	0	6455	1	0
U	FRCC		AC	230	230	759	Dec-04		Indiantown	10				0			0	0	6452	1	0
U	FRCC		AC	230	230	1067	Dec-04	Indiantown	Martin #2	13				0			0	0	6452	1	0
U	FRCC		AC	230	230	482	May-05	Northside	Center Park	11				0			0	0	9617	1 1	0
U	FRCC		AC AC	230 230	230	668 668	May-05 May-05	Westlake Westlake	Normandy St. Johns River Powe	22				0	-	-	0	0	9617 9617	1 1	0
U	FRCC		AC	230	230	759	Jun-05	Conservation	Oakland Park	13				0		<del>                                     </del>	0	0	6452	1	0
Ü	FRCC		AC	230	230	1348	Jun-05	Pebbledale	Twilight	12				0			0	0	18454	1	0
U	FRCC		AC	230	230	759	Dec-05	Collier	Orange River #3	54				0			0	0	6452	1	0
U	FRCC		AC	230	230	798	Dec-05	Clay Keystone Height	Clay TP-8	13				0			0	0	21554	1	0
U	FRCC		AC	230	230	1348	Jun-06	Twilight	Hampton	10				0	<u> </u>		0	0	18454	1	0
U	FRCC		AC AC	230 230	230 230	1141 1141	Oct-06 Oct-06	Lake Bryan Lake Bryan	Windermere #1 Windermere #2	10				0	-	-	0	0	6455 6455	1	1 0
Ü	FRCC		AC	230	230	1141	May-07	Hines Energy Complex		21				0	<del>                                     </del>		0	0	6455	<del>                                     </del>	0
Ü	FRCC		AC	230	230	1013	Jun-07	Davis	Chapman	8				0		1	0	0	18454	1	0
U	FRCC		AC	230	230	1348	Jun-07	Hampton	Wheeler	10				0			0	0	18454	1	0
U	FRCC		AC	230	230	1141	Apr-08	Intercession City	Gifford	10				0			0	0	6455	1	0
U	FRCC		AC	230	230	759	Jun-08	West Palm Coast	St. Johns	23				0			0	0	6452	1 1	0
U	FRCC		AC AC	230 230	230	1013 1348	Jun-08 Jun-08	Davis Wheeler	Wilderness Davis	13 13				0		-	0	0	18454 18454	1 1	0
U	FRCC		AC	230	230	1141	May-09		West Lake Wales #2	21				0			0	0	6455	1	0
Ü	FRCC		AC	230	230	1141			West Lake Wales #1	30				0	<del>                                     </del>	1	0	0	6455	1 1	<u> </u>

U FRCC	AC	230	230	1141	Jun-10 Intercession City	West Lake Wales #2	30				0			0	0	6455	11	0
U MAAC	AC	230	230	650	Jun-04 Cardiff	Oyster Creek	44	OH	P	S	1590	ACSR	1	1	2	-1003	I1	0
U MAAC	AC	230	230	750	Jun-06 Milford	Indian River	47	OH	Т	S	1590	ACSR	1	1	1	-1003	I1	0
U MAAC	AC	230	230	750	Jun-06 Red Lion	Milford	43	OH	T	S	1590	ACSR	1	1	1	-1003	I1	0
U MAIN	AC	345	345	700	Jun-04 Garfield	Taylor	6.3	UG			2500	CU		0	0	4110	I1	0
U MAIN	AC	345	345	1195	Dec-04 Illinois Border	Wempletown	11	OH	Р	S	2156		1	1	2	659	01	n
U MAIN	AC	345	345	1195	Dec-04 Paddock	Illinois Border	1	OH	P	S	2156		1	1 1	2	659	01	0
							4 40		P				2					0
U MAIN	AC	345	345	1200	Jun-06 Weston	Stone Lake	140	OH	Р	S	954		2	1	1	659	01	0
U MAIN	AC	345	345	0	Dec-06 Callaway	Franks	60	OH			0			0	0	19436	l1	0
U MAIN	AC	345	345	0	Jun-07 Cahokia	Dupo	8	OH			0			0	0	19436	I1	0
U MAIN	AC	345	345	0	Jun-07 Loose Creek	Jefferson City	15	OH			0			0	0	19436	l1	0
U MAIN	AC	345	345	1200	Jun-08 Minnesota Border	Stinson	9	OH	Р	S	1272	ACSR	2	1	1	659	01	0
U MAIN	AC	345	345	1200	Jun-08 Stone Lake	Stinson	60	OH	P	S	954		2	1	1	659	01	0
	AC	345							P					2	2			0
U MAIN			345	0	Jun-08 Baldwin Power Plant	Prairie State PP Sub	1.5	OH		S	0					9208	<u>[1</u>	0
U MAIN	AC	345	345	0	Jun-08 Baldwin Power Plant	Prairie State PP Sub	7.5	OH	P	S	0			2	2	9208	l1	0
U MAIN	AC	345	345	0	Jun-08 Baldwin Power Plant	Rush Island Substati	26	OH	P	S	0			1	2	9208	19	9
U MAIN	AC	345	345	0	Jun-08 Prairie State PP Sub	Stallings Substation	7.5	OH	Р	S	0			2	2	9208	11	0
U MAIN	AC	345	345	0	Jun-08 Prairie State PP Sub	W. Mount Vernon Subs	1.5	OH	P	S	0			2	2	9208	l1	0
U MAIN	AC	345	345	1446	Jun-09 Morgan	Werner West	47	OH	P	S	2156	ACSR	1	1	1	659	01	0
	AC	345	345	1328			30	OH	P	S				1	2	659	01	<u> </u>
					Jun-09 Rockdale	Concord					2156		<del>                                     </del>		4			0
U MAIN	AC	345	345	1100	Jun-09 Rockdale	West Middleton	35	OH	P	S	2156		1	1	1	659	01	0
U MAIN	AC	345	345	1328	Jun-09 Weston	Central Wisconsin	50	OH	Р	S	2156		11	1	1	659	01	0
U MAPP	AC	115	115	373	Oct-04 19th & Alvo	NW 12th & Arbor	3.5	OH	P	S	0	ACSR	2	0	2	11018	M1	0
U MAPP	AC	115	115	0	Oct-04 Rogers Lake	Red Rock	6.5	OH			0			0	0	13781	I1	0
U MAPP	AC	115	115	0	Nov-04 Lake Yankton	Lyon County	29	OH			0			0	0	13781	11	0
U MAPP	AC	115	115	0	May-06 Air Lake	Vermillion River	2.75	OH			0		<b> </b>	0	0	13781	ii	1 0
U MAPP	AC	115	115	373	Jun-06 NW 68th & Holdrege	NW 12th & Arbor	11	OH	Р	S	0		2	0	2	11018	M1	0
							- 17						_					0
U MAPP	AC	115	115	373	Oct-06 40th & Yankee Hill	40th & Rokeby	1	OH	Р	S	0	ACSR	2	0	2	11018	M1	0
U MAPP	AC	115	115	0	Jun-07 Buffalo Rodge	White	26	OH			0		l	0	0	13781	I1	0
U MAPP	AC	115	115	0	Jun-07 Chanarambie	Nobles County	25	OH			0			0	0	13781	I1	0
U MAPP	AC	115	115	0	Dec-07 Lakefield Gen	Watonwan Jct	12	OH			0			0	0	13781	I1	0
U MAPP	AC	161	161	0	Apr-06 Lakefield Gen	Fox Lake	25	OH			0			0	0	13781	l1	0
U MAPP	AC	161	161	300	Dec-08 Marshland	La Crosse Tap	23.4	23	Р	W	954		1	1	1	4716	C1	<u> </u>
U MAPP	AC	161	161	300	Dec-09 Apple River	Chisago	42	40	P	W	954		<del>'</del>	0	2	4716	C5	- U
U MAPP									P		954 954		1	1	4			1
	AC	161	161	300	Dec-10 Marshland	Alma	25.4	25		W			1	1	1	4716	C1	0
U MAPP	AC	345	345	1736	Sep-06 Council Bluffs	Grimes	15	OH	P	S	2	710011	2	1	1	12341	O6	0
U MAPP	AC	345	345	1736	Sep-06 Council Bluffs	Grimes	109	OH	Р	S	2	ACSR	2	2	2	12341	06	0
U MAPP	AC	345	345	0	Oct-07 Split Rock	Lakefield Jct.	95	OH			0			0	0	13781	I1	0
U MAPP	AC	345	345	1088	Jun-08 NW 68th & Holdrege	128th & Adams	28.2	OH	Р	S	0	ACSR	2	0	2	11018	M1	0
U MAPP	AC	345	345	800	Jul-08 Arrowhead	MN-WI State Line	12.44	OH	Р	S	1272		2	1	2	12647	I1	0
U MAPP	AC	345	345	0	Apr-09 Sub 3458	Under Plan	68	OH	P					0	0	14127	S1	0
U NPCC NY	AC	230	230	0	Mar-06 Liberty (Linden, NJ)	Goethals	00	UG			0			4	4	22600	 I1	0
				_			1				-				- 1			0
U NPCC NY	DC	250	250	0	Mar-05 Sayerville (New Stat	W. 49th Street	36	UG			0			1	1	88888	I1	0
U NPCC NY	AC	345	345	0	Mar-05 Bergen (New Station,	W. 49th Street	8	UG			0			2	2	34600	I1	0
U NPCC NY	AC	345	345	0	Jul-07 Mott Haven	Dunwoodie	10	UG			2000	CU		2	2	4226	I1	0
U NPCC NY	AC	345	345	0	Jul-07 Mott Haven	Rainey	4	UG			2000	CU		2	2	4226	l1	0
U SERC VAC	AC	230	230	960	Jan-04 Jasper County	Purrysburg	- 1	OH	Р	S	1272		2	1	1	17539	I1	0
U SERC VAC	AC	230	230	960	Jan-04 Yemassee	Jasper County	37	OH	Р	S	1272	ACSR	2	1	1	17539	I1	0
U SERC VAC	AC	230	230	960	Jan-04 Yemassee	Yemassee	31	OH	P	S	1272		2	+ +	4	17539	11 11	0
							. 2						- Z					0
U SERC SOU	AC	230	230	602	Mar-04 CLERMONT JCT.	Middle Fork	19	OH	Н	S	1351	ACSR	1	1	1 1	7140	<u>[1</u>	0
U SERC SOU	AC	230	230	664	Apr-04 Holcomb Bridge	Martins Landing	3	OH	P	S	1622		1	1	1	7197	I1	0
U SERC SOU	AC	230	230	502	May-04 Pike County	Pinckard	0	OH	Т	S	1033	ACSR	11	1	1	195	I1	0
U SERC SOU	AC	230	230	502	May-04 Pike County	Snowdoun	0	OH	Т	S	1033	ACSR	1	1	1	195	I1	0
U SERC SOU	AC	230	230	664	May-04 GLAZE DRIVE	HOLCOMB BRIDGE	2	OH	P	S	1622		1	1	1	7140	Ĭ1	0
U SERC SOU	AC	230	230	602	May-04 Big Shanty	McConnell Road	۵	OH	P	S	1351		1	1	1	7197	I1	0
U SERC VAC	AC	230	230	480	May-04 Big Sharty May-04 Hopkins	Hopkins Tap	4	OH	P	S	1272		1	1	1	17539	11 11	0
							1							1 1	<del>                                     </del>			1
U SERC SOU	AC	230	230	866	Jun-04 Yellowdirt	Hickory Level	31	OH	H	S	795		2		1 1	7197	<u> </u>	0
U SERC VAC	AC	230	230	557	Jun-04 Ernest Switching Sta	Sadler Tie	13	OH	T	S	1272		2	1	2	5416	I1	0
U SERC SOU	AC	230	230	485	Apr-05 Georgetown DS	Georgetown Tap	1	OH	Т	S	1351		1	1	1	195	I1	0
U SERC SOU	AC	230	230	602	May-05 Snowdoun	Madison Park	31	OH	T	S	1351	ACSR	1	1	1	195	I1	0
U SERC VAC	AC	230	230	796	May-05 Brambleton	Beaumead	11	OH	Р	S	636		2	1	2	19876	I1	0
U SERC VAC	AC	230	230	797	May-05 Chickahamony	Lanexa	14	OH	T	S	636		2	2	2	19876	11	0
U SERC VAC	AC	230	230	797		West Landing	- 14	OH	P	S	477		2	1	1	19876	11 11	0
													_					<u> </u>
U SERC VAC	AC	230	230	600	May-05 Navy South	Navy North	2	UG	U	0	2500		2	2	2	19876	<u> 11</u>	0
U SERC ENT	AC	230	230	884	Jun-05 China	Porter	63	OH	P	В	954	ACSR	2	2	2	-19	I1	0
U SERC ENT	AC	230	230	521	Jun-05 Rankin	South Jackson	18	OH	Р	S	1272		11	2	2	-19	I1	0
U SERC SOU	AC	230	230	602	Jun-05 CLERMONT JCT	SOUTH HALL	18	OH	Н	S	1351	ACSR	1	1	1	7140	I1	0
U SERC SOU	AC	230	230	602	Jun-05 DAVIS STREET	EAST POINT	12	OH	Р	S	1351	ACSR	1	1	1	7140	I1	0
U SERC SOU	AC	230	230	602	Jun-05 Dean Forest	Little Ogeechee	n	OH	H	S	1351	ACSR	1	1	1	16687	I1	0
U SERC VAC	AC	230	230	628	Jun-05 Darlington County	Florence	32	OH	H	W	1590		1	1	1	3046	11	1 0
U SERC VAC	AC	230	230	608	Jun-05 Danington County  Jun-05 Fentress	Shawboro	28	OH	P	S	636		1	1	- 1	19876		0
					***************************************		28						<del></del>		-			0
U SERC SOU	AC	230	230	807	Nov-05 Farley N.P.	Cottonwood T.S.	0	OH	T	S	1351	OT	11	1	1	195	<u>  [1</u>	0
U SERC SOU	AC	230	230	807	Nov-05 Sinai Cemetery (Scho	Cottonwood T.S.	0	OH	T	S	1351		1	1	1	195	I1	0
						Panama	4.0	OII	P	S	1780	ACSR	1	1	1	-19	11	0
U SERC ENT	AC	230	230	640	Dec-05 Conway	Panama	10	OH	P		1700	ACSK	<u> </u>	'		-19	<u>_</u>	

						In .								,				
U SERC VAC	AC	230	230	956	Jan-06 Dalzell	Camden	20	OH	P	S	1272		2	1	1	17543	I1	0
U SERC VAC	AC	230	230	515	May-06 Clark	ldylwood	4	OH	P	S	1192		1	2	2	19876	I1	0
U SERC ENT	AC	230	230	521	Jun-06 Lakeover	Mansdale	13	OH	P	S	1272		1	2	2	-19	l1	0
U SERC ENT	AC	230	230	1042	Jun-06 Ninemile	Waggaman	9	OH	T	В	1272	ACSR	2	2	2	-19	I1	0
U SERC ENT	AC	230	230	1042	Jun-06 Waggaman	Waterford	23	OH	T	В	1272	ACSR	2	2	2	-19	I1	0
U SERC SOU	AC	230	230	602	Jun-06 Dresden	South Coweta	25	OH	P	W	1351	ACSR	1	1	1	7197	I1	0
U SERC VAC	AC	230	230	628	Jun-06 Clinton	Lee	26	OH	Р	S	1590	ACSR	1	1	1	3046	I1	0
U SERC SOU	AC	230	230	602	Sep-06 CEDARTOWN	ARAGON	15	OH	H	S	1351	ACSR	1	1	1	7140	I1	0
U SERC VAC	AC	230	230	956	Sep-06 Cross		35	OH	P	S	1272		,	2	2	17543	11	0
						Kingstree No 2			T				2					0
U SERC VAC	AC	230	230	797	Nov-06 Midlothian	Winterpock	11	OH		S	636		2	2	2	19876	<u>                                      </u>	0
U SERC ENT	AC	230	230	640	Dec-06 Coly	Hammond	20	OH	P	S	1780		1	1	1	-19	l1	0
U SERC ENT	AC	115	230	261	Dec-06 Hammond	Amite	18	OH	Н	S	1468	ACSR	1	1	1	-19	l1	0
U SERC ENT	AC	230	230	640	Dec-06 Panama	Dutch Bayou	26	OH	Р	S	1780	ACSR	1	1	1	-19	I1	0
U SERC VAC	AC	230	230	956	Dec-06 Hemingway	Red Bluff	43	OH	P	S	1272	ACSR	2	1	1	17543	I1	0
U SERC SOU	AC	230	230	306	Apr-07 Ashland T.S.	Gaston S.P.	0	OH	Т	S	1351		1	1	1	195	l1	0
U SERC SOU	AC	230	230	306	Apr-07 Ashland T.S.	Roopville	0	OH	Ť	S	1351		1	1	1	195	I1	0
U SERC SOU	AC	230	230	485		County Line Road TS	1	OH	Ť	S	1351		1	+ ;	1	195	11	0
		230	230		May-07 Prattville CT TS		12		P	S			2	1	+			0
	AC			800	May-07 Pleasant View	Hamilton		OH			636				1	19876		0
U SERC ENT	AC	230	230	884	Jun-07 Cypress	Jacinto	31	OH	P	В	954		2	2	2	-19	I1	0
U SERC ENT	AC	230	230	884	Jun-07 Jacinto	Lewis Creek	29	OH	P	В	954		2	2	2	-19	l1	0
U SERC ENT	AC	230	230	521	Jun-07 Yandel	Bozeman	4	OH	Р	S	1272		1	1	1	-19	l1	0
U SERC SOU	AC	230	230	664	Jun-07 CUMMING	SHOAL CREEK	10	OH	Н	S	1622	ACSR	1	1	1	7140	I1	0
U SERC SOU	AC	230	230	602	Jun-07 HOPEWELL	MCGRAW FORD	35	OH	P	S	1351		1	1	1	7140	I1	0
U SERC SOU	AC	230	230	866	Jun-07 Anthony Shoals	Evans	42	OH	H	S	795	ACSR	2	1	1	7197	11	0
U SERC SOU	AC	230	230	602			19	OH	H	S	1351		1	1	1	7197		<del>                                     </del>
					Jun-07 McGraw Ford	Cumming	19						1					1 0
U SERC SOU	AC	230	230	417	Jun-07 Fort Valley Tap	Fort Valley #1	. 8	OH	Р	S	795		1	0	2	13100	l1	0
U SERC VAC	AC	230	230	628	Jun-07 Florence	Marion	26	OH	Р	S	1590		1	1	1	3046	I1	0
U SERC VAC	AC	230	230	628	Jun-07 Kinston DuPont	Greenville	30	OH	Р	S	1590		1	0	1	3046	l1	0
U SERC VAC	AC	230	230	688	Jun-07 Marion	Whiteville	43	OH	Н	W	1590	ACSR	1	1	1	3046	I1	0
U SERC VAC	AC	230	230	956	Jun-07 Mateeba	Johns Island No 2	15	OH	Р	S	1272	ACSR	2	1	1	17543	I1	0
U SERC ENT	AC	230	230	521	Dec-07 Mabelvale	Little Rock South	11	OH	P	В	1272		1	1	1	-19	I1	0
U SERC SOU	AC	230	230	502	Dec-07 Turf Club T.S.	Boyles T.S.	- 11	OH	Ť	S	1033		1	1	1	195	11	0
							0		Ť					1				0
U SERC SOU	AC	230	230	502	Dec-07 Turf Club T.S.	Gaston S.P.	- 0	OH		S	1033		1		1	195	<u>                                      </u>	0
U SERC VAC	AC	230	230	398	Dec-07 Fredericksburg	Possum point	24	OH	P	S	721		2	2	2	19876	I1	0
U SERC VAC	AC	230	230	628	Jun-08 Cape Fear	Siler City	30	OH	Ι	W	1590	ACSR	1	1	1	3046	l1	0
U SERC SOU	AC	230	230	502	Sep-08 Alexander City SS	Danway SS	0	OH	T	S	1351	ACSR	1	1	1	195	l1	0
U SERC SOU	AC	230	230	485	Sep-08 Alexander City SS	North Opelika TS	0	OH	Т	S	1351	ACSR	1	1	1	195	I1	0
U SERC SOU	AC	230	230	485	Sep-08 Gaston S.P.	Alexander City SS #1	0	OH	Т	S	1351	ACSR	1	1	1	195	l1	0
U SERC SOU	AC	230	230	485	Sep-08 Gaston S.P.	Alexander City SS #2	0	OH	Ť	S	1351	ACSR	1	1	1	195	I1	0
U SERC VAC	AC	230	230	956	Jan-09 Cross	Aiken	88	OH	P	S	1272			+ 1	1	17543	11	0
					***************************************								2				**	0
U SERC SOU	AC	230	230	866	Jun-09 Bio	Center	36	OH	Н	S	795		2	1	1	7197	I1	0
U SERC SOU	AC	230	230	866	Jun-09 Bio	Middlefork	30	OH	Н	S	795		2	1	1	7197	l1	0
U SERC SOU	AC	230	230	602	Jun-09 Deshong	Ponce De Leon	15	OH	Ρ	S	1351	ACSR	1	1	1	7197	I1	0
U SERC VAC	AC	230	230	956	Jun-09 Flat Creek	Indian Creek	23	OH	Р	S	1272	ACSR	2	1	1	17543	l1	0
U SERC VAC	AC	230	230	956	Dec-09 Kingstree	Lake City	13	OH	Р	С	1272	ACSR	2	1	1	17543	l1	0
U SERC ENT	AC	230	230	521	Jun-10 Froscraft	Sterlington	29	OH	Р.	č	1272		1	1	1	-19	i1	0
U SERC ENT	AC	230	230	521	Jun-10 Getwell	Batesville	42	OH	P	S	1272		1	1	1	-19	11	0
							42		P					+ - ; -			**	0
U SERC ENT	AC	230	230	521	Jun-10 Rilla	Froscraft		OH		C	1272		1	1 1	1	-19	<u> </u>	0
U SERC ENT	AC	230	230	521	Jun-10 Selman Field	Rilla	11	OH	P	В	1272		1	1	1	-19	I1	0
U SERC ENT	AC	230	230	521	Jun-10 Sterlington	Selman Field	16	OH	P	В	1272		1	1	1	-19	l1	0
U SERC ENT	AC	230	230	884	Jun-11 Porter	Lewis Creek	28	OH	Р	В	954	ACSR	2	2	2	-19	l1	0
U SERC ENT	AC	230	230	521	Jun-11 Winfield	Danville	21	OH	P	В	1272	ACSR	1	1	1	-19	I1	0
U SERC SOU	AC	230	230	807	Jun-11 Smith	Laguna Beach	14	OH	Р	S	1351	OT	1	2	2	7801	I1	0
U SERC SOU	AC	230	230	602	Jun-11 Kiln	Picayune	13	OH	H	Č	1351	ACSR	1	1	1	12686	ii	0
U SERC SOU	AC	230	230	580	Jun-11 Raccoon Creek	East Moultrie	28	OH	P	S	1351		1	0	1	13100	11	1 0
		230					15						1	1	+	7197		<del>                                     </del>
	AC		230	602	Jun-12 Beulah	Hickory Level		OH	H	W	1351				1			0
U SERC SOU	AC	230	230	602	Jun-12 Beulah	Portland	26	OH	H	W	1351	ACSR	1	1	1	7197	<u>  [1</u>	0
U SERC SOU	AC	230	230	602	Jun-12 East Dallas	McConnell Road	8	OH	Н	W	1351	ACSR	1	1	1	7197	l1	0
U SERC SOU	AC	230	230	602	Jun-12 McConnell Road	Portland	25	OH	Η	W	1351	ACSR	1	1	1	7197	l1	0
U SERC SOU	AC	230	230	602	Jun-12 Villa Rica	East Dallas	14	OH	P	S	1351	ACSR	1	1	1	7197	I1	0
U SERC SOU	AC	230	230	807	Jun-12 Alligator Swamp	Shoal River	40	OH	Р	S	1351		1	1	1	7801	l1	n
U SERC SOU	AC	230	230	807	Jun-12 Crist	Alligator Swamp	4	OH	T	S	1351	OT	1	2	2	7801	ii	0
U SERC SOU	AC	230	230	403		Crystal Beach	35	OH	P	S	1351	OT	1	1	1	7801	11	- 0
U SERC SOU				2840			30		<del>-</del>		954		3	1		-19	11 11	+ Š
	AC	500	500		Jun-06 Perryville	Sterlington	6	OH	<u> </u>	S			_		1			1 0
U SERC TVA	AC	500	500	2598	Jun-06 Cumberland	Montgomery	36	OH	Γ	S	954		3	1	1	18642	I1	0
U SERC ENT	AC	500	500	2598	Dec-06 Bogue Chitto	Bogalusa	12	OH	T	S	954		3	1	1	-19	l1	0
U SERC ENT	AC	500	500	2598	Dec-06 Bogue Chitto	Franklin	12	OH	T	S	954		3	1	1	-19	I1	0
U SERC VAC	AC	500	500	2600	May-07 Morrisville	Brister	9	OH	Т	S	1033	ACSR	3	1	1	19876	I1	0
U SERC SOU	AC	500	500	3429	Jun-07 MCGRAU FORD	MOSTELLAR SPRINGS	35	OH	Т	S	1113	ACSR	3	1	1	7140	l1	n
U SERC SOU	AC	500	500	3429	Dec-09 Augusta	Wadley	45	OH	÷	S	1113	ACSR	3	1	1	7197	11	1 0
U SERC VAC	AC	500	500	2600	May-12 Joshua Falls ( AEP)	Lady Smith	85	OH	÷	S	1033	ACSR	3	1	1	19876	11 11	- 0
							80											1
U SPP	AC	230	230	400	Jun-04 Lubbock South Intg	Southeast Substation	3	OH	P	S	759		1	1	1	11292	M1	0
U SPP	AC	230	230	558	Jun-04 Amarillo South Intg.	Nichols Station	6	OH	P	S	795		1	1	1	17718	I1	0
			230	558	Jun-04 Amarillo South Intg.	Switsher Co. Intg.		OH	Р	S	795	ACSR	1 1	1		17718	11	0
U SPP	AC	230	230	336	Jun-04 Amanilo South intg.	Switsher Co. Intg.	6	On	Р		1 33	ACOR				1//10		- 0

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U SPP	AC	230	230	558	Dec-04 Seven Rivers Intg.	Potash Jct.	34	OH	H	W	795		1	1	1	17718	<u>  [1</u>	0
U SPP	AC	345	345	558	Dec-04 Eddy Co. Intg	Seven Rivers Intg.	25	OH	H	W	795		1		1	17718	<u>  [1</u>	0
U SPP	AC	345	345	1653	Dec-04 Finney Co. Sw Sta.	Lamar Interchange	106	OH	H	W	795		2	1	1	17718	<u>   1</u>	0
U SPP	AC	345	345	896	Jun-07 Chamber Springs	Tontitown	14	OH	P	C	795		2	1	1	17698	<u>  [1</u>	0
U SPP	AC	345	345	896	Jun-10 Flint Creek	East Centerton	17	OH	Р	С	795	ACSR	2	1	1	17698	<u>   1</u>	0
U WECC NWP	AC	230	230	0	Feb-04 Point of Rocks WY	Rock Springs WY	26	OH			0			0	0	14354		0
U WECC AZN	AC	230	230	0	Mar-04 Shiprock NM	Four Corners NM	-8	OH			0			0	0	27000	1	0
U WECC NWP	AC	230	230	0	Mar-04 Monument WY	Craven Creek WY	18	OH			0			0	0	14354	11	0
U WECC AZN	AC	230	230	0	Apr-04 Winchester AZ	Apache AZ	21	OH			0			0	0	24211	1	0
U WECC NWP	AC	230	230	0		Middleton ID	5	OH			0			0	0	9191	1	0
U WECC RMP	AC	345	230	0	May-04 Green Valley CO	Spruce #2 CO	19	OH			0			0	0	15466	1	0
U WECC AZN	AC	230	230	0	Jun-04 Hoover AZ	Mead AZ	5	OH			0			0	0	27000	1	0
U WECC RMP	AC	230	230	0	Sep-04 Wolcott Tap CO	Steamboat #2 CO	16	OH			0			0	0	15466	1	0
U WECC NWP	AC	230	230	0	Oct-04 Boise ID	Middleton ID	14	OH			0			0	0	9191	1	0
U WECC NWP	AC	230	230	0	Apr-05 Boise ID	Midpoint ID	-105	OH			0			0	0	9191	1	0
U WECC NWP	AC	230	230	0	Apr-05 Boise ID	Mountain Home ID	39	OH			0			0	0	9191	1	0
U WECC NWP	AC	230	230	0	Apr-05 Mountain Home ID	Midpoint ID	66	OH			0			0	0	9191	1	0
U WECC NWP	AC	230	230	0	Apr-05 Mountain Home ID	Mountain Home ID	4	OH			0			0	0	9191	1	0
U WECC CNV	AC	230	230	0	May-05 Dublin CA	Livermore CA	8	OH			0			0	0	14328	1	0
U WECC NWP	AC	230	230	0	May-05 Nampa ID	Nampa ID	3	OH			0			0	0	9191	1	0
U WECC RMP	AC	230	230	0		Arapahoe CO	7	OH			0			0	0	15466	1	0
U WECC RMP	AC	345	230	0	May-05 Midway CO	Daniels Park #1 CO	70	OH			0			0	0	15466	1	0
U WECC RMP	AC	345	230	0	May-05 Midway CO	Daniels Park #2 CO	70	OH			0			0	0	15466	1	0
U WECC RMP	AC	230	230	0	May-05 Midway CO	Daniels Park CO	-70	OH			0			0	0	15466	1	0
U WECC CNV	AC	230	230	0	Sep-05 Redwood City CA	Daly City CA	27	OH			0			0	0	14328	1	0
U WECC NWP	AC	230	230	0	Nov-05 Sherwood OR	Beaverton OR	5	OH			0			0	0	15248	1	0
U WECC AZN	AC	230	230	0		Northwest NV	41	OH			0			0	0	13407	1	0
U WECC AZN	AC	230	230	0	Dec-05 Gladstone NM	Walsenburg CO	113	OH			0	1		0	0	30151	1	0
U WECC NWP	AC	230	230	0	Dec-05 rathdrum ID	Beacon WA	25	OH			0			0	0	20169	<del></del>	, o
U WECC RMP	AC	230	230	0	Dec-05 Car Draw WY	Hartzog WY	43	OH			0			0	0	1307	<del></del>	0
U WECC RMP	AC	230	230	0	Dec-05 Teckla WY	Hartzog WY	28	OH			0			0	0	1307	1	0
U WECC CNV	AC	230	230	0	May-06 Contra Costa CA	Las Positas CA	22	OH			0			0	0	14328	1	0
U WECC AZN	AC	230	230	0	Jun-06 Phoenix AZ	Phoenix AZ	14	OH			0			0	0	803	1	0
U WECC AZN	AC	230	230	0	Jun-06 Diamond NV	Mead NV	44	OH			0			0	0	13407	1	0
U WECC AZN	AC	230	230	0	Jun-06 Diamond NV	Table Mountain NV	44	OH			0			0	0	13407	1	0
				-			4				0			_	-		1	0
5 11255 5111	AC	230	230	0	Jun-06 San Diego CA	San Diego CA	35	OH			ò			0	0	16609		0
U WECC RMP	AC	230	230	0	Jun-06 Nixon CO	Kelker CO	14	OH			0			0	0	3989		0
U WECC AZN	AC	230	230	0	Oct-06 Stirling NV	Northwest NV	10	OH			0			0	0	13407	1	0
U WECC CNV	AC	230	230	0	Dec-06 East AltamontCA	Westley CA	15	OH			0			0	0	27000		0
U WECC CNV	AC	230	230	0	Dec-06 Tracy CA	East Altamont CA	14	OH			0			0	0	27000	11	0
U WECC CNV	AC	230	230	0	Dec-06 Tracy CA	Westley CA	-29	OH			0			0	0	27000	1	0
U WECC NWP	AC	230	230	0	Dec-06 Benewah ID	Shawnee WA	60	OH			0			0	0	20169	1	0
U WECC AZN	AC	230	230	0	Jun-07 West Phoenix AZ	West Phoenix AZ	20	OH			0			0	0	803	1	0
U WECC AZN	AC	230	230	0	Jun-07 West Phoenix AZ	West Phoenix AZ	20	OH			0			0	0	803	1	0
U WECC NWP	AC	230	230	0	Jun-07 Covington WA	Berrydale WA	10	OH			0			0	0	15500	1	0
U WECC NWP	AC	230	230	0	Nov-07 Carver OR	Oregon City OR	5	OH			0			0	0	15248	1	0
U WECC AZN	AC	230	230	0	Apr-08 Mesa AZ	Queen Creek AZ	12	OH			0			0	0	16572	1	0
U WECC AZN	AC	230	230	0	May-08 Coachella Tap CA	Indio CA	5	OH			0			0	0	9216	1	0
U WECC AZN	AC	230	230	0	Jun-08 Peoria AZ	Pioneer AZ	9	OH			0			0	0	803	1	0
U WECC AZN	AC	230	230	0	Jun-08 West Phoenix AZ	West Phoenix AZ	15	OH			0			0	0	803	1	0
U WECC NWP	AC	230	230	0	Nov-08 Pearl OR	Sherwood OR	4	OH			0			0	0	15248	1	0
U WECC AZN	AC	230	230	0	Jun-09 Phoenix AZ	Phoenix AZ	16	OH			0			0	0	803	1	0
U WECC NWP	AC	230	230	0	Nov-09 Gresham OR	Troutdale OR	9	OH			0			0	0	15248	1	0
U WECC AZN	AC	230	230	0	Dec-09 Vista NV	Pahrump NV	11	OH			0			0	0	13407	1	0
U WECC RMP	AC	230	230	0	Dec-09 Walsenburg CO	San Luis Valley CO	80	OH			0			0	0	30151	1	0
U WECC AZN	AC	230	230	0	Jun-10 Gila Bend AZ	Yuma AZ	115	OH			0			0	0	803	1	0
U WECC AZN	AC	230	230	0	Jun-10 Phoenix AZ	Phoenix AZ	7	OH			0			0	0	803	1	0
U WECC AZN	AC	230	230	0	Jun-13 Phoenix AZ	Phoenix AZ	11	OH			0			0	0	803	1	0
U WECC AZN	AC	345	345	0	Mar-04 Greenlee AZ	Vail AZ	-75	OH			0			0	0	24211	1	0
U WECC AZN	AC	345	345	0	Mar-04 Greenlee AZ	Winchester AZ	45	OH			0			0	0	24211	1	n n
U WECC AZN	AC	345	345	0		Vail AZ	31				0			0	0	24211	1	0
U WECC AZN	AC	345	345	0	Mar-04 Shiprock NM	Four Corners NM	A SI	OH			0			0	0	27000	1	0
U WECC NWP	AC	345	345	0	May-04 Dunphy NV	Ely NV	180	OH			0			0	0	17166	1	0
U WECC NWP	AC	345	345	0	Jun-04 Mona UT	Mona UT	100	OH			0			0	0	14354	1	0
U WECC NWP	AC	345	345	0	Jun-05   Spanish Fork UT	Spanish Fork UT	2	OH			0			0	0	14354	1	0
U WECC AZN	AC	345	345	0	Dec-05 South AZ #1	Nogales AZ	60	OH			0			0	0	24211	1	0
U WECC AZN	AC	345	345	0	Dec-05 South AZ #1	_	60	OH			0			0	0	24211	1	0
U WECC NWP	AC	345	345	0	Dec-05 South AZ #2 Dec-05 Syracuse UT	Nogales AZ	60	OH			0			0	0	14354	1	0
U WECC NWP		345 345	345	-		Syracuse UT	2	OH						_				0
	AC			0	Jun-06 Mobile AZ	Mobile AZ	1				0			0	0	24211		0
U WECC AZN	AC	345	345	0	Dec-12 Red Rock AZ	Sahuarta AZ	68	OH			0			0	0	24211		0
U WECC AZN	AC	345	345	0	Jan-13 San Juan NM	West Mesa NM	125	OH			0			0	0	15473	1	0
U WECC CNV	AC	500	500	0	Oct-04 Gates CA	Los Banos CA	86	OH			0			0	0	14328	11	0
U WECC NWP	AC	500	500	0	Oct-04 Coulee City WA	Spokane WA	83	OH			0			0	0	1738	1	0
U WECC AZN	AC	500	500	0	Apr-06 Wintersburg AZ	Pinal West AZ	51	OH		l	0	ı	l	0	0	16572	1	0

U	WECC	AZN	AC	500	500	0	Apr-07 Mobile AZ	Maricopa AZ	13	OH	0		0	0	16572	1	0
Ü	WECC	AZN	AC	500	500	0		West Phoenix AZ	45	OH	0		0	0	803	1	0
U	WECC	CNV	AC	500	500	0	Sep-09 Harquahala AZ	Devers CA	230	OH	0		0	0	17609	1	0
U	WECC	AZN	AC	500	500	0	Jun-10 Northwest Phoenix AZ	Peoria AZ	40	OH	0		0	0	803	1	0
U	WECC	AZN	AC	500	500	0	Apr-11 Maricopa AZ	Mesa AZ	87	OH	0		0	0	16572	1	0
U	WECC	AZN	AC	500	500	0	Jun-12 Mobile AZ	Red Rock AZ	60	OH	0		0	0	24211	1	0
U	WECC	NWP	AC	500	500	0	Dec-12 Ely NV	Las Vegas NV	240	ОН	0		0	0	9191	1	0
U	WECC	NWP	AC	500	500	0	Dec-12 Shoshone ID	Wells NV	130	OH	0		0	0	9191	1	0
U	WECC	NWP	AC	500	500	0	Dec-12 Wells NV	Ely NV	150	OH	0		0	0	9191	1	0
U	WECC	NWP	AC	500	525	0	Apr-06 Ellensburg WA	Sunnyside WA	62	ОН	0		0	0	1738	1	0
U	WECC	AZN	AC	500	525	0	Apr-07 Harry Allen Sub NV	Mead Sub NV	50	OH	0		0	0	13407	1	0
U	WECC	NWP	AC	500	525	0	Oct-07 Centralia WA	Shelton WA	20	OH	0		0	0	1738	1	0
U	WECC	AZN	AC	500	525	0	Mar-08 Las Vegas NV	Las Vegas NV	8	ОН	0		0	0	13407	1	0
U	WECC	AZN	AC	500	525	0	Mar-08 Las Vegas NV	Las Vegas NV	8	OH	0		0	0	13407	1	0
U	WECC	NWP	AC	500	525	0	Oct-09 Monroe WA	Issiquah WA	20	OH	0		0	0	1738	1	0
U	WECC	NWP	AC	500	525	0	Nov-11 Chief Joseph Sub WA	Monroe WA	122	OH	0		0	0	1738	1	0
U	WECC	AZN	AC	500	525	0	Apr-12 Las Vegas NV	Las Vegas NV	61	OH	0		0	0	13407	1	0

Notes: • Data are received as final. • Projected data are updated annually. • NERC Regional Council names may be found in the reference document.

- Information identified for reliability purposes by NERC.
- Line Type: OH=Overhead; UG=Underground; SM=Submarine.
- Voltage Type: AC=Alternating Current; DC=Direct Current.
- Conductor Material Type: AL=Aluminum; ACCR=Aluminum Composite Conductor Reinforced; ACSR=Aluminum Core Stee Reinforced; CU=Copper; OT=Other.
   Bundling Arrangement: 1=Single; 2=Double; 3=Triple;4=Quadruple; OT=Other.
- Pole Material: W=Wood; C=Concrete; S=Steel; B=Combination: P=Composite:O=Other.

- Pole Material: W=Wood: C=Concrete; S=Steel; B=Combination: P=Composite: D=Cther.
   Pole Type: P=Single pole; H=H-frame: T=tower; U=Underground; O=Other.
   Country: Canada (C), Mexico (M), United States (U) and total (T) for all countries within a single region.
   Regional name has changed from Mid-Continent Area Power Pool (MAPP) to Midwest Reliability Organization (MRO).
   Company names and reference abbreviations are from the NERC usage. This also holds for the ownership codes and linkage to EIA company codes.
   Data are received as final from the NERC on this voluntary form. Canadian and Mexican data are supplied by the NERC for this data schedule.
- Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-411, "Coordinated Bulk Power Supply Program Report."