Form EIA-411 for 2005

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Next Update: October 2008
Table 6. Existing and Proposed High-voltage Transmission Line Additions Filed Covering Calendar Year 2005, by North American Electric Reliability Council, 2006 Through 2011

Country - with Total (T) for sub- regions U E U E U E U E U E U E U E U E U E U		NERC Sub-region		Voltage		Capacity			ection Locations		1	ormation				racteristics	_	T		Company Inform		
Total (T) For sub-regions U E U E U E U E U E U E U E	Region		l	1																		
U E U E U E U E		Sub-region	Type	Operating (kV)	Design (kV)	Rating (MVa)	In-Service Date	From Terminal	To Terminal	Length (Miles)	Туре	Pole Type	Pole Material	Size (MCM)	Material	Bundling Arrangement	Present	Ultimate	Company Code	Company Name	Organizational Type	Ownershi (Percent)
U E U E U E	ERCOT	0	AC	345	345	0	4/1/2006		W. Levee	9	OH	0	0		ACSR	(0	0		TXU ED	- 1	10
U E	ERCOT ERCOT	0	AC AC	345 345	345 345	0	5/6/2006		Johnson Switch W. Denton	24 66		0	0	0.9 1.6	ACSS/TW ACSR	1	0 0			TXU ED TXU ED		10
U E	ERCOT	0	AC	345	345	0	12/6/2006	Jacksboro Swith Venus	Liggett	45		0	0	1.6) 0			TXUED		10
	ERCOT	0	AC	345	345	0		Paris Switch	Anna Switch	70		0	0	1.6		Č	0			TXU ED	i	10
	ERCOT	0	AC	345	345	0	12/6/2006		Cagnon	23		0	0	1.6		() (City Public Service of San Ar		5
	ERCOT	0	AC AC	345 345	345 345	0	12/6/2006	W A Parish	Cagnon Hillie	22 98		0	0	1.6		0	0 0			LCRA CenterPoint	S	10
	ERCOT	0	AC	345	345	0	6/1/2007		Hillje	19		0	0	0.8) 0	_		CenterPoint	<u> </u>	10
U E	ERCOT	0	AC	345	345	0	12/1/2007	W. Levee	Norwood	7	OH	0	0	1.6	ACSR	(0	0	19325	TXU ED	I	10
	ERCOT	0	AC	345	345	0	6/1/2009		Hill Country	20		0	0		ACSR/TW		0 0		16604	City Public Service of San Ar	M M	10
	ERCOT	0	AC AC	345 345	345 345	0		Hill Country Laredo Lobo	Skyline San Miguel	110		0	0	1.6	ACSR/TW ACSR	1		0 0		City Public Service of San Ar	0 M	10
	ERCOT	0	AC	345	345	0		Hutto Switch	Salado	32		0	0	1.6) 0	_		TXU ED	ĭ	10
U E	ERCOT	0	AC	345	345	0	6/1/2010	Zorn	Hutto Switch	71	OH	0	0	1.6	ACSR	(0	0	11269	LCRA	S	10
	ERCOT	0	AC	345	345	0	6/1/2009		Skyline	21		0	0	1.3		() 0			City Public Service of San Ar	M M	10
	FRCC	0	AC AC	230 230	0	759 1141	12/1/2006 12/1/2006		Orange River #3 Charlotte	54 55		0	0	0		(0 0		6452 6455		0	10
	FRCC	0	AC	230	0	1141	6/1/2007	Hines Energy Complex	West Lake Wales #1	21		0	0	0	v	(6455		0	10
U	FRCC	0	AC	230	0	749	9/1/2007	Gannon	SR 60	2	0	0	0	0	0	(0	0	18454	TEC	0	10
	FRCC	0	AC	230	0	1141		Lake Bryan	Windermere #1	10		0	0	0	0	(0 0		6455		0	10
	FRCC	0	AC AC	230 230	0	1141 759	5/1/2008	Lake Bryan	Windermere #2 Midway (FPL)	10		0	0	0			0 0			PEF FMPA	0	10
	FRCC	0	AC	230	0	759	5/1/2008	TCEC	(Midway-Turpike Tie Poir		0	0	0	0			0 0			FMPA	0	10
	FRCC	0	AC	230	0	1141	7/1/2008	Avalon	Gifford	7	0	0	0	0		(0 0	0	6455		0	10
	FRCC	0	AC	230	0	759	12/1/2008		Pringle	26		0	0	0		() (_	6452		0	10
	FRCC	0	AC AC	230 230	0	1013 1348		Pebbledale Wheeler Road	Willow Oak Davis	12		0	0	0	v		0 0		18454 18454		0	10
	FRCC	0	AC	230	0	1141		Intercession City	West Lake Wales #2	30		0	0	0	0) 0		6455		0	10
U	FRCC	0	AC	230	0	1141	6/1/2010	Intercession City	West Lake Wales #1	30	0	0	0	0	0	(0	0	6455	PEF	0	10
U	FRCC	0	AC	230	0	1013	9/1/2010		11th Avenue	5		0	0	0		() 0		18454		0	10
	FRCC	0	AC AC	230 230	0	1141 1013	6/1/2011	Hines Energy Complex	West Lake Wales #2 Chapman	21		0	0	0			0 0		6455 18454		0	10
	FRCC	0	AC	230	0	1013		Willow Oak	Wheeler Road	20		0	0	0) 0	0 0	18454		0	10
	FRCC	0	AC	230	0	1190	12/1/2011		BobWhite	30	0	0	0	0	v	(0		6452		0	10
	FRCC	0	AC	230	0	759	6/1/2012		Sweatt	25		0	0	0	0	(0		6452		0	10
	FRCC	0	AC AC	230 230	0	749 1013		Davis Road Polk Power Station	Dale Mabry Hardee Power Station	14	-	0	0	0	0		0 0	_	18454 18454		0	10
	MRO	0	AC	230	230	564.5	3/1/2006		Wuskwatim	28		T	S	954		single	1			Manitoba Hydro Electric Boar		10
С	MRO	0	AC	230	230	564.5		Wuskwatim S.S.	Wuskwatim G.S.	0.7		Т	S	954			1	1		Manitoba Hydro Electric Boar		10
С	MRO	0	AC	230	230	564.5		Wuskwatim S.S.	Wuskwatim G.S.	0.7		T	S	954		single	1	1		Manitoba Hydro Electric Boar		10
C	MRO MRO	0	AC AC	230 230	230 230	564.5 564.5		Wuskwatim S.S. Wuskwatim S.S.	Wuskwatim G.S. Herblet Lake	0.7 85.2		T	S	954 954	ACSR ACSR	single	1 1	1		Manitoba Hydro Electric Boar Manitoba Hydro Electric Boar		10
č	MRO	0	AC	230	230	564.5		Wuskwatim S.S.	Herblet Lake	85.2		Ť	S	954	ACSR	single	1			Manitoba Hydro Electric Boar		10
С	MRO	0	AC	230	230	564.5		Herblet Lake	Rall's Island	102.5		Т	S	954	ACSR		1	1		Manitoba Hydro Electric Boar	r 0	10
	MRO	0	AC	345	345	0		Maple River	Monticello	170 ***	OH	0	0	0	·	() 0			**	-	**
+	MRO MRO	0	AC AC	345 345	345 345	0		Hampton Corners Rochester	Rochester North La Crosse	75*** 75***	OH	0	0	0	0		0 0		-	**	-	**
Ť	MRO	0	AC	345	345	0		Brookings County	Hampton Corners	200***	OH	0	0	0	0) 0	0 0	-	**	-	**
	MRO	0	AC	345	345	0	1/1/2008	Arrowhead (Duluth,MN)		12	OH	P	S	1272		Two conducto				American Transmission	I	
T	MRO	0	AC	345	345	1446	6/1/2009		Werner West	47		P	S	2156		1	1 1			ATC	0	10
++	MRO MRO	0	AC AC	345 345	345 345	1328 1098	6/1/2009	Gardner Park Rockdale	Central Wisconsin [3] West Middleton	50 35		P	S	2156 2156		1	1 1	1		ATC ATC	0	10
Ť	MRO	0	AC	345	345	1200		Gardner Park	Stone Lake	140		P	S	954		2	2 1	1		ATC [1]	0	10
Ť	MRO	0	AC	345	345	1200	6/1/2008	Stone Lake	MN border	68	OH	P	S	954	ACSR	2	2 1	1	659	ATC [1]	0	10
T	MRO	0	AC	345	345	1200		Arrowhead	MN border	12		P	S	1272		2	2 1	1	659	ATC [1]	0	10
	MRO MRO	0	AC AC	345 345	345 345	1361 1088		Columbia NW 68th & Holdrege	North Madison 128th & Adams	17		P	S	2156 T-2 397.5	ACSR ACSR	Double 1	1 1	1 2	659 11018	ATC [2]	O M	10
	MRO	0	AC	230	230	564.5	3/1/2006		Wuskwatim	28		T	S	954	ACSR		1	1		Manitoba Hydro Electric Boar		10
	MRO	0	AC	230	230	564.5	10/1/2009	Wuskwatim S.S.	Wuskwatim G.S.	0.7	OH	Ť	S	954	ACSR	single	1	1	-200	Manitoba Hydro Electric Boar	0	10
T	MRO	0	AC	230	230	564.5		Wuskwatim S.S.	Wuskwatim G.S.	0.7		T	S	954			1	1		Manitoba Hydro Electric Boar		10
	MRO	0	AC AC	230 230	230 230	564.5 564.5		Wuskwatim S.S. Wuskwatim S.S.	Wuskwatim G.S. Herblet Lake	0.7 85.2		T	S	954 954			1 1	1		Manitoba Hydro Electric Boar Manitoba Hydro Electric Boar		10
Ť	MRO	0	AC	230	230	564.5		Wuskwatim S.S.	Herblet Lake	85.2		T	S	954			1	1		Manitoba Hydro Electric Boai		10
Т	MRO	0	AC	230	230	564.5	10/1/2010	Herblet Lake	Rall's Island	102.5	OH	Т	S	954	ACSR	single	1	1	-200	Manitoba Hydro Electric Boar	r 0	10
T	MRO	0	AC	345	345	1195		Sub 3458	103rd & Rokeby Road	48		P	S	795		double	0			OPPD	S	10
+	MRO MRO	0	AC AC	230 230	230 345	TBD 0	6/1/2011		Boswell (Cohasset,MN) Canby Sub	72 55		TBD	W TBD	TBD 0	ACSR TBD	TBD	1			Otter Tail Power Otter Tail Power Co.	1	19.3
Ť	MRO	0	AC	230	345	TBD		Canby Sub	Granite Falls Sub	45		TBD		TBD	TBD	TBD		1		Otter Tail Power Co.	i	19.3
	MRO	0	AC	230	230	TBD	6/1/2010	Big Stone 230 kv Sub	Johnson Junction	25	OH	TBD	TBD	TBD	TBD	TBD	1	1	14232	Otter Tail Power Co.	I	19.3
T	MRO MRO	0	AC AC	230 345	230 345	TBD	10/1/2010 3/1/2006	Johnson Junction	Morris Sub Mankato Energy Ctr	16 0.75		TBD 0	TBD 0	TBD	TBD 0	TBD	1	0 0		Otter Tail Power Co. Xcel Energy	1	19.3

	1400			0.15		0 10/00/0000	la r. s											L teretly to		100
Ü	MRO MRO	0	AC AC	345 345	345 345	0 10/26/2007	Maple River	Lakefield Jct. Monticello	95 170 ***	OH	0	0	0	0	0	0		13781 Xcel Energy		**
Ü	MRO	0	AC	345	345			Rochester	75***	OH	0	0	0	0	0	0		- **		**
Ü	MRO	0	AC	345	345			North La Crosse	75***	OH	0	0	0	0	0	0		- **	-	**
Ü	MRO	0	AC	345	345		Brookings County	Hampton Corners	200***	ОН	0	0	0	0	0	0	C		-	**
U	MRO	0	AC	345	345			Weston (Wausau,WI)	12	OH	Р	S	1272	ACSR T	wo conductor	0	C	659 American Transmission	1	0
U	MRO	0	AC	345	345		Morgan	Werner West	47	OH	Р	S	2156	ACSR	1	1	1	659 ATC	0	100
U	MRO	0	AC	345	345		Gardner Park	Central Wisconsin [3]	50	OH	Р	S	2156	ACSR	1	1	1		0	100
U	MRO	0	AC	345	345		Rockdale	West Middleton	35	OH	P	S	2156	ACSR	1	1	1	659 ATC	0	100
U	MRO	0	AC	345	345			Stone Lake	140	OH	P	S	954	ACSR	2	1	1	659 ATC [1]	0	100
U	MRO	0	AC	345	345		Stone Lake	MN border	68	OH	P	S	954	ACSR	2	1	1	659 ATC [1]	0	100
U	MRO MRO	0	AC AC	345 345	345 345			MN border North Madison	12	OH	P	S	1272 2156	ACSR ACSR	2	1	1	659 ATC [1] 659 ATC [2]	0	100
U	MRO	0	AC	345	345		NW 68th & Holdrege	128th & Adams	30	OH	P	S	T-2 397.5		ouble	1	1	11018 LES	M	100
Ü	MRO	0	AC	345	345		Sub 3458	103rd & Rokeby Road	48	OH	P	S	795		ouble	- 0	1	14127 OPPD	S	100
ŭ	MRO	0	AC	230	230	0 1/1/2011		Boswell (Cohasset,MN)	72	OH	P	w	733	ACSR	O O	0		14232 Otter Tail Power	ī	17
Ü	MRO	0	AC	230	345		Big Stone 230 kv Sub	Canby Sub	55	OH	TBD	TBD	TBD		BD	1	1	14232 Otter Tail Power Co.	i	19.33
U	MRO	0	AC	230	345		Canby Sub	Granite Falls Sub	45	ОН	TBD	TBD	TBD		BD	1	1	14232 Otter Tail Power Co.	1	19.33
U	MRO	0	AC	230	230	TBD 6/1/2010	Big Stone 230 kv Sub	Johnson Junction	25	OH	TBD	TBD	TBD		BD	1	1	14232 Otter Tail Power Co.	I	19.33
U	MRO	0	AC	230	230			Morris Sub	16	OH	TBD	TBD	TBD	TBD TI	BD	1	1	14232 Otter Tail Power Co.		19.33
U	MRO	0	AC	345	345		Wilmarth	Mankato Energy Ctr	0.75	OH	0	0	0	0	0	0	C		I	100
U	MRO	0	AC	345	345	0 10/26/2007		Lakefield Jct.	95	ОН	0	0	0		0	0	C	10701 Abbi Energy		100
C	NPCC	NB	AC AC	345	345 345	0 12/1/2007		Maine/New Brunswick B	0 60 0.1	OH	H	S	1192.5	ACSR	2	1	1	-120 New Brunswick Power Corp	S	100
U	NPCC NPCC	NE NE	AC AC	345 345	345 345	0 TBD 2038 2006-12	Deerfield S/S Plumtree S/S	391 Tap Norwalk S/S	0.1 8.6	OH	Pole Pole	0	2-1590	0 ACSR	0	0	0	15472 PSNH 4176 CL&P		1
U	NPCC	NE NE	AC	345	345	648 2006-12		Norwalk S/S	2.1	UG	UG	N/A	2-1590	XLPF N	/A N	Δ 2	N/A	4176 CL&P 4176 CL&P		1
U	NPCC	NE	AC	345	345	632 2006-12		Norwalk S/S	9.7	UG	UG	N/A	Feb-00	HPFF N		, · ·	N/A	4176 CL&P	- i -	1
Ü	NPCC	NE	AC	345	345	1730 2006-12		314 Tap	0.05	OH	Pole	0	2-1113	ACSR	2	1	1	13433 NEP	i	1
Ü	NPCC	NE	AC	345	345	1730 2006-12	Wachusett S/S	343 Tap	0.05	OH	Pole	0	2-1113	ACSR	2	1	1	13433 NEP	i	1
Ü	NPCC	NE	AC	345	345	520 2006-06	Stoughton S/S	K Street S/S	15.4	UG	UG	N/A	3000/2500	CU N	/A N	Ά.	N/A	1998 Boston Edison Company d/b/	I	1
Ü	NPCC	NE	AC	345	345	1100 2007-12	Orrington S/S	Maine/New Brunswick B	c 84	OH	Pole	0	2-1192	ACSR	2	1	1	1179 Bangor Hydro	- 1	1
U	NPCC	NE	AC	345	345	2154 2008-04		394 Tap	0.1	OH	Pole	0	2-1590	ACSR	2	1	1	13433 NEP		1
U	NPCC	NE	AC	345	345	1491 2006-12		W. Rutland S/S	30.4	OH	Pole	0	2-954	ACSR	2	1	1	19899 VELCO		1
U	NPCC	NE	AC	345	345	520 2006-06	Stoughton S/S	Hyde Park S/S	11.2	UG	UG	N/A	3000/2500		/A N		N/A	1998 Boston Edison Company d/b/	<u> </u>	1
U	NPCC	NE	AC	345	345	520 2007-06	Stoughton S/S	K Street S/S	15.4	UG	UG	N/A	3000/2500	CU N	/A N	Ά	N/A	1998 Boston Edison Company d/b/	!	1
U	NPCC	NE	AC	345	345	2038 2009-12	Scovill Rock S/S	Chestnut Jct.	2.6	OH	Pole	0	2-1590	ACSR	2	2	2	4176 CL&P		1
U	NPCC NPCC	NE NF	AC AC	345 345	345 345	2038 2009-12		Beseck S/S	2.8	OH	Pole Pole	0	2-1590	ACSR	2	- 2	2	4176 CL&P 4176 CL&P		1
U	NPCC	NE	AC	345	345	2038 2009-12 2038 2009-12	Black Pond Jct.	Beseck S/S Beseck S/S	2.8	OH	Pole	0	2-1590	ACSR ACSR	2			4176 CL&P 4176 CL&P		1
U	NPCC	NE	AC	345	345	600 2009-12	Oxbow Jct. East Devon S/S	CL&P/UI Border (of Sir		UG	UG	N/A	3000	XLPE N	/A N	//	N/A	4176 CL&P		0.3
Ü	NPCC	NE	AC	345	345	600 2009-12	East Devon S/S	CL&P/UI Border (of Sir		UG	UG	N/A	3000	XLPE N			N/A	4176 CL&P	<u> </u>	0.3
ŭ	NPCC	NE	AC	345	345	600 2009-12	Singer S/S	CL&P/UI Border (of Sir		UG	UG	N/A	3000	XLPE N			N/A	19497 UI	i	0.7
Ū	NPCC	NE	AC	345	345	600 2009-12	Singer S/S	CL&P/UI Border (of Sir		UG	UG	N/A	3000	XLPE N			N/A	19497 UI	ì	0.7
Ü	NPCC	NE	AC	345	345	600 2009-12	Norwalk S/S	Singer S/S	15.4	UG	UG	N/A	3000	XLPE N			N/A	4176 CL&P	1	1
U	NPCC	NE	AC	345	345	600 2009-12		Singer S/S	15.4	UG	UG	N/A	3000		/A N	'A	N/A	4176 CL&P	1	1
U	NPCC	NE	AC	345	345	2038 2009-12		East Devon	33.4	OH	Pole	0	2-1590	ACSR	2	2	2	7170 0241		1
U	NPCC	NE	AC	230	230	496 2015-12	Granite S/S	Middlesex S/S	16	OH	Pole	0	954	ACSR	1	1	1	10000 72200	1	1
U	NPCC	NE	AC	345	345	2154 2008-03	Wakefield Jct.	339 Tap	0.1	OH	Pole	0	2-1590	ACSR	2	1	1	13433 NEP		1
U	NPCC	NE	AC	345	345	TBD TBD		MA/NH Border	TBD	OH	Pole	0	TBD	TBD	2	1	1	10 100 1121	- !	1
U	NPCC NPCC	NE	AC 0	345	345	0 TBD 0 1/0/1900	Scobie S/S	MA/NH Border	18.1	OH	Pole	0	0	0	0	0	C	4176 CL&P	0	1
C	NPCC	NS NY	AC	345	0 345		Mott Haven	Dunwoodie	10	0 UG	0	0	2000 CU	0	0	2		4226 ConEd	0	0
U	NPCC	NY	AC	345	345		Mott Haven	Rainey	4.1	UG	0	0	2000 CU	0	0	- 2		4226 ConEd 4226 ConEd	0	0
Ü	NPCC	NY	AC	345	345			Sherman Creek	10	UG	0	0	2000 CU	0	0	1		4226 CONEd 4226 ConEd	0	0
Ü	NPCC	NY	AC	345	345		Duffy Ave Convertor Sta		1.7	UG	0	0	0	0	0	1		0 LIPA	0	0
Ü	NPCC	NY	AC	500	500	0 5/1/2007	Duffy Ave Convertor Sta		65	UG	0	0	0	0	0	1	C	0 Atlantic Energy Neptune	0	0
С	NPCC	ONT	AC	230	230	591 2006 Q3	Allanburg TS	Middleport TS	95	ОН	0	0	0	0	0	0	C	0 Hydro One	0	100
С	NPCC	PEI	0	0	0	0 1/0/1900	0	(0	0	0	0	0	0	0	0	0		0	0
С	NPCC	QUE	AC	315	315			Nemiscau	73	OH	Т	S	1354	ACSR	1	2	1	-100 Hydro-Québec	S	100
С	NPCC	QUE	AC	230	230			Becancour	0.5	ОН	T	S	795	ACSR	1	2	1	-100 Hydro-Québec	S	100
С	NPCC	QUE	AC	230	230		Sky Power	Riviere-du-Loup	0.1	OH	T	S	865	ACSR	1	1	1	-100 Hydro-Québec	S	100
C	NPCC	QUE	AC	230	230		Baie-des-Sables	Line 23XY	5	OH	T	S	795	ACSR	1		1	-100 Hydro-Québec	<u>S</u>	100
C	NPCC	QUE	AC	230	230			Rapides-des-Cœurs	18.8	OH	T	S	1054	ACCR	1	1	1	-100 Hydro-Québec	S	100
C	NPCC NPCC	QUE	AC AC	230	230 230		Rapides-des-Cœurs St-Ulric/St-Leandre	Rapide-Blanc Line 23XX	19.6 3.8	OH	 	S	1054 795	ACCR ACSR	1	1	1	-100 Hydro-Québec -100 Hydro-Québec	S	100 100
C	NPCC	QUE	AC	230	230		Rimouski	Les Boules	34.4	OH	T .	0	1033	ACSR	1	1	1	-100 Hydro-Quebec	S	100
C	NPCC	QUE	AC	230	230			Matane	58.1	OH	Ť	S	1033	ACSR	1	1	2	-100 Hydro-Québec	S	100
Č	NPCC	QUE	AC	230	230			Matane	5.1	OH	Ť	S	795	ACSR	1	1	2	-100 Hydro-Québec	S	100
C	NPCC	QUE	AC	230	230	400 12/1/2008		Goemon	43.8	OH	Ť	S	795	ACSR	1	2	2	-100 Hydro-Québec	S	100
С	NPCC	QUE	AC	230	230	200 12/1/2008		Line 2398	7.5	ОН	T	S	795	ACSR	1	1	1	-100 Hydro-Québec	S	100
С	NPCC	QUE	AC	230	230		Les Mechins	Line 23YY	6.25	OH	Т	S	795	ACSR	1	1	1	-100 Hydro-Québec	S	100
С	NPCC	QUE	AC	315	315			Eastman-1	1.2	OH	T	S	1354	ACSR	1	2	1	100 Hydro Quoboo	S	100
С	NPCC	QUE	AC	315	315		Sarcelle	Eastman-1	68.8	ОН	T	S	1354	ACSR	1	1	1	-100 Hydro-Québec	S	100
С	NPCC	QUE	AC	230	230	231 12/1/2010		Mont-Louis	46.3	OH	T	S	1033	ACSR	1	1	2		S	100
C	NPCC RFC	QUE	AC AC	230 345	230	231 12/1/2011		Gros-Morne	55.6 5.6	OH	T	S	1033	ACSR	1	1	2	-100 Hydro-Québec	S	100 100
U	RFC	0	AC AC		345	1302 6/1/2008		Roberts	5.6 0.5	OH	I	S	1272	ACSR ACSR	2	2	2	0 AEP 0 AEP	1	100
U	RFC	0	AC AC	765 765	765 765		Lawrence County (new) Wyoming	Jacksons Ferry	90	OH	T	S	1351 795	ACSR	4	1	1 1	0 AEP		100
U	RFC	0	AC	345	345		Dequine	Westwood	2.6	OH	+	S	954	ACSR	2	1	1 2	0 AEP-CIN	- i	100
Ü	RFC	0	AC	230	230		Urbana (new)	Lime Kiln	4.5	OH	H	W	1272	ACSR	1	1	1	0 AP	- i	100
		0	AC	230	230			Montgomery	7.8	OH	H	W	1272	ACSR	1	1	1	0 AP	i	100
Ü	RFC																			
	RFC	0	AC	230	230			Mt. Airy	3.5	OH	P	S		ACSR	1	1	1	0 AP	1	100

U	RFC	0	AC	230	230	482	6/1/2008 Ridgeville (new)	Damascus	6.9	OH	P	S	1272 ACSR	1		D AP I 10
U	RFC	0	AC	230	230	482	12/1/2006 Doubs	Lime Kiln	6.7	OH	Р	S	1272 ACSR	1		D AP I 10
U	RFC	0	AC	230	230		11/1/2007 Lime Kiln	McCain	4.2	OH	Р	S	1272 ACSR	1		D AP I 10
U	RFC	0	AC	230	230	482	11/1/2007 McCain	Frederick A	5.7	OH	Р	S	1272 ACSR	1		D AP I 10
U	RFC	0	AC	230	230	482	11/1/2007 Frederick A	Monocacy	1.7	OH	P	S	1272 ACSR	1		D AP I 10
U	RFC	0	AC	500	500	2731	11/1/2007 North Longview (new)	502 Junction	4.5	OH	T	S	2-1272 ACSR	2	1 1	D AP I 10
U	RFC	0	AC	500	500	2731	11/1/2007 North Longview (new)	Fort Martin	1.5	OH	T	S	2-1272 ACSR	2		D AP I 10
U	RFC	0	AC	500	500	2598	9/1/2007 Greenland Gap (new)	Mt. Storm	3.2	OH	Т		2-1272 ACSR	2) AP I 10
U	RFC	0	AC	500	500	2731	9/1/2007 Greenland Gap (new)	Meadow Brook	56.1	ОН	Т	S	2-1272 ACSR	2	1 1	DAP I 10
U	RFC	0	AC	500	500	2731	11/1/2007 Browns Run (new)	Hatfield	1.9	ОН	Т	S	2-1272 ACSR	2	1 1	DAP I 10
U	RFC	0	AC	500	500	2731	11/1/2007 Browns Run (new)	Yukon	30.5	OH	T	S	2-1272 ACSR	2	1 1) AP I 10
Ü	RFC	0	AC	345	345	1446	6/1/2009 Morgan	Werner - West	47	ОН	0	S	2156 ACSR	1		ATC I 10
Ü	RFC	0	AC	345	345		12/31/2008 Arsenal	Logans Ferry	12	UG/OH	0	0	0 0	0		DLCO I 10
Ü	RFC	0	AC	345	345	0	12/31/2008 Collier	Brunot Island	7.2	OH	0	0	0 0	0	0 0	DDLCO I 10
Ü	RFC	0	AC	345	345	0	12/31/2008 Brunot Island	Arsenal	6.4	UG	0	0	0 0	0	0 0	DLCO I 10
Ü	RFC	0	AC	345	345	1195	5/1/2008 JK Smith	Spurlock / Avon	17.5	OH	H	Š	954 ACSR	2		EKPC C 10
Ü	RFC	0	AC	345	345	1195	5/1/2007 North Medina	Carlisle - Star	0.1	OH	Н	S	954 ACSR	2		FE I 10
Ü	RFC	0	AC	230	230		12/31/2006 Wixom	Quaker	9.3	OH	0	0	0 0	0	0 0	DITC I 10
Ü	RFC	0	AC	345	345	1195	12/1/2009 Trimble Co.	Ghent - Speed	6.0	OH	Ĥ	S	954 ACSR	2		LGEE I 10
Ü	RFC	0	AC	345	345	1195	12/1/2009 Millcreek	Hardin Co.	43	OH	H	S	954 ACSR	2		LGEE I 10
Ü	SERC	0	0	0	0		1/0/1900 Willicreek	riaidiri oo.	70	0	0	0	0 0	0	0 0	0 0
U	SERC	ENT	AC	500	500		12/15/2006 Perryville	Sterlington	6		tower	steel	954 ACSR	Triple		Entergy IOU 10
U	SERC	ENT	AC	500	500	2598	6/1/2012 Bogue Chitto	Bogalusa	12		tower	steel	954 ACSR			Entergy IOU 10
U	SERC	ENT	AC	500	500	2598		Franklin	12		tower	steel	954 ACSR 954 ACSR		1 1 9100	
U	SERC	ENT		345		2598 1195	6/1/2012 Bogue Chitto		45	l - Overne	H-frame	steel			1 9100	
U	SERC	ENT	AC AC	345	345 345	1195	6/1/2011 Norborne	Dresden						Single		Associated Electric Cooperati Cooperative 10
							6/1/2011 Thomas Hill	Norborne	60			steel		Single		Associated Electric Cooperati Cooperative 10
U	SERC	ENT	AC	230	230	1042	6/1/2008 Ninemile	Waggaman	9	l - Overhe		ombination		Double		D Entergy IOU 10
U	SERC	ENT	AC	230	230	1042	6/1/2008 Waggaman	Waterford	23			combination	1272 ACSR			Entergy IOU 10
U	SERC	ENT	AC	230	230	521	6/1/2008 Yandell Road	Bozeman	4		single pole		1272 ACSR			Entergy IOU 10
U	SERC	ENT	AC	230	230	640	6/1/2009 Coly	Hammond	20		single pole			Single	1 1 9100	Entergy IOU 10
U	SERC	ENT	AC	230	230	884	6/1/2009 Cypress	Jacinto	31		single pole		954 ACSR			Entergy IOU 10
U	SERC	ENT	AC	230	230	521	6/1/2013 Getwell	Twinkletown	13		single pole		1272 ACSR			Entergy IOU 10
U	SERC	ENT	AC	230	230	521	6/1/2014 Lakeover	Mannsdale	13		single pole			Single		Entergy IOU 10
U	SERC	ENT	AC	230	230	884	6/1/2014 Porter	Lewis Creek	28		single pole			Double	2 9100	
U	SERC	ENT	AC	230	230	261	6/1/2007 Hammond	Amite	18		H-frame			Single	1 1 9100	
U	SERC	ENT	AC	230	230	884	6/1/2009 Jacinto	Lewis Creek	29		single pole			Double		Entergy IOU 10
U	SERC	ENT	AC	230	230	521	12/1/2009 Mabelvale	Little Rock South	11		single pole			Single		Entergy IOU 10
U	SERC	ENT	AC	230	230	521	6/1/2011 Frostkraft	Sterlington	29		single pole		1272 ACSR	Single	1 1 9100	Entergy IOU 10
Ü	SERC	ENT	AC	230	230	521	6/1/2011 Rilla	Froscraft	8		single pole			Single	1 1 9100	Entergy IOU 10
Ü	SERC	FNT	AC	230	230	521	6/1/2011 Selman Field	Rilla	11-		single pole		1272 ACSR	Single	1 1 9100	Entergy IOU 10
Ü	SERC	ENT	AC	230	230	521	6/1/2011 Sterlington	Selman Field			single pole			Single		Entergy IOU 10
Ü	SERC	ENT	AC	230	230	521	6/1/2012 Winfield	Danville			single pole			Single		Entergy IOU 10
Ü	SERC	ENT	AC	230	230	639	6/1/2009 Coly	Vianes	10		single pole			Single		Entergy IOU 10
Ü	SERC	FNT	AC	230	230	1042	6/1/2009 Hartburg	Helbig	33		single pole		1272 ACSR			Entergy IOU 10
Ü	SERC	ENT	AC	230	230	640	6/1/2009 Panama	Dutch Bayou	26		single pole		1780 ACSR	Single		Entergy IOU 10
U	SERC	ENT	AC	230	230	521	6/1/2009 Vignes	Sorrento	4		single pole		1272 ACSR			Entergy IOU 10
U	SERC	GATE	AC	345	345	1793	12/1/2006 Callaway Plant Sub	Franks Substation	54		H-frame	wood		Double	1 1 1943	6 Ameren - UE/CIPS Other 10
U	SERC	GATE	AC	345	345	1297	6/1/2008 Baldwin Power Plant Sul		04		single pole			Double		Ameren - IP Other 10
U	SERC	GATE	AC	345	345	1793	6/1/2008 Baldwin Power Plant Su		26		single pole			Double		Ameren - IP Other 10
U	SERC	GATE	AC	345	345	1297	6/1/2008 Baldwin Power Plant Su		20		single pole	steel		Double		Ameren - IP Other 10
U	SERC	GATE	AC	345	345	1195	6/1/2008 Joachim Substation	Tyson Substation	2		single pole			Double		Ameren - IP Other 10
U	SERC	GATE	AC	345	345	1793	6/1/2008 Mariosa Delta Sub	Loose Creek Sub	4.4	I - Overne		wood	954 Other	Double		Ameren - UE/CIPS Other 10
U	SERC		AC AC	345					111							
U		GATE	AC AC		345	1195	6/1/2008 Prairie State Power Plan		2		single pole			Double		Ameren - IP Other 10
U	SERC	GATE		345	345	1195	6/1/2008 Prairie State Power Plan		8		single pole			Double		Ameren - IP Other 10
	SERC	GATE	AC	345	345	1200	6/1/2008 Rush Island Plant	Joachim Substation	0		single pole		954 Other	Double		6 Ameren - UE/CIPS Other 10
U	SERC SERC	SOU	AC	500 500	500	3429 3464	6/1/2007 MCGRAU FORD	MOSTELLAR SPRINGS	35 40	- Overhe	tower	steel	1113 ACSR 1113 ACSR			Georgia Power Company IOU 10
U	SERC	SOU	AC AC	500	500 500	3464	6/1/2010 East Walton 6/1/2010 Thomson	Rockville	35	I - Overhe	tower	steel			1 719	7 Georgia Transmission Corpol Cooperative 10 7 Georgia Transmission Corpol Cooperative 10
U								Warthen Ding Croup			tower				1 719	
	SERC	SOU	AC	500	500	3429	5/1/2012 Osierfield	Pine Grove	60		tower	steel	1113 ACSR			Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	485	1/31/2006 Georgetown Tap	Georgetown DS	1	I - Overhe		Unknown		Single		Alabama Power Company IOU 10
U	SERC	SOU	AC	230	230	602	4/30/2006 Mcgrau Ford	Blankets Creek	17		single pole	steel		Single		Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	602	5/31/2006 Cedar Hill	Portland	11			steel		Single		Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	602	6/1/2006 Dresden	South Coweta	25		single pole			Single	1 1 719	7 Georgia Transmission Corpoi Cooperative 10
U	SERC	SOU	AC	230	230	664	6/1/2007 CUMMING	SHOAL CREEK			H-frame	steel	1622 ACSR			Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	602	6/1/2007 McGraw Ford	Cumming	19			steel	1351 ACSR		1 1 719	Georgia Transmission Corpoi Cooperative 10
U	SERC	SOU	AC	230	230	866	6/2/2008 McConnell Road	Woodlore	3		single pole			Double		7 Georgia Transmission Corpoi Cooperative 10
U	SERC	SOU	AC	230	230	602	6/2/2008 Camp Creek	Cliftondale	8		single pole		1351 ACSR	Single	1 1 719	7 Georgia Transmission Corpoi Cooperative 10
U	SERC	SOU	AC	230	230		12/31/2008 Homeland	Kettle Creek	36		single pole		1351 ACSR	Single		Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	502	1/1/2009 Farley-Scholz line	Cottonwood TS	1		Unknown		1033 ACSR			5 Alabama Power Company IOU 10
U	SERC	SOU	AC	230	230	866	6/1/2009 Woodlore	Battlefield	3		single pole			Double		7 Georgia Transmission Corpor Cooperative 10
U	SERC	SOU	AC	230	230	866	6/1/2009 Woodlore	Cedar Crest	5		single pole			Double		7 Georgia Transmission Corpor Cooperative 10
U	SERC	SOU	AC	230	230	866	6/1/2009 Bio	Middlefork	30		single pole		795 ACSR			7 Georgia Transmission Corpor Cooperative 10
U	SERC	SOU	AC	230	230	602	6/1/2009 Deshong	Ponce De Leon	15	I - Overhe	single pole	steel	1351 ACSR	Single	1 1 719	7 Georgia Transmission Corpor Cooperative 10
U	SERC	SOU	AC	230	230	581	6/1/2009 Dean Forest	Kraft	7	l - Overhe		steel		Single	1 1 1668	7 Savannah Electric & Power C IOU 10
U	SERC	SOU	AC	230	230	866	6/1/2010 Bowen	Huntsville	11	l - Overhe	H-frame	steel		Double		Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	596	6/1/2010 Dum Jon	Thomson	20	I - Overhe	H-frame	steel	1351 ACSR	Single		Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	866	6/1/2010 Cedar Crest	Huntsville	7	I - Overhe	single pole	steel		Double	1 1 719	Georgia Transmission Corpor Cooperative 10
U	SERC	SOU	AC	230	230	602	6/1/2010 Dean Forest	Deptford	10		single pole		1351 ACSR	Single		7 Savannah Electric & Power C IOU 10
U	SERC	SOU	AC	230	230	1003	12/31/2010 Prattville CT TS	County Line Road TS	1	l - Overhe		Unknown		Double		Alabama Power Company IOU 10
U	SERC	SOU	AC	230	230	596	6/1/2011 Dawson Crossing	South Dahlonega	12		H-frame		795 ACSR	Single	1 1 714	Georgia Power Company IOU 10
U	SERC	SOU	AC	230	230	602	6/1/2011 Bethabara	Center	19		single pole		1351 ACSR	Single		Georgia Transmission Corpor Cooperative 10
U	SERC	SOU	AC	230	230	602	6/1/2011 Bethabara	East Walton	8		single pole		1351 ACSR			Georgia Transmission Corpor Cooperative 10
					•								+			

U SERC											
O SEING	SOU	AC	230	230	602	6/1/2011 Bostwick	East Walton	4 - Overhesingle pole concrete	1351 ACSR Single	1 1 7197	Georgia Transmission Corpoi Cooperative
U SERC	SOU	AC	230	230	602	6/1/2011 East Social Circle	East Watkinsville	1 I - Overhesingle pole concrete	1351 ACSR Single	1 1 7197	Georgia Transmission Corpor Cooperative
U SERC	SOU	AC	230	230	602	6/1/2011 East Walton	LGE Monroe	91 - Overhesingle pole concrete			Georgia Transmission Corpoi Cooperative
U SERC	SOU	AC	230	230	602	6/1/2011 LGE Monroe	Cornish Mountain	15 - Overhesingle pole concrete			Georgia Transmission Corpor Cooperative
U SERC	SOU	AC	230	230	602	6/1/2011 Kiln	Picavune	22 - Overhe H-frame concrete	1351 ACSR Single		Mississippi Power Company IOU
U SERC	SOU	AC	230	230	602	5/31/2012 Mitchell	Slappy Drive	13 - Overhesingle pole steel	1351 ACSR Single	1 1 7140	Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2012 Line Creek	Ono	51 - Overhe H-frame steel	1351 ACSR Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2012 Dorchester	W Brunswick	40 I - Overhe H-frame steel	1351 ACSR Single	1 1 /140	Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2012 Klondike	Stockbridge	12 I - Overhe H-frame steel	1351 ACSR Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2012 JC Penny tap	JC Penny	2 I - Overhesingle pole steel	1351 ACSR Single	1 1 7140	Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2012 Camp Creek	ONO	6 I - Overhesingle pole concrete	1351 ACSR Single	1 1 7197	Georgia Transmission Corpor Cooperative
U SERC	SOU	AC	230	230	602	6/1/2013 HOPEWELL	MCGRAU FORD	11 - Overhe H-frame steel	1351 ACSR Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2013 Scherer	Arkwright	181 - Overhe H-frame steel	1351 ACSR Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2013 Scherer	Barnesville	301 - Overhe H-frame steel	1351 ACSR Single	1 1 7140	Georgia Power Company IOU
OLITO	SOU	AC	230	230	602	6/1/2013 Scherer	Dorsett	oo oronig ii namo otoo.	1351 ACSR Single	1 1 7140	Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2013 Scherer	Lloyd Shoals	30 - Overhe H-frame steel	1351 ACSR Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	664	6/1/2013 South Hall	Suwanee	10 I - Overhe H-frame steel	1622 ACSR Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2013 Bio	Center	31 I - Overhesingle pole steel	1351 ACSR Single	1 1 7197	Georgia Transmission Corpoi Cooperative
U SERC	SOU	AC	230	230	602	6/1/2013 Hopewell	Brandywine	3 I - Overhesingle pole steel	1351 ACSR Single	1 1 7197	Georgia Transmission Corpor Cooperative
U SERC	SOU	AC	230	230	866	6/13/2013 Yellowdirt	Hickory Level	6 - Overhesingle pole steel	795 ACSR Double	2 2 7197	Georgia Transmission Corpor Cooperative
U SERC	SOU	AC	230	230		5/31/2014 Bessemer	Magella	81 - Overhe Unknown Unknown	1351 ACSR Single	1 1 195	Alabama Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2014 Gordon	North Dublin	321 - Overhe H-frame wood	1351 ACSR Single		
U SERC	SOU	AC	230	230	602	6/1/2014 Gordon 6/1/2014 McDonough	Stockbridge		1351 ACSR Single	2 2 7140	
U SERC	SOU	AC	230	230	602	6/1/2014 CLERMONT JCT.	South Cleveland	17 I - Overhesingle pole steel	1351 ACSR Single	1 1 7140	Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2014 Bethbara	East Walton	61 - Overhe H-frame steel	1351 ACSR Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	580	6/1/2014 LPM-Monroe	Cornish Mountain	20 I - Overhesingle pole steel	1351 ACSR Single		Municipal Electric Authority of Municipal
U SERC	SOU	AC	230	230	602	6/1/2015 Kettle Creek	Offerman	21 I - Overhesingle pole concrete	1351 ACSR Single		Georgia Transmission Corpoi Cooperative
U SERC	SOU	AC	500	500	3429	6/1/2011 Klondike	Scherer	491 - Overhe tower steel	1113 ACSR Triple		Georgia Power Company IOU
U SERC	SOU	AC	500	500	3429	6/1/2011 Ohara	Scherer	521 - Overhe tower steel	1113 ACSR Triple		Georgia Power Company IOU
U SERC	SOU	AC	230	230	573	1/1/2006 Greene County	Meridian	571 - Overhe tower steel	1351 ACSR Single		Mississippi Power Company IOU
U SERC	SOU	AC AC	230	230	573	1/1/2006 Greene County	Sykes		1351 ACSR Single	1 12080	Mississippi Power Company IOU Mississippi Power Company IOU
OLITO							- j	001 010110 101101 01001		1 12686	
U SERC	SOU	AC	230	230	573	1/1/2006 Sykes	Sweatt	16 - Overhe tower steel	1351 ACSR Single		Mississippi Power Company IOU
U SERC	SOU	AC	230	230	573	1/1/2006 Moss Point East	North Theodore	25 I - Overhe tower steel	1351 ACSR Single		Mississippi Power Company IOU
U SERC	SOU	AC	230	230	502	3/31/2006 South Bessemer TS	Duncanville SS	27 - Overhe Unknown Unknown	1033 ACSR Single	1 1 195	Alabama Power Company IOU
U SERC	SOU	AC	230	230	866	6/1/2007 Goshen	Vogtle (white)	181 - Overhe H-frame steel	795 ACSR Double		Georgia Power Company IOU
U SERC	SOU	AC	230	230	866	6/1/2007 Goshen	Vogtle (black)	181 - Overhe H-frame steel	795 ACSR Double		Georgia Power Company IOU
U SERC	SOU	AC	230	230	602	6/1/2008 Austin Drive	Klondike	131 - Overhesingle pole steel	1351 ACSR Single	1 1 12100	Municipal Electric Authority of Municipal
U SERC	SOU	AC	230	230	1342		Chickasaw	TO COMMON GIVE PORT		1 1 100	Alabama Power Company IOU
						5/31/2009 Barry					
U SERC	SOU	AC	230	230	807	5/1/2010 South Bainbridge	GA/FLA State Line	141 - Overhe H-frame steel	1351 Other Single		Georgia Power Company IOU
U SERC	SOU	AC	230	230	807	6/1/2010 East Watkinsville	Russell	50 I - Overhe H-frame steel	1351 Other Single	1 1 7140	Georgia Power Company IOU
U SERC	SOU	AC	230	230	693	3/31/2011 Barry	IPSCO	4 - Overhe Unknown Unknown	1351 ACSR Single	1 1 195	Alabama Power Company IOU
U SERC	SOU	AC	230	230		3/31/2013 Miller	Gorgas	11 I - Overhe Unknown Unknown	1351 Other Single		Alabama Power Company IOU
U SERC	SOU	AC	230	230	693	5/1/2013 Miller	Boyles	171 - Overhe tower Unknown	1351 ACSR Single		Alabama Power Company IOU
U SERC	SOU	AC	230	230	1018	6/1/2013 Norcross	Berkeley Lake	31 - Overhe H-frame steel	1033 ACSR Double		Georgia Power Company IOU
U SERC	SOU	AC	230	230	1018	6/1/2013 Notcloss 6/1/2013 South Hall	Candler	11 - Overhe H-frame steel	1033 ACSR Double		Georgia Power Company IOU
	SOU	AC	230	230		12/31/2013 Barry	Crist		1351 ACSR Single	1 7801	Gulf Power Company IOU
U SERC	SOU	AC	230	230	502	5/31/2014 Gaston	Turf Club	32 I - Overhe Unknown Unknown	1033 ACSR Single		Alabama Power Company IOU
U SERC	SOU			230		5/31/2014 Bessemer	South Bessemer	16 I - Overhe Unknown Unknown	1351 Other Single		Alabama Power Company IOU
U SERC		AC	230			10/1/2014 Boulevard	Lindberg	3 I - Overhesingle pole steel	1351 ACSR Single		
U SERC	SOU	AC	230	230	596		East Pelham	18 - Overhe tower Unknown		1 1 7140	Georgia Power Company IOU
	SOU					5/31/2015 Gaston		101 - Overne tower Unknown	1033 ACSR Single		
	SOU	AC AC	230 230	230 230	577		Montgomery SS		1033 ACSR Single	1 2 195	Alabama Power Company IOU
U SERC	SOU	AC AC AC	230 230 230	230 230 230	577 807	5/31/2015 County Line Road TS	Montgomery SS Montgomery	14 - Overhe Unknown Unknown	1033 ACSR Single 1351 ACSR Single	1 2 195 1 1 195	Alabama Power Company IOU Alabama Power Company IOU
U SERC U SERC	SOU SOU TVA	AC AC AC AC	230 230 230 500	230 230 230 500	577 807 2598	5/31/2015 County Line Road TS 6/1/2008 Cumberland	Montgomery	141 - Overhe Unknown Unknown 401 - Overhe tower steel	1033 ACSR Single 1351 ACSR Single 954 ACSR Triple	1 2 195 1 1 195 1 18642	Alabama Power Company IOU Alabama Power Company IOU Tennessee Valley Authority Federal/State
U SERC U SERC U SERC	SOU SOU TVA TVA	AC AC AC AC AC	230 230 230 500 345	230 230 230 500 345	577 807 2598 1195	5/31/2015 County Line Road TS 6/1/2008 Cumberland 6/1/2007 J.K. Smith	Montgomery North Clark	14 - Overhe Unknown Unknown 40 - Overhe tower steel 18 - Overhe H-frame steel	1033 ACSR Single 1351 ACSR Single 954 ACSR Triple 954 ACSR Double	1 2 195 1 1 195 1 1 18642 3 3 5580	Alabama Power Company IOU Alabama Power Company IOU Tennessee Valley Authority Federal/State East Kentucky Power Cooper Cooperative
U SERC U SERC U SERC U SERC	SOU SOU TVA TVA	AC AC AC AC AC	230 230 230 500 345 345	230 230 230 500 345 345	577 807 2598 1195 1195	5/31/2015 County Line Road TS 6/1/2008 Cumberland 6/1/2007 J.K. Smith 6/30/2009 J.K. Smith	Montgomery North Clark Bryantsville	14 i - Overhe Unknown Unknown 40 i - Overhe tower steel 18 i - Overhe H-frame steel 36 i - Overhe H-frame steel	1033 ACSR Single 1351 ACSR Single 954 ACSR Triple 954 ACSR Double 954 ACSR Double 954 ACSR Double 954 ACSR Double 9554 ACSR Double 9554 ACSR Double 9555 ACSR DOUBLE	1 2 195 1 1 195 1 1 18642 3 3 5580 2 2 5580	Alabama Power Company IOU Alabama Power Company IOU Tennessee Valley Authority Federal/State East Kentucky Power Cooper Cooperative East Kentucky Power Cooper Cooperative
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U SERC U U U U U U U U U	SOU SOU TVA TVA TVA TVA	AC AC AC AC AC AC AC AC AC	230 230 230 500 345 345 500 500	230 230 230 500 345 345 500 500	577 807 2598 1195 1195 2598 2598	5/31/2015 County Line Road TS 6/1/2008 Cumberland 6/1/2007 J.K. Smith 6/30/2009 J.K. Smith 5/1/2007 Johnsonville 5/1/2007 Sequoyah	Montgomery North Clark Bryantsville Jackson Georgia State Line	14 - Overhe	1033 ACSR Single	1 2 195 1 1 195 1 1 18642 3 3 5580 2 2 5580 1 1 18642 1 1 18642	Alabama Power Company IOU Alabama Power Company IOU Internet Power Company IOU Tennessee Valley Authority Federal/State East Kentucky Power Coopet Cooperative East Kentucky Power Coopet Cooperative Tennessee Valley Authority Federal/State Tennessee Valley Authority Federal/State
U SERC U U SERC U U SERC U U SERC U U SERC U U U U U U U U U	SOU SOU TVA TVA TVA TVA TVA TVA	AC	230 230 230 500 345 345 500 500	230 230 230 500 345 345 500 500 500	577 807 2598 1195 1195 2598 2598 2598	5/31/2015 County Line Road TS 6/1/2008 Cumberland 6/1/2007 J.K. Smith 6/30/2009 J.K. Smith 5/1/2007 Johnsonville 5/1/2007 Sequoyah 6/1/2007 Shelby	Montgomery North Clark Bryantsville Jackson	14 - Overhe Unknown Unknown 40 - Overhe tower steel 18 - Overhe H-frame steel 36 - Overhe H-frame steel 53 - Overhe tower steel 20 - Overhe tower steel 35 - Overhe tower steel Solve So	1033 ACSR Single	1 2 195 1 1 195 1 1 18642 3 3 5580 2 2 5580 1 1 18642 1 1 18642 1 1 18642	Alabama Power Company Alabama Power Company Tennessee Valley Authority East Kentucky Power Cooper East Kentucky Power Cooper East Kentucky Power Cooper Tennessee Valley Authority Tennessee Valley Authority Tennessee Valley Authority Federal/State Tennessee Valley Authority Federal/State
U SERC U	SOU SOU TVA TVA TVA TVA	AC A	230 230 230 500 345 345 500 500	230 230 230 500 345 345 500 500	577 807 2598 1195 1195 2598 2598	5/31/2015 County Line Road TS 6/1/2008 Cumberland 6/1/2007 J.K. Smith 6/30/2009 J.K. Smith 5/1/2007 Johnsonville 5/1/2007 Sequoyah	Montgomery North Clark Bryantsville Jackson Georgia State Line	14 - Overhe	1033 ACSR Single	1 2 195 1 1 195 1 1 18642 3 3 5580 2 2 5580 1 1 18642 1 1 18642 1 1 18642	Alabama Power Company IOU Alabama Power Company IOU Internetsee Valley Authority Federal/State East Kentucky Power Cooper Cooperative East Kentucky Power Cooper Cooperative Tennessee Valley Authority Federal/State
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U SERC U	SOU SOU TVA	AC A	230 230 230 500 345 345 500 500 500 500	230 230 230 500 345 345 500 500 500 500 500	577 807 2598 1195 1195 2598 2598 2598 2598 1732 2119	5/31/2015 County Line Road TS 6/1/2008 Cumberland 6/1/2007 J.K. Smith 6/30/2009 J.K. Smith 5/1/2007 Johnsonville 5/1/2007 Sequoyah 6/1/2007 Shelby 6/1/2007 Cordova 9/1/2007 Browns Ferry	Montgomery North Clark Bryantsville Jackson Georgia State Line Lagoon Creek Freeport Madison	14 Overhe Unknown Unknown 400 Overhe tower steel 18 Overhe H-frame steel 36 Overhe tower steel 36 Overhe tower steel 200 Overhe tower steel 35 Overhe tower steel 35 Overhe tower steel 27 Overhe tower steel 37 Overhe tower STEEL	1033 ACSR Single	1 2 195 1 1 195 1 1 18642 3 3 5580 2 2 5580 1 1 18642 1 1 18642 1 1 18642 1 1 18642 1 1 18642 1 1 18642	Alabama Power Company Alabama Power Company IOU Tennessee Valley Authority East Kentucky Power Coopet East Kentucky Power Coopet East Kentucky Power Coopet East Kentucky Power Coopet Tennessee Valley Authority Tederal/State
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U SERC U	SOU SOU TVA TVA TVA TVA TVA TVA TVA TVA TVA	AC A	230 230 230 500 345 345 500 500 500 500 500 500	230 230 230 500 345 345 500 500 500 500 500 500	577 807 2598 1195 1195 2598 2598 2598 2598 1732 2119 2598 2598	\$331,2015 County Line Road TS 6/1/2008 Cumberland 6/1/2007 J.K. Smith 6/30/2009 J.K. Smith 5/1/2007 Johnsonville 5/1/2007 Shelby 6/1/2007 Gordova 9/1/2007 Browns Ferry 9/1/2007 Wilsion 9/1/2007 Wilsion	Montgomery North Clark Bryantsville Jackson Georgia State Line Lagoon Creek Freeport Madison Pin Hook Pin Hook	14 - Overhe Unknown Unknown 40 - Overhe Horame steel 18 - Overhe Horame steel 36 - Overhe Horame steel 36 - Overhe tower steel 20 - Overhe tower steel 27 - Overhe tower steel 37 - Overhe tower steel 37 - Overhe tower steel 37 - Overhe tower steel 28 - Overhe tower steel 28 - Overhe tower steel 28 - Overhe tower steel 38 - Overhe 38	1033 ACSR Single	1 2 195 1 1 195 1 1 18642 3 3 5580 2 2 5580 1 1 18642 1 1 18642	Alabama Power Company Alabama Power Company IOU Tennessee Valley Authority East Kentucky Power Coopet East Kentucky Power Coopet East Kentucky Power Coopet East Kentucky Power Coopet Tennessee Valley Authority Tennessee Valley Authority Tennessee Valley Authority Tennessee Valley Authority Federal/State Tennessee Valley Authority Federal/State Tennessee Valley Authority Federal/State
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U	SERC	VAC	AC	230	230	956		Bennettsville	Bennettsville (PEC)		I - Overhe				ACSR	Double	1	1		South Carolina Public Service	Federal/State 100
U	SERC	VAC	AC	230	230	628		Cape Fear	Siler City		l - Overhe			1590			1	1		Progress Energy Carolinas	IOU 100
U	SERC	VAC	AC	230	230	1256	6/1/2008		Falls		I - Overhe		steel	1590	ACSR		0	1	3046	Progress Energy Carolinas	IOU 100
U	SERC	VAC	AC	230	230	800		Pleasant View	Hamilton		I - Overhe			636	ACSR		1	1		Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	230	230	475	12/1/2008	Denny Terrace	Pineland	8	I - Overhe	single pole	steel	1272	ACSR	Single	1	1	17539	South Carolina Electric & Gas	
U	SERC	VAC	AC	230	230	956	1/1/2009	Kingstree	Lake City	13	I - Overhe	single pole	steel	1272	ACSR	Double	1	1	17543	South Carolina Public Service	Federal/State 100
U	SERC	VAC	AC	230	230	956	1/1/2009		Aiken		I - Overhe		steel	1272	ACSR	Double	1	1	17543	South Carolina Public Service	Federal/State 100
U	SERC	VAC	AC	230	230	1047	5/31/2009	Bristers	Gainesville	15	I - Overhe	tower	steel	636	ACSR	Double	1	2	19876	Dominion Virginia Power	IOU 100
Ü	SERC	VAC	AC	230	230	797		Harrisonburg	Valley		I - Overhe		steel	636	ACSR	Double	1	2		Dominion Virginia Power	IOU 100
Ü	SERC	VAC	AC	230	230	628	6/1/2009		Lee		1 - Overhe		steel	1590	ACSR		1	1		Progress Energy Carolinas	IOU 100
ü	SERC	VAC	AC	230		1256					1 - Overhe		steel	1590		Cingle	,				IOU 100
U					230			Rockingham	Wadesboro Bowman Sch								U	1		Progress Energy Carolinas	
U	SERC	VAC	AC	230	230	956	6/1/2009		Campfield	14	I - Overhe	single pole	steel	1272	ACSR		1	1		South Carolina Public Service	
U	SERC	VAC	AC	230	230	797		Chickahominy	Old Church		I - Overhe		steel	636			1	2		Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	230	230	515	5/31/2010	Clark	Idylwood	4	I - Overhe	single pole	steel	1192			2	2		Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	230	230	800	5/31/2010	Landstown	Yadkin	16	I - Overhe	tower	steel	636	ACSR		1	2	19876	Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	230	230	628	6/1/2010	Kinston DuPont	Greenville	30	I - Overhe	single pole	steel	1590	ACSR	Single	0	1	3046	Progress Energy Carolinas	IOU 100
U	SERC	VAC	AC	230	230	1047	6/30/2010	Bristers	Garrisonville		I - Overhe		steel	636	ACSR	Double	2	2	19876	Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	230	230	475	5/1/2012	Pepperhill	Pepperhill Tap	1	I - Overhe	single pole	steel	1272	ACSR	Single	1	1		South Carolina Electric & Gas	IOU 100
Ü	SERC	VAC	AC	230	230	475		Pepperhill	Pepperhill Tap	1	I - Overhe	single pole	steel	1272	ACSR		1	1		South Carolina Electric & Gas	IOU 100
Ü	SERC	VAC	AC	230	230	722		Chickahominy	Lanexa	1/	1 - Overhe		steel		Aluminum		1			Dominion Virginia Power	IOU 100
Ü	SERC	VAC	AC	230	230	475		Summerville		1-	I - Overhe	oingle pole	steel	1272		Cinale	- 1			South Carolina Electric & Gas	
U				230		628			Pepperhill					1590							
	SERC	VAC	AC		230		6/1/2014		Marion (PEC)		I - Overhe		steel				1	1	3046	Progress Energy Carolinas	
U	SERC	VAC	AC	230	230	352		A M Williams	Mt Pleasant		I - Overhe		wood	795			1 1	1		South Carolina Electric & Gas	
U	SERC	VAC	AC	230	230	800		Landstown	Virginia Beach		I - Overhe	tower	steel	636	ACSR		2	2		Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	500	500	2600	5/31/2006		Doubs		I - Overhe		steel		Aluminum		1	1		Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	500	500	2600	5/31/2007	Morrisville	Brister	9	I - Overhe	tower	steel	1033	ACSR	Triple	1	1	19876	Dominion Virginia Power	IOU 100
U	SERC	VAC	AC	500	500	2600	11/30/2013		Cloverdale		I - Overhe		steel		Aluminum		1	1		Dominion Virginia Power	IOU 100
Ü	SERC	VAC	AC	230	230	705		Chesapeake	Greenwich		I - Overhe		steel	1033	ACSR	Single	2	2		Dominion Virginia Power	IOU 100
Ü	SERC	VAC	AC	230	230	818			Riverview Switching Stati		OH - Ove		steel			Double	2			Duke Power Company	IOU 100
Ü	SERC	VAC	AC	230	230	818	6/1/2006	Ripp Switching Station	Riverview Switching Stati		OH - Ove		steel		ACSR	Double	2		5416	Duke Power Company	IOU 100
ŭ		VAC	AC	230	230	706	5/31/2007		Ox		OH - Ove		steel		ACSR	Single	1 1	1		Dominion Virginia Power	IOU 100
U		VAC	AC	230	230	956	12/31/2007		Jefferies		OH - Ove		wood		ACSR	Double	1	-		South Carolina Public Service	
U															ACSR		1 1	1			
		VAC	AC	230	230	797		Brambleton	Loudoun		OH - Ove					Single	1	1		Dominion Virginia Power	
U		VAC	AC	230	230	797	5/31/2008		Idylwood		OH - Ove				ACSR	Single	1	1		Dominion Virginia Power	IOU 100
U		VAC	AC	230	230	950	5/1/2013	A M Williams	Goose Creek	10	OH - Ove	single pole	steel	1272	ACSR	Double	1	1	17539	South Carolina Electric & Gas	
U	SERC	VAC	AC	230	230	950	12/1/2013	Canadys	Church Creek		OH - Ove	single pole	steel	1272	ACSR	Double	1	1	17539	South Carolina Electric & Gas	IOU 100
U	SERC	VAC	AC	230	230	846	12/1/2006	McGuire Switching Stati	Lincoln Combustion Turbi	5	OH - Ove	tower	steel	795	ACSR	Double	2	2 0	5416	Duke Power Company	IOU 100
U	SERC	VAC	AC	230	230	846			McGuire Switching Statio		I - Overhe		steel	795	ACSR	Double	2	0	5416	Duke Power Company	IOU 100
Ú	SERC	VAC	AC	230	230	846			Lincoln Combustion Turbi		I - Overhe		steel	795		Double	2	0		Duke Power Company	IOU 100
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·	MECC			240	240	560	02 2007	Peigan AB	North Lethbridge AB	36	OH	0	0		0	0	0	0		AESO	0
	WECC	0	AC	230	230	534	01 2007	North Lethbridge AB	U. S. Border	60	OH	0	0		0	0	0	0	0	ALTA	0
С	WECC	0	AC AC	230 230	230 230	534 600	01 2007 10 2008	North Lethbridge AB Arnott BC	U. S. Border VIT BC	60 43	OH	0	0		0	0	0	0	0	ALTA BCHA	0
C	WECC	0	AC AC AC	230 230 230	230 230 230	534 600 508	01 2007 10 2008 12 2009	North Lethbridge AB Arnott BC V. Lake Terminal BC	U. S. Border VIT BC R.G. Anderson BC	60 43 17	OH OH	0 0 0	0 0		0 0	0 0	0 0	0 0	0 0	ALTA BCHA FBC	0 0 0
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T T T	WEC	CC	0																
	WEC			AC	230	230	320	12 2009		Pahrump NV	11		0 0		0 0		0 VEA	0	
		CC	0	AC	230	230	1200	03 2010	Las Vegas NV	Las Vegas NV	1	OH	0 0	0	0 0	0	0 NEVP	0	
	WEC	CC	0	AC	230	230	1200	03 2010	Las Vegas NV	Las Vegas NV	1	OH	0 0	0	0 0	0	0 NEVP	0	
	WEC		0	AC	500	525	3000			Las Vegas NV	8			0	0 0		0 NEVP	0	
Ť	WEC		0	AC	500	525	3000	06 2010		Las Vegas NV	8		0 0		0 0		NEVP	0	
Ť	WEC		0	AC	230	230	810	06 2010	Las Vegas NV	Las Vegas NV	18		0 0		0 0		DINEVP	0	
÷	WEC		0	AC	230	230	810				18		0 0		0 0		0 NEVP	0	
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										Las Vegas NV									
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Т	WEC	CC	0	AC	230	230	1200	06 2010	Phoenix AZ	Phoenix AZ	4	OH	0 0	0	0 0		0 APS	0	
Ť	WEC		0	AC	230	230	1200			Phoenix AZ	12		0 0		0 0		DAPS	0	
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⊢÷			•		000	000				Moenkopi AZ		-			0			Ü	
	WEC		0	AC	500	500	1200			Mesa AZ	87	OH	0 0		0 0		0 SRP	0	
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T	WEC		0	AC	230	230	810			Las Vegas NV	1	OH			0 0		NEVP	0	
T	WEC	CC	0	AC	230	230	810	06 2011	Las Vegas NV	Las Vegas NV	16	OH	0 0	0	0 0	0	0 NEVP	0	
T	WEC	CC	0	AC	230	230	810	06 2011		Las Vegas NV	1	OH	0 0	0	0 0	0	0 NEVP	0	
Т	WEC	CC	0	AC	500	525	3000			Las Vegas NV	61	OH	0 0	0	0 0	0	0 NEVP	0	
Ť	WEC		0	AC	500	500	1300			Marketplace NV	218				0 0		D DPA	0	1
Ť	WEC		0	AC	500	500	1000	06 2012		Red Rock AZ	60				0 0		TEP	0	
Ť	WEC		0	AC	500	500	1200			Yuma AZ	115		0 0		0 0		DIAPS	0	+
⊢÷-																			+
ᆣ	WEC		0	AC	500	500	1200		Northwest of Phoenix AZ		40	OH	0 0		0 0		DAPS	0	↓
T	WEC		0	AC	345	345	1195			Ojo Tap East NM	71	-	0 0	Ü	0 0		PNM	0	
T	WEC		0	AC	345	345	1195			West Mesa NM	125				0 0		PNM	0	
T	WEC		0	AC	500	525	3000			Las Vegas NV	1	OH	0 0	0	0 0		NEVP	0	
T	WEC	CC	0	AC	500	525	3000	06 2014	Las Vegas NV	Las Vegas NV	1	OH	0 0	0	0 0	0	0 NEVP	0	
Т	WEC		0	AC	230	230	1600			Las Vegas NV	1	OH		0	0 0		0 NEVP	0	1
Т	WEC		0	AC	230	230	1600			Las Vegas NV	1	OH		0	0 0		NEVP	0	
Ť	WEC		0	AC	230	230	810	06 2014		Las Vegas NV	. 8				0 0		0 NEVP	0	1
Ť	WEC		0	AC	500	500	1000	12 2014	Red Rock AZ	Winchester AZ	80				0 0		TEP	0	1
Ť	WEC		0	AC	345	345	581			Vail AZ	40		0 0		0 0		DITEP	0	
Ť			0		345	345					14		0 0		0 0) TEP	0	
÷	WEC		0	AC			925	12 2014		Sahuarita AZ) TEP	0	
	WEC		·	AC	345	345	925	12 2014		Greenlee AZ	110				0				
T	WEC		0	AC	345	345	925			Sahuarita AZ	178				0 0		0 TEP	0	
T	WEC		0	AC	345	345	425			Sahuarta AZ	68		0 0		0 0	0	TEP	0	
T	WEC		0	AC	345	345	925			Nogales AZ	60		0 0		0 0		TEP	0	
T	WEC	CC	0	AC	345	345	925	12 2014	Sahuarita AZ	Nogales AZ	60	OH	0 0	0	0 0	0	0 TEP	0	
T	WEC	CC	0	AC	230	230	1200	06 2015		Phoenix AZ	7	OH	0 0	0	0 0	0	0 APS	0	
Т	WEC	CC	0	AC	230	230	810			Las Vegas NV	16	OH	0 0	0	0 0	0	0 NEVP	0	
Ť	WEC		0	AC	230	230	810			Las Vegas NV	15	OH	0 0	0	0 0	0	0 NEVP	0	
Ť	WEC		0	AC	230	230	319	06 2006		Kelker CO	14		0 0		0 0		CSU	0	
Ť	WEC		0	AC	230	230	378	10 2006		Fort Collins CO	30				0 0	0	D PRPA	0	
Ť	WEC		0	AC	230	230	800			Smoky Hill #1 CO	10				0 0		DPSC	0	
÷	WEC		0	AC	230	230	800			Smoky Hill #2 CO	10						DIPSC	0	
⊢ ⊹																		-	
<u> </u>	WEC		0	AC	230	230	495			Arapahoe CO	7		0 0		0 0		0 PSC	0	
T	WEC		0	AC	230	230	472			Loveland CO	10		0 0		0 0		PRPA	0	
T	WEC		0	AC	230	230	500			Spruce CO	8		0 0	0	0 0		PSC	0	
T	WEC	CC	0	AC	230	230	500	05 2008	Chambers CO	Tower CO	8	OH	0 0	0	0 0	0	PSC	0	
T	WEC	CC	0	AC	230	230	374	12 2008	Hughes WY	Sheridan WY	105	OH	0 0	0	0 0	0	BEPC	0	
Т	WEC		0	AC	230	230	360			Platteville CO	21	OH	0 0	0	0 0		D PRPA	0	1
Ť	WEC		0	AC	230	230	613			San Luis Valley CO	80			0	0 0		TSGT	0	
Ť	WEC		0	AC	230	230	402			Ault CO	35		0 0		0 0		DWACM	0	t
÷	WEC		0	AC	230	230	402			Miracle Mile WY	146				0 0		0 WACM	0	
÷	WEC		0	AC	345	345	1200			Daniels Park #1 CO	125		0 0		0 0		D PSC	0	
Ť	WEC		0	AC	345	345	1200			Daniels Park #1 CO Daniels Park #2 CO	125				0 0		DIPSC DIPSC	0	+
Ť	WEC		0	AC	345	345	1200	06 2006		SLC UT	125		0 0		0 0		D PAC	0	
_																			 '
Т	WEC		0	AC	345	345	1396	06 2006		SLC UT	2		0 0		0 0		D PAC	0	 '
Т	WEC		0	AC	230	230	418			Beaverton OR	5	OH	0 0		0 0		PGE	0	1
T	WEC		0	AC	230	230	478			Nampa ID	3	OH	0 0		0 0		0 IPC	0	
T	WEC		0	AC	230	230	402			Lone Pine OR	3	OH		0	0 0		PAC	0	
T	WEC		0	AC	230	230	534	03 2007	Great Falls MT	US - Canada Border	145		0 0	0	0 0		NWMT	0	
Т	WEC		0	AC	230	230	550			Eden ID	70		0 0	0	0 0		0 IPC	0	
T	WEC		0	AC	345	345	1163	05 2007	Bluffdale UT	Mona UT	46	OH	0 0	0	0 0	0	D PAC	0	
Ť	WEC		0	AC	230	230	480			Berrydale WA	10		0 0		0 0	0	PSE	0	t
÷	WEC		0	AC	230	230	1420		Olympia WA	Shelton WA	14		0 0	Ü	0 0	0	0 BPA	0	
÷	WEC		0	AC	230	230	797			Shawnee WA	60		0 0	-	0 0			0	
- <u> </u>			0								60						0 AVA		 '
	WEC			AC	230	230	550			Mountain Home ID	6	OH	0 0		0 0		IPC	0	!
T	WEC		0	AC	230	230	697			Boise ID	36	OH	0 0		0 0		0 IPC	0	
Т	WEC		0	AC	345	345	1396			Soda Springs ID	1	-			0 0		PAC	0	
T	WEC		0	AC	345	345	1163			Cedar City UT	1	-		0	0 0		PAC	0	
T	WEC	cc	0	AC	345	345	1076	08 2008	Reno NV	Virginia City NV	20		0 0	0	0 0		0 SPR	0	
Т	WEC	CC	0	AC	230	230	418	11 2008	Carver OR	Oregon City OR	5		0 0	0	0 0	0	PGE	0	1
Т	WEC	CC	0	AC	345	345	1396	05 2010		SLCUT	10		0 0	0	0 0	0	0 PAC	0	
Ť	WEC		0	AC	345	345	1396			SLC UT	1	OH	0 0		0 0		0 PAC	0	t
÷	WEC		0	AC	230	230	550	05 2010		Boise ID	14		0 0		0 0		DIPC	0	t
T T	WEC		0	AC	230	230	394			Boise ID	-100	OH	0 0	-	0 0		DIPC	0	
	WEC		0	AC	230	230	394			Eagle ID	78	OH	0 0		0 0		D IPC	0	
			0	AC	230	230	394	05 2010	Fools ID	Boise ID	22				0 0		DIPC	0	
T	VA/EC		U		500	525		05 2010 06 2010	Eagle ID	Las Vegas NV	250							U	1
T	WEC		0	AC											0 0	0	0 SPR		

T	WECC	0	AC	500	500	3000			Midpoint ID	4		0 (0	0	0	0 IPC	0 0
T	WECC	0	AC	500	500	3000	12 2011		Melba ID	120	OH	0 (0	0	0	0 IPC	0 0
T	WECC	0	AC	500	500	3000			Burns OR	-260	OH	0 (0	0	0	0 IPC	0 0
T	WECC	0	AC	500	500	3000			Burns OR	145	OH	0 (0	0	0	0 IPC	0 0
T	WECC	0	AC	230	230	349		Melba ID	Happy Valley OR	20	OH	0 (0	0	0	0 IPC	0 0
T	WECC	0	AC	230	230	349	12 2011		Mora OR	12	OH	0 (-	0	0	0	0 IPC	0 0
T	WECC	0	AC	345	345	1076	08 2013		Reno NV	15	OH	0 (0	0	0	0 SPR	0 0
T	WECC	0	AC	500	500	1200			Wells NV	130	ОН	0 (0	0	0 IPC	0 0
T	WECC	0	AC	500	500	1200			Ely NV	150	OH	0 (0	0	0	0 IPC	0 0
Т	WECC	0	AC	230	230	418	06 2014	Gresham OR	Troutdale OR	9	OH	0 (0		0	0	0	0 PGE	0 0
Т	WECC	0	AC	230	230	597	11 2015	Sherwood OR	Sherwood OR	5	OH	0 (0		0	0	0	0 PGE	0 0
Т	WECC	0	AC	230	230	400	05 2006	Dublin CA	Livermore CA	8	OH	0 (0	0	0	0 PG&E	0
Т	WECC	0	AC	500	500	3950	06 2006	Lugo CA	Serrano CA	-50	OH	0 (0	0	0	0	0 SCE	0 0
T	WECC	0	AC	500	500	3950	06 2006	Lugo CA	Mira Loma CA	31	OH			0	0	0	0	0 SCE	0 0
Т	WECC	0	AC	500	500	3950	06 2006	Mira Loma CA	Serrano CA	22	OH	(0	0	0	0	0 SCE	0 0
Т	WECC	0	AC	230	230	607	06 2006	San Diego CA	San Diego CA	35	OH	0 (0	0	0	0	0 SDGE	0
T	WECC	0	AC	230	230	420	06 2006	Redwood City CA	Daly City CA	27	OH	0 (0	0	0	0	0 PG&E	0
T	WECC	0	AC	230	230	912	06 2006		San Diego CA	28	OH	0 (0	0	0	0	0 SDGE	0
Т	WECC	0	AC	230	230	912	06 2007	San Diego CA	San Diego CA	20					0	0		0 SDGE	0
Т	WECC	0	AC	500	230	3950	12 2007		Pardee CA	26	OH	(0	0	0	0 SCE	0
Т	WECC	0	AC	230	230	1240			Springville CA	-77	OH	0 (0	0	0	0	0 SCE	0
T	WECC	0	AC	230	230	1240	12 2008		Rector CA	66	OH	0 (0	0	0 SCE	0
Ť	WECC	Ö	AC	230	230	1240	12 2008	Springville CA	Rector CA	51	OH	0 0			0	0	0	0 SCE	0
Ť	WECC	0	AC	500	500	2700			Devers CA	230	OH	, , ,	_		0	0	~	0 SCE	0
Ť	WECC	0	AC	500	500	3950	09 2009		Mira Loma CA	-30	OH	(0	0	0	0 SCE	0
Ť	WECC	0	AC	500	500	3450			Serrano CA	-20	OH	0 0			0	0	0	0 SCE	0
÷	WECC	0	AC	500	500	3950	06 2009		Rancho Vista CA	-20	OH	0 (0	0	0	0 SCE	0
+	WECC	0	AC	500	500	3950				30	OH				0	0	0	0 SCE	0
+	WECC	0	AC	230	230	3230			Serrano CA Etiwanda CA	30	OH	0 (0	0	0	0 SCE	0
+										1									
	WECC	0	AC	230	230	3230			Etiwanda CA	15	OH	0 (0	0	0	0 SCE	0
T	WECC	0	AC	230	230	2480			Pauda CA	·	i	0 (0	0	0	0 SCE	0
	WECC	0	AC	230	230	2480			Pauda CA	15		0 (0	0	0	0 SCE	0
T	WECC	0	AC	230	230	2480			Mira Loma CA	7	OH	0 (0	0	0	0 SCE	0
T	WECC	0	AC	230	230	2480			Mira Loma CA	7	OH	0 (0	0	0	0 SCE	0
T	WECC	0	AC	230	230	1200			Elverta CA	26	OH	0 (0	0	0	0 WASN	0
Т	WECC	0	AC	500	500	2000			San Diego CA	100		0 (0	0	0	0 SDGE	0
T	WECC	0	AC	230	230	1000	06 2010		San Diego CA	20	OH	0 (0	0	0	0	0 SDGE	0
T	WECC	0	AC	230	230	1000		San Diego CA	San Diego CA	20	OH	0 (0	0	0	0 SDGE	0
T	WECC	0	AC	230	230	797	06 2010	San Diego CA	San Diego CA	15	OH	0 (0	0	0	0 SDGE	0
Т	WECC	0	AC	500	500	2000	11 2010	Indian Hills CA	Upland CA	100	OH	0 (0	0	0	0	0 LDWP	0
Т	WECC	0	AC	500	500	2000			Upland CA	43	OH	0 (0	0	0	0	0 LDWP	0
T	WECC	0	AC	240	240	560			Goose Lake AB	19	OH	0 (0	0	0	0	0 AESO	0
T	WECC	0	AC	240	240	560			North Lethbridge AB	36	OH	0 (0	0	0	0	0 AESO	0
T	WECC	0	AC	230	230	534	01 2007	North Lethbridge AB	U. S. Border	60	OH	0 (0	0	0	0	0 ALTA	0
Т	WECC	0	AC	230	230	600			VIT BC	43	OH	0 (0	0	0	0	0 BCHA	0
Т	WECC	0	AC	230	230	508			R.G. Anderson BC	17	OH	0 (0	0	0 FBC	0
T	WECC	0	AC	230	230	508			Bentley BC	5	OH	0 (0	0	0	0 FBC	0
T	WECC	0	AC	230	230	1000	10 2011	Cranbrook BC	Invermere BC	80	OH	0 0		0	0	0	0	0 BCHA	0
T	WECC	0	AC	500	500	3000			Meridian BC	153	OH	0 (0	0	0 BCHA	0
Ť	WECC	0	AC	500	500	3000			Langdon AB	206	OH	0 0			0	0	0	0 AESO	0
Ť	WECC	ň	AC	500	500	3000			Keephills AB	10	OH	0 0			0	0	0	0 AESO	0
Ť	WECC	0	AC	500	500	3000			Ellerslie AB	20	OH	0 (0	0	0	0 AESO	0
Ť	WECC	0	AC	230	230	388			Mexicali MX	20	OH	0 0			0	0	0	0 CFF	0
Ť	WECC	0	AC	230	230	388			Wisteria MX	2	OH	0 0			0	0	0	0 CFE	0
÷	WECC	0	AC	230	230	796		Metropoli Potencia MX		Z	OH	0 0			0	0	0	0 CFE	0
÷	WECC	0	AC	230	230	430			Presidente Juarz MX	38	OH	0 0			0	0	0	0 CFE	0
÷	WECC	0	AC	230	230	430			El Ciprés MX	38	OH	0 0			0	0	0	0 CFE	0
÷	WECC	0	AC	230	230	430			Lomas MX	38		0 (0	0	0	0 CFE	0
Ť	WECC	0	AC	230	230	388			Tecnologico MX	10	OH	0 0			0	0	0	0 CFE	0
Ť		0		230	230	388			La Rosita MX	10	OH						0		0
Ť	WECC	0	AC AC	230	230	388			Sanchez Taboada MX	10	OH	0 (0	0	0	0 CFE 0 CFE	0
T										10 30		0 (0
Ť	WECC	0	AC AC	230 230	230 230	388 388		Ejido Michoacan de Oca		30	OH	0 0			0	0	0	0 CFE	0
	WECC							Ejido Michoacan de Oca											-
T	WECC	0	AC	230	230	388		Ejido Michoacan de Oca		30		0 (0	0	0 CFE	0
T	WECC	0	AC	230	230	430			La Herradura MX	50	OH	0 (0	0	0	0 CFE	0
T	WECC	0	AC	230	230	430			El Ciprés MX	52	OH	0 (0	0	0	0 CFE	0
U	WECC	0	AC	230	230	647			Walsenburg CO	113	OH	0 (0	0	0	0 TSGT	0
U	WECC	0	AC	500	525	3000			Mead Sub_NV	50	OH	0 (0	0	0	0 NEVP	0
U	WECC	0	AC	500	500	1200			Maricopa AZ	13	OH	0 (0	0	0	0 SRP	0
U	WECC	0	AC	500	500	1200		Wintersburg AZ	Mobile AZ	51	OH	0 (0	0	0	0 SRP	0
U	WECC	0	AC	230	230	1200			Phoenix AZ	14	OH	0 (0	0	0	0 APS	0
U	WECC	0	AC	230	230	320			Northwest NV	41	OH	0 (0	0	0 VEA	0
U	WECC	0	AC	230	138	192			Vista NV	25	ОН	0 (0	0	0	0	0 VEA	0
U	WECC	0	AC	230	230	400			San Juan NM	14	ОН	0 (0	0	0	0 FARM	0
U	WECC	0	AC	345	345	925	04 2008		Mobile AZ	1	OH	0 (0	0	0	0 TEP	0
U	WECC	0	AC	230	230	800	04 2008	Mesa AZ	Queen Creek AZ	12	OH	0 (0	0	0	0	0 SRP	0
U	WECC	0	AC	230	230	150	05 2008	Coachella Tap CA	Indio CA	5	OH	0 (0	0	0	0	0 IID	0
Ü	WECC	0	AC	230	230	640			Mead NV	44	OH	0 (0	0	0	0	0 VEA	0
Ü	WECC	0	AC	500	500	1300	04 2009	Four Corners NM	Red Mesa AZ	189	OH	0 (0	0	0	0	0 DPA	0
Ü	WECC	0	AC	230	230	1200			West Phoenix AZ	15	OH	0 (0	0	0	0 APS	0
Ü	WECC	0	AC	500	500	600			Phoenix AZ	45		0 0			0	0	0	0 APS	0
Ü	WECC	0	AC	230	230	1200			Pioneer AZ	9		0 0			0	0	0	0 APS	0
					·													-, -	-

U MEGC 0 AG 290 290 10																		
U VECC Fo AC 258 238 190 193 193 184 194 1	U	WECC	0	AC	230	230	320	12 2009 Vista NV	Pahrump NV	11 OH	0	0	0	0	0	0	0 VEA	0
U WESC 0 AC 500 530 500 600 10 10 10 10 10 10								03 2010 Las Vegas NV	Las Vegas NV		0			0				0
U WEST 0 AC 50 A	U	WECC	0	AC	230	230	1200	03 2010 Las Vegas NV	Las Vegas NV	1 OH	0	0	0	0	0	0	0 NEVP	0
1. WINCE 0 AC 900 650 MO 100 MA MARCHAN MARCHAN AC 0 0 0 0 0 0 0 0 0	U	WECC	0	AC	500	525	3000		Las Vegas NV	8 OH	0	0	0	0	0	0	0 NEVP	0
Value Valu	U	WECC	0	AC	500	525	3000			8 OH	0	0	0	0	0	0	0 NEVP	0
Web			0								0	0	0	0	0	0		0
1.	- ii										0	n		0				0
1.											_	-		-	-			
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1. WebCo 6. A.C. 200 250 100											_							
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V												0	0	0				0
V VECC 0 AC 180 500 120	U	WECC	0	AC	230	230	810	06 2010 Las Vegas NV	Las Vegas NV	5 OH	0	0	0	0	0	0	0 NEVP	0
V VECC D AC 200 228 101 05 05 05 05 05 05 0									Moenkopi AZ		0	0						0
U MCCC 0 AC 350 250 191	U	WECC	0	AC	500	500	1200	04 2011 Maricopa AZ	Mesa AZ	87 OH	0	0	0	0	0	0	0 SRP	0
V VECC C AC 350 25	U	WECC	0	AC	230	230	810		Las Vegas NV	16 OH	0	0	0	0	0	0	0 NEVP	0
V WECC 0 AC 230 320 000 00 2011 List Vices M V 10 DT 0 0 0 0 0 0 0 0 0			0		230	230	810				0	0	0	0	0	0		0
U WEGC O AC 280 290 800 002 001 11 x Viges W 20 10 0 0 0 0 0 0 0 0	Ū		n			230	810			16 OH	0	0				0	0 NEVP	0
U WEGC 0 AC 560 685 500 00 00 00 00 00 00	- ii		<u> </u>								0	n						0
V								06 2011 Las Vegas NV									0 NEVP	
V								12 2011 Las Vegas IVV			_							
U WECC O AC 500 500 1000 1											_							
U WECC O AC 360 350 100 00 00 00 00 00 00																		
V WECC O AC S46 S4																		
U WECC O AC Seb Se																		
WECC O AC Sep Se											_	-		-	-	-		
U WEGC O AC 250 253 3000 0.0 0																		
U WEGC O AC 250 253 3000 0.0 0											0							
U WECC 0 AC 239 239 1000 62914 Las Voges W Les Voges W		WECC	0						Las Vegas NV		0	0		0				0
WebStrong WebS	U		0								0	0						0
U WECC 0 AC 398 598 790 10 2014 Lav Yeges NV		WECC	0								0	0		0				0
U WECC 0 AC 385 385 385 1 2214 Windowster AZ 40 Oct 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								06 2014 Las Vegas NV			_							
U WECC 0 AC 345 345 95 95 1224 Windowser AC Vial AZ 40 OFH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
U WECC 0 AC 345 345 855 12 2014 Val AZ Sabusatin AZ 14 OH O O O O O O O O																		
W WECC 0											_							
WebStrong WebS																		•
U WECC 0 AC 346 345 425 12 2014 Red Rock AZ Sahusta AZ 60 OH O O O O O O O O																		
U WECC 0 AC 345 345 925 12 2014 Sahustina AZ Nogales AZ 60 OH 0 0 0 0 0 0 0 0 0																		•
WECC 0 AC 346 345																		-
U WECC O AC 230 230 810 050 050 15 Nepsin N																		
U WECC 0 AC 230 230 810 08 2015 Llas Vegas NV 16 0H 0 0 0 0 0 0 0 0 0 0 0 0 NEVP 0 0 U WECC 0 AC 230 230 810 08 2005 Nion CO Market CO 14 0H 0 0 0 0 0 0 0 0 0 0 0 0 0 NEVP 0 0 0 0 0 0 0 0 0 NEVP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											_							
U WECC 0 AC 230 230 810 06 2015 Las Vegas NV 16 0H 0 0 0 0 0 0 0 0 0 NEVP 0											0	0	0					
W WECC O AC 230 230 319 06 2006 Nixon CO Teller CO 14 OH O O O O O O O O		WECC	0	AC			810				0	0		0	0	0	0 NEVP	0
U WECC O AC 230 230 319 69 2006 Nixon CO Teller CO 14 OH O O O O O O O O	U	WECC	0	AC	230	230	810	06 2015 Las Vegas NV	Las Vegas NV		0	0	0	0	0	0		0
Weec O AC 230 230 2378 10 2006 Wellington CO Fort Collins CO 30 OH O O O O O O O O			0								0	0	0 0	0	0	0		0
Weec O	Ü		0								0	0		0	0	0		0
WECC Q AC 230 230 890 65 2007 Spruce CO Spruce CO Spruce CO O O O O O O O O O											_	-	0	-	-	-		
WECC O AC 230 230 495 05 2007 Deriver Terminal CO Angabase CO 7 OH O O O O O O O O																		
WECC O AC 230 230 472 03 2008 Fort Collins CO Loveland CO O O O O O O O O O											_							
WECC O AC 230 230 500 65 2008 Chambers CO Spruce CO S OH O O O O O O O O																		
WECC O AC 230 220 550 05 2008 Chambers CO Tower CO S OH O O O O O O O O											_							
WECC O AC 230 230 374 12 2008 Hughes WY Shendan WY 105 OH O O O O O O O O											_							
Websign Webs																		
WECC O AC 230 230 613 12 2009 Walsenburg CO San Luis Valley CO 80 OH O O O O O O O O																		
U WECC 0 AC 230 230 402 12 2009 Cheyene WY Miracle Mile WY 146 O 0 <td></td> <td>Ü</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td>												Ü						•
WECC O AC 220 220 402 12 2009 Cheyenne WY Miracle Mille WY 146 OH O O O O O O O O											_							
Webside Webs																		
WECC O AC 345 345 1396 OS 2010 Comanche CO Daniels Park #ZCO 125 OH O O O O O O O O											0		0	0				0
Webside Webs																		
U WECC O AC 345 345 1396 06 2006 SLC UT SLC UT 2 OH O O O O O O O O	U	WECC	0	AC	345	345	1200		Daniels Park #2 CO		0	0	0	0	0	0		0
WECC O AC 345	U	WECC	0	AC	345	345			SLC UT		0	0	0	0	0	0	0 PAC	0
Websilon											_		0					
WECC Q AC 230 230 478 10 2006 Nampa ID Nampa ID Slamba ID Nampa ID Nampa ID Q Q Q Q Q Q Q Q Q																		
U WECC O AC 230 230 402 11 2006 Meridian OR Lone Pine OR 3 OH O O O O O O O O													0					
U WECC O AC 230 230 534 03 2007 Great Falls MT US - Canada Border 145 OH O O O O O O O O													0					-
U WECC O AC 230 230 550 05 2007 Sulfidale UT Mona UT 46 OH O O O O O O O O																		
U WECC O AC 230 230 480 06 2007 Sulfdale UT Mona UT 46 OH O O O O O O O O												-		-	-	-		
U WECC O AC 230 23													U					
WECC O AC 230 230 1420 10 2008 Olympia WA Shelton WA 14 OH O O O O O O O O											_		U					
U WECC O AC 230 230 797 11 2007 Senewah ID Shawnee WA 60 OH O O O O O O O O								06 2007 Covington WA										
U WECC 0 AC 230 230 550 01 2008 Mountain Home ID Mountain Home ID 6 OH 0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td></th<>														-				
U WECC 0 AC 230 334 05 2010 2000 2																		
U WECC 0 AC 345 345 1396 06 2008 Soda Springs ID Soda Springs ID 1 OH 0 0 0 0 0 0 0 0 0													0					
U WECC 0 AC 345 345 1396 06 2008 Soda Springs ID Soda Springs ID 1 OH 0 0 0 0 0 0 0 0 0		WECC	0		230	230	697	04 2008 Mountain Home ID	Boise ID	36 OH	0	0	0	0	0			0
U WECC O AC 345 345 1163 06 2008 Cedar City UT Cedar City UT 1 OH O O O O O O O O	U		0								0	0	0	0	0	0		0
U WECC O AC 230 230 230 418 11 2008 Reno NV Virginia City NV 20 OH O O O O O O O O	Ū		0		345	345				1 OH	0	0	0	0	0			0
U WECC 0 AC 230 230 418 1 12:008 Carver OR Oregon City OR 5 OH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													-					
U WECC 0 AC 345 345 1396 05 2010 Bluffdale UT SLC UT 10 OH 0																		
U WECC 0 AC 345 345 1396 05 2010 Bluffdale UT SLC UT 1 OH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									SICIIT									
U WECC 0 AC 230 230 550 05 2010 Boise ID 14 OH 0 0 0 0 0 0 IPC 0 U WECC 0 AC 230 230 394 05 2010 Brownlee ID Boise ID 100 OH 0 </td <td></td>																		
U WECC 0 AC 230 230 394 05 2010 Brownlee ID Boise ID -100 OH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
U WECC 0 AC 230 230 394 05 2010 Brownlee ID Eagle ID 78 OH 0 0 0 0 0 IPC 0 U WECC 0 AC 230 230 394 05 2010 Boise ID 22 OH 0 0 0 0 0 IPC 0																		
U WECC 0 AC 230 230 394 05 2010 Eagle ID Boise ID 22 OH 0 0 0 0 0 0 0 0 PC 0												Ü	U					•
											_	-	0	-	-	-		
U WECC 0 AC 500 525 3000 06 2010 Ely NV Las Vegas NV 250 OH 0 0 0 0 0 0 SPR 0													0					0
	- 11 -	WECC	0	AC	500	525	3000	06 2010 Ely NV	Las Vegas NV	250 OH	0	0	0	0	0	0	0 SPR	0

U	WECC	0	AC	500	500	3000			Midpoint ID	4		0 0		0 0	0	0 IPC	0
U	WECC	0	AC	500	500	3000	12 2011		Melba ID	120	ОН	0 0		0 0	0	0 IPC	0
U	WECC	0	AC	500	500	3000			Burns OR	-260	OH	0 0		0 0	0	0 IPC	0
U	WECC	0	AC	500	500	3000			Burns OR	145	ОН	0 0		0 0	0	0 IPC	0
U	WECC	0	AC	230	230	349			Happy Valley OR	20	OH	0 0		0 0	0	0 IPC	0
U	WECC	0	AC	230	230	349	12 2011		Mora OR	12	OH	0 0		0 0	0	0 IPC	0
U	WECC	0	AC	345	345	1076	08 2013		Reno NV	15	OH	0 0		0 0	0	0 SPR	0
U	WECC	0	AC	500	500	1200			Wells NV	130	OH	0 0		0 0	0	0 IPC	0
U	WECC	0	AC	500	500	1200			Ely NV	150	OH	0 0		0 0	0	0 IPC	0
U	WECC	0	AC	230	230	418			Troutdale OR	9	OH	0 0		0 0	0	0 PGE	0
	WECC	0	AC	230	230	597			Sherwood OR	5	OH	0 0		0 0	0	0 PGE	0
U	WECC	0	AC AC	230 500	230 500	400 3950		Dublin CA	Livermore CA	-50	OH	0 0		0 0	0	0 PG&E 0 SCF	0
U	WECC	0	AC	500	500	3950	06 2006		Serrano CA	-50 31	OH	0 0		0 0	0		0
Ü	WECC	0	AC	500	500	3950	06 2006		Mira Loma CA Serrano CA	22	OH	0		0 0	0	0 SCE 0 SCE	0
U	WECC	0	AC	230	230	607			San Diego CA	35	OH	0 0		0 0	0	0 SDGE	0
ü	WECC	0	AC	230	230	420			Daly City CA	27	OH	0 0		0 0	0	0 PG&E	0
Ü	WECC	0	AC	230	230	912	06 2006		San Diego CA	28	OH	0 0		0 0	0	0 SDGE	0
Ü	WECC	0	AC	230	230	912	06 2000	San Diego CA	San Diego CA	20	OH	0 0		0 0	- 0	0 SDGE	0
Ü	WECC	0	AC	500	230	3950	12 2007		Pardee CA	26	OH	0		0 0	0	0 SCE	0
Ü	WECC	0	AC	230	230	1240			Springville CA	-77	OH	0 0		0 0	0	0 SCE	0
Ü	WECC	0	AC	230	230	1240	12 2008		Rector CA	66	OH	0 0		0 0	0	0 SCE	0
Ü	WECC	0	AC	230	230	1240	12 2008	Springville CA	Rector CA	51	OH	0 0		0 0	0	0 SCE	0
Ü	WECC	0	AC	500	500	2700			Devers CA	230	OH			0 0	1	0 SCE	0
Ü	WECC	0	AC	500	500	3950			Mira Loma CA	-30	OH	n		0 0	0	0 SCE	0
Ü	WECC	0	AC	500	500	3450			Serrano CA	-20	OH	0 0		0 0	0	0 SCE	0
Ü	WECC	0	AC	500	500	3950	06 2009		Rancho Vista CA	23	ОН	0 0	0	0 0	0	0 SCE	0
Ü	WECC	0	AC	500	500	3950			Serrano CA	30	ОН	0 0	0	0 0	0	0 SCE	0
Ü	WECC	0	AC	230	230	3230			Etiwanda CA	1	ОН	0 0	0 0	0 0	0	0 SCE	0
U	WECC	0	AC	230	230	3230	06 2009	Rancho Vista CA	Etiwanda CA	1	OH	0 0	0 0	0 0	0	0 SCE	0
Ü	WECC	0	AC	230	230	2480			Pauda CA	15		0 0		0 0	0	0 SCE	0
U	WECC	0	AC	230	230	2480			Pauda CA	15		0 0	0 0	0 0	0	0 SCE	0
U	WECC	0	AC	230	230	2480			Mira Loma CA	7	OH	0 0		0 0	0	0 SCE	0
U	WECC	0	AC	230	230	2480	06 2009	Rancho Vista CA	Mira Loma CA	7	OH	0 0	0 0	0 0	0	0 SCE	0
U	WECC	0	AC	230	230	1200	09 2010	O'Banion CA	Elverta CA	26	OH	0 0		0 0	0	0 WASN	0
U	WECC	0	AC	500	500	2000	06 2010	Imperial Valley CA	San Diego CA	100	OH	0 0		0 0	0	0 SDGE	0
U	WECC	0	AC	230	230	1000	06 2010		San Diego CA	20	OH	0 0	0	0 0	0	0 SDGE	0
U	WECC	0	AC	230	230	1000		San Diego CA	San Diego CA	20	OH	0 0		0 0	0	0 SDGE	0
U	WECC	0	AC	230	230	797	06 2010	San Diego CA	San Diego CA	15	OH	0 0		0 0	0	0 SDGE	0
U	WECC	0	AC	500	500	2000			Upland CA	100	OH	0 0		0 0	0	0 LDWP	0
U	WECC	0	AC	500	500	2000			Upland CA	43	ОН	0 0		0 0	0	0 LDWP	0
U	WECC	AZN	AC	230	230	647			Walsenburg CO	113	OH	0 0		0 0	0	0 TSGT	0
U	WECC	AZN	AC	500	525	3000			Mead Sub_NV	50	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	500	500	1200			Maricopa AZ	13	OH	0 0		0 0	0	0 SRP	0
U	WECC	AZN	AC	500	500	1200			Mobile AZ	51	OH	0 0		0 0	0	0 SRP	0
U	WECC	AZN AZN	AC AC	230 230	230 230	1200 320			Phoenix AZ Northwest NV	14 41	OH OH	0 0		0 0	0	0 APS 0 VFA	0
U	WECC	AZN	AC	230	138	192	06 2007		Vista NV	25	OH	0 0		0 0	0	0 VEA	0
U	WECC	AZN	AC	230	230	400			San Juan NM	14		0 0		0 0	0	0 FARM	0
U	WECC	AZN	AC	345	345	925			Mobile AZ	14	OH	0 0		0 0	0	0 TEP	0
Ü	WECC	AZN	AC	230	230	800	04 2008		Queen Creek AZ	12	OH	0 0		0 0	0	0 SRP	0
Ü	WECC	AZN	AC	230	230	150			Indio CA	5	OH	0 0		0 0	0	0 IID	0
ü	WECC	AZN	AC	230	230	640			Mead NV	44	OH	0 0		0 0	0	0 VEA	0
Ü	WECC	AZN	AC	500	500	1300			Red Mesa AZ	189	OH	0 0		0 0	0	0 DPA	0
Ü	WECC	AZN	AC	230	230	1200			West Phoenix AZ	15	OH	0 0		0 0	0	0 APS	0
Ü	WECC	AZN	AC	500	500	600			Phoenix AZ	45	OH	0 0		0 0	0	0 APS	0
Ü	WECC	AZN	AC	230	230	1200			Pioneer AZ	9	ОН	0 0		0 0	0	0 APS	0
Ü	WECC	AZN	AC	230	230	320	12 2009		Pahrump NV	11	ОН	0 0		0 0	0	0 VEA	0
U	WECC	AZN	AC	230	230	1200	03 2010		Las Vegas NV	1	OH	0 0	0	0 0	0	0 NEVP	0
U	WECC	AZN	AC	230	230	1200	03 2010	Las Vegas NV	Las Vegas NV	1	OH	0 0	0	0 0	0	0 NEVP	0
Ü	WECC	AZN	AC	500	525	3000		Las Vegas NV	Las Vegas NV	8	OH	0 0	0	0 0	0	0 NEVP	0
U	WECC	AZN	AC	500	525	3000		Las Vegas NV	Las Vegas NV	8	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	230	230	810	06 2010	Las Vegas NV	Las Vegas NV	18	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	230	230	810			Las Vegas NV	18		0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	230	230	810			Las Vegas NV	4	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	500	500	1000			Phoenix AZ	26	OH	0 0		0 0	0	0 APS	0
U	WECC	AZN	AC	500	500	2728			Table Mesa AZ	1	OH	0 0		0 0	0	0 APS	0
U	WECC	AZN	AC	230	230	1200			West Phoenix AZ	15	OH	0 0		0 0	0	0 APS	0
U	WECC	AZN	AC	230	230	1200			Phoenix AZ	4	OH	0 0		0 0	0	0 APS	0
U	WECC	AZN	AC	230	230	1200			Phoenix AZ	12	OH	0 0		0 0	0	0 APS	0
U	WECC	AZN	AC	230	230	810			Las Vegas NV	5	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	500	500	1300			Moenkopi AZ	62	OH	0 0		0 0	0	0 DPA	
U	WECC	AZN AZN	AC AC	500	500 230	1200 810			Mesa AZ	87 16	OH	0 0		0 0	0	0 SRP 0 NEVP	0
U	WECC	AZN AZN	AC AC	230 230	230	810 810	06 2011 06 2011		Las Vegas NV	16	OH	0 0		0 0	0	0 NEVP 0 NEVP	0
U	WECC	AZN AZN	AC	230	230	810 810			Las Vegas NV	16	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN AZN	AC AC	230	230	810 810			Las Vegas NV	16	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	500	525	3000			Las Vegas NV	61	OH	0 0		0 0	0	0 NEVP	0
U	WECC	AZN	AC	500	500	1300		Las Vegas NV Moenkopi AZ	Las Vegas NV Marketplace NV	218	OH	0 0		0 0	0	0 DPA	0
U	WECC	AZN	AC	500	500	1000			Red Rock AZ	60	OH	0 0		0 0	0	0 TEP	0
Ü	WECC	AZN	AC	500	500	1200			Yuma AZ	115	OH	0 0		0 0	0	0 APS	0
Ü	WECC	AZN	AC	500	500	1200		Northwest of Phoenix AZ		40		0 0		0 0	0	0 APS	o l
		,		- 555	1 000	.200	30 2012			10	U.,	, , , ,		- 1 0	+ <u> </u>	0,0	_ + _ <u> </u>

U																				
U	WECC	AZN	AC	345	345			Rio Puerco NM	Ojo Tap East NM	71 OI	H 0	0		0 (0 (0	
	WECC	AZN	AC	345	345	1195		San Juan NM	West Mesa NM	125 OI		0		0 (0 (0	
U	WECC	AZN	AC	500	525	3000	06 2014	Las Vegas NV	Las Vegas NV	1 OI		0		0 (1	0 (0	
U	WECC	AZN	AC	500	525	3000	06 2014	Las Vegas NV	Las Vegas NV	1 OI		0		0 (0 (0	
U	WECC	AZN	AC	230	230	1600	06 2014	Las Vegas NV	Las Vegas NV	1 OI	H 0	0		0 (1	0 (NEVP	0	
U	WECC	AZN	AC	230	230	1600		Las Vegas NV	Las Vegas NV	1 O	H 0	0		0 (0 (NEVP	0	
Ü	WECC	AZN	AC	230	230	810		Las Vegas NV	Las Vegas NV	8 OI	H 0	0		0 (0 (NEVP	0	
Ü	WECC	AZN	AC	500	500	1000		Red Rock AZ	Winchester AZ	80 OI		0		0 0		0 0	_		0	
Ü	WECC	AZN	AC	345	345	581		Winchester AZ	Vail AZ	40 OI		0		0 0		0 0			0	
U	WECC	AZN	AC	345	345	925	12 2014			14 OI		0		0 (0 0			0	
U				345					Sahuarita AZ			0								
	WECC	AZN	AC		345	925		Springerville AZ	Greenlee AZ										0	
U	WECC	AZN	AC	345	345	925		Maricopa Az	Sahuarita AZ	178 OI		0		0 (0 (TEP	0	
U	WECC	AZN	AC	345	345	425		Red Rock AZ	Sahuarta AZ	68 OI		0		0 (0 (0	
U	WECC	AZN	AC	345	345	925	12 2014		Nogales AZ	60 OI		0		0 (0 (0	
U	WECC	AZN	AC	345	345	925	12 2014		Nogales AZ	60 OI		0		0 (0 (0	
U	WECC	AZN	AC	230	230	1200	06 2015	Phoenix AZ	Phoenix AZ	7 OI	H 0	0		0 (1	0 (APS	0	
U	WECC	AZN	AC	230	230	810	06 2015	Las Vegas NV	Las Vegas NV	16 OI	H 0	0		0 (1	0 (NEVP	0	
U	WECC	AZN	AC	230	230	810	06 2015	Las Vegas NV	Las Vegas NV	15 OI	H 0	0		0 (1	0 (NEVP	0	
U	WECC	CNV	AC	230	230	400	05 2006	Dublin CA	Livermore CA	8 OI	H 0	0	0	0 (0 (PG&E	0	
U	WECC	CNV	AC	500	500	3950	06 2006		Serrano CA	-50 OI	H 0	0		0 (0 (0	0
Ü	WECC	CNV	AC	500	500	3950	06 2006	Lugo CA	Mira Loma CA	31 OI	Н			0 (0 (0	0
Ü	WECC	CNV	AC	500	500	3950		Mira Loma CA	Serrano CA	22 OI		0		0 (0 0			0	0
ŭ	WECC	CNV	AC	230	230	607	06 2006		San Diego CA	35 OI		0		0 0		0 0			0	
U	WECC	CNV	AC	230	230	420		Redwood City CA	Daly City CA	27 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230	912	00 2000	San Diego CA		28 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230	912			San Diego CA	28 OF		U		0 (0 (0	
					230			San Diego CA	San Diego CA			0								
U	WECC	CNV	AC	500				Antelope CA	Pardee CA			0		0 (0 (0	
U	WECC	CNV	AC	230	230	1240		Big Creek CA	Springville CA	-77 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230			Big Creek CA	Rector CA	66 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230	1240		Springville CA	Rector CA	51 OI		0		0 (0 (0	
U	WECC	CNV	AC	500	500	2700	06 2009	Harquahala AZ	Devers CA	230 OI				0 (0			0	
U	WECC	CNV	AC	500	500	3950	09 2009	Lugo CA	Mira Loma CA	-30 OI		0		0 (0 (0	
U	WECC	CNV	AC	500	500	3450	09 2009	Mira Loma CA	Serrano CA	-20 OI		0		0 (0 (0	
U	WECC	CNV	AC	500	500	3950	06 2009	Lugo CA	Rancho Vista CA	23 OI	H 0	0		0 (0 (SCE	0	
Ü	WECC	CNV	AC	500	500	3950		Rancho Vista CA	Serrano CA	30 OI	H 0	0		0 (0 (SCE	0	
Ü	WECC	CNV	AC	230	230	3230		Rancho Vista CA	Etiwanda CA	1 0		0		0 (0 (0	
ü	WECC	CNV	AC	230	230	3230		Rancho Vista CA	Etiwanda CA	1 0		0		0 (0 (0	
Ü	WECC	CNV	AC	230	230	2480		Rancho Vista CA	Pauda CA	15 OI		0		0 (0 (0	
Ü	WECC	CNV	AC	230	230	2480		Rancho Vista CA	Pauda CA	15 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230	2480		Rancho Vista CA	Mira Loma CA	7 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230	2.00		Rancho Vista CA	Mira Loma CA	7 OI		0	-	0 (0 (000	0	
U	WECC	CNV	AC	230	230	1200	09 2010		Elverta CA	26 OI		0		0 (0 (0	
U	WECC	CNV	AC	500	500	2000	06 2010	Imperial Valley CA	San Diego CA	100 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230	1000	06 2010	San Diego CA	San Diego CA	20 OI		0		0 (0 (0	
U	WECC	CNV	AC	230	230	1000	06 2010	San Diego CA	San Diego CA	20 OI		0		0 (1	0 (0	
U	WECC	CNV	AC	230	230	797	06 2010	San Diego CA	San Diego CA	15 OI	H 0	0		0 (1	0 (SDGE	0	
U	WECC	CNV	AC	500	500	2000	11 2010	Indian Hills CA	Upland CA	100 OI	H 0	0		0 (1	0 (LDWP	0	
U	WECC	CNV	AC	500	500	2000		Upland CA	Upland CA	43 OI	H 0	0		0 (0 (0	
Ü	WECC	NWP	AC	345	345	1396			SLC UT	2 OI	H 0	0	0			0 (0	0
Ü	WECC	NWP	AC	345	345	1396	06 2006		SLC UT	2 OI		0	0	(0 ((PAC	0	0
Ü	WECC	NWP	AC	230	230	418	06 2006		Beaverton OR	5 OI	H 0							PGE	0	0
Ü	WECC	NWP	AC	230								0	0	0 0	1	0 (Ū
Ü	WECC	NWP	AC		230	478				3 ∩		0		0 (0 (IPC	0	0
U	WECC		, AU	530	230	478 402	10 2006	Nampa ID	Nampa ID	3 OF	H 0	0	0	(0 (0	0
U	WECC		40	230	230	402	10 2006 11 2006	Nampa ID Meridian OR	Nampa ID Lone Pine OR	3 OI	H 0 H 0	0	0	(l l	0 0	(PAC	0	0
U		NWP	AC AC	230	230 230	402 534	10 2006 11 2006 03 2007	Nampa ID Meridian OR Great Falls MT	Nampa ID Lone Pine OR US - Canada Border	3 OH 145 OH	H 0 H 0 H 0	0 0 0	0 0 0	(0 0	0	PAC NWMT	0	0
	WECC	NWP	AC	230 230	230 230 230	402 534 550	10 2006 11 2006 03 2007 05 2007	Nampa ID Meridian OR Great Falls MT Amer Falls ID	Nampa ID Lone Pine OR US - Canada Border Eden ID	3 OH 145 OH 70 OH	H 0 H 0 H 0 H 0	0 0 0 0	0	(0 0 0 0 0 0 0 0	0	PAC NWMT IPC	0 0 0	0 0 0
	WECC	NWP NWP	AC AC	230 230 345	230 230 230 345	402 534 550 1163	10 2006 11 2006 03 2007 05 2007 05 2007	Nampa ID Meridian OR Great Falls MT Amer Falls ID Bluffdale UT	Nampa ID Lone Pine OR US - Canada Border Eden ID Mona UT	3 OH 145 OH 70 OH 46 OH	H 0 H 0 H 0 H 0 H 0	0 0 0 0	0 0 0 0			0 (0 0 (0 0 (0 0 (0	0	PAC NWMT IPC PAC	0 0 0 0	0 0 0 0
U	WECC	NWP NWP NWP	AC AC AC	230 230 345 230	230 230 230 345 230	402 534 550 1163 480	10 2006 11 2006 03 2007 05 2007 05 2007 06 2007	Nampa ID Meridian OR Great Falls MT Amer Falls ID Bluffdale UT Covington WA	Nampa ID Lone Pine OR US - Canada Border Eden ID Mona UT Berrydale WA	3 OH 145 OH 70 OH 46 OH 10 OH	H 0 H 0 H 0 H 0 H 0 H 0	0 0 0 0 0	0 0 0			0 (0 0 (0 0 (0 0 (0 0 (0		PAC NWMT IPC PAC PSE	0 0 0 0 0	0 0 0 0 0
U	WECC	NWP NWP NWP	AC AC AC	230 230 345 230 230	230 230 230 345 230 230	402 534 550 1163 480 1420	10 2006 11 2006 03 2007 05 2007 05 2007 06 2007 10 2008	Nampa ID Meridian OR Great Falls MT Amer Falls ID Bluffdale UT Covington WA Olympia WA	Nampa ID Lone Pine OR US - Canada Border Eden ID Mona UT Berrydale WA Shelton WA	3 OH 145 OH 70 OH 46 OH 10 OH 14 OH	H 0 H 0 H 0 H 0 H 0 H 0 H 0	0 0 0 0 0 0	0 0 0 0			0 (0 0 (0 0 (0 0 (0 0 (0 0 (0		PAC NWMT IPC PAC PSE BPA	0 0 0 0 0	0 0 0 0 0 0
U U	WECC WECC	NWP NWP NWP NWP	AC AC AC AC	230 230 345 230 230 230	230 230 230 345 230 230 230	402 534 550 1163 480 1420 797	10 2006 11 2006 03 2007 05 2007 05 2007 06 2007 10 2008 11 2007	Nampa ID Meridian OR Great Falls MT Amer Falls ID Bluffdale UT Covington WA Olympia WA Benewah ID	Nampa ID Lone Pine OR US - Canada Border Eden ID Mona UT Berrydale WA Shelton WA Shawnee WA	3 OH 145 OH 70 OH 46 OH 10 OH 14 OH 60 OH	H 0 H 0 H 0 H 0 H 0 H 0 H 0 H 0	0 0 0 0 0 0 0	0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		PAC NWMT IPC PAC PSE BPA AVA	0 0 0 0 0 0	0 0 0 0 0 0
U U U	WECC WECC WECC	NWP NWP NWP NWP NWP	AC AC AC AC AC	230 230 345 230 230 230 230	230 230 230 345 230 230 230 230	402 534 550 1163 480 1420 797 550	10 2006 11 2006 03 2007 05 2007 05 2007 06 2007 10 2008 11 2007 01 2008	Nampa ID Meridian OR Great Falls MT Amer Falls ID Bluffdale UT Covington WA Olympia WA Benewah ID Mountain Home ID	Nampa ID Lone Pine OR US - Canada Border Eden ID Mona UT Berrydale WA Shelton WA Shawnee WA Mountain Home ID	3 OH 145 OH 70 OH 46 OH 10 OH 14 OH 60 OH	H 0 H 0 H 0 H 0 H 0 H 0 H 0 H 0 H 0	0 0 0 0 0 0 0 0	0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		PAC NWMT IPC PAC PSE BPA AVA IPC	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
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U	WECC	NWP	AC	230	230	597	11 2015	Sherwood OR	Sherwood OR	5	OH	0	0	0		0	0	0		PGE	0 0
U	WECC	RMP	AC	230	230	319	06 2006	Nixon CO	Kelker CO	14	OH	0	0	0	0	0	0	0	(CSU	0
U	WECC	RMP	AC	230	230	378	10 2006	Wellington CO	Fort Collins CO	30	OH	0	0			0	0	0	(PRPA	0
U	WECC	RMP	AC	230	230	800	05 2007	Spruce CO	Smoky Hill #1 CO	10	OH	0	0		0	0	0	0		PSC	0
U	WECC	RMP	AC	230	230	800	05 2007	Spruce CO	Smoky Hill #2 CO	10	OH	0	0	0	0	0	0	0	(PSC	0
U	WECC	RMP	AC	230	230	495	05 2007	Denver Terminal CO	Arapahoe CO	7	OH	0	0		0	0	0	0	(PSC	0
U	WECC	RMP	AC	230	230	472	03 2008	Fort Collins CO	Loveland CO	10	OH	0	0		0	0	0	0	(PRPA	0
U	WECC	RMP	AC	230	230	500	05 2008	Chambers CO	Spruce CO	8	OH	0	0		0	0	0	0	(PSC	0
U	WECC	RMP	AC	230	230	500	05 2008	Chambers CO	Tower CO	8	OH	0	0		0	0	0	0	(PSC	0
U	WECC	RMP	AC	230	230	374	12 2008	Hughes WY	Sheridan WY	105	OH	0	0		0	0	0	0	(BEPC	0
U	WECC	RMP	AC	230	230	360	02 2009	Longmont CO	Platteville CO	21	OH	0	0		0	0	0	0	(PRPA	0
U	WECC	RMP	AC	230	230	613	12 2009	Walsenburg CO	San Luis Valley CO	80	OH	0	0		0	0	0	0	(TSGT	0
U	WECC	RMP	AC	230	230	402	12 2009	Cheyenne WY	Ault CO	35	OH	0	0		0	0	0	0	(WACM	0
U	WECC	RMP	AC	230	230	402	12 2009	Cheyenne WY	Miracle Mile WY	146	OH	0	0		0	0	0	0	(WACM	0
U	WECC	RMP	AC	345	345	1200	05 2010	Comanche CO	Daniels Park #1 CO	125	OH	0	0		0	0	0	0		PSC	0
U	WECC	RMP	AC	345	345	1200	05 2010	Comanche CO	Daniels Park #2 CO	125	OH	0	0		0	0	0	0	(PSC	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: = Esingle; 2=Double; 3=Triple;4=Quadruple; OT=Other.

 Pole Material: W=Wood; C=Concrete; S=Steel; B=Combination: P=Composite: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).
- The MRO, SERC, and SPP regional boundaries were altered as utilities changed reliability organizations. The historical data series
- have not been adjusted.

 ECAR, MAAC, and MAIN dissolved at the end-of-2005. Utility membership joined other reliability regional councils.
- Reliability-first Corporation (RFC) came into existence on January 1, 2006, and submitted a consolidated filing covering the historical NERC regions of ECAR, MAAC, and MAIN. Many of the former utility members joined RFC.
- 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."