

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

Geographic Area			Voltage			Capacity Rating (MVA)	In-Service Date	Electrical Connection Locations		Line Information			Conductor Characteristics			Circuits		Company Information		
Country	NERC Region	NERC Sub-region	Type	Operating (kV)	Design (kV)			From Terminal	To Terminal	Length (Miles)	Type	Pole Type	Pole Material	Size (MCM)	Material	Bundling Arrangement	Present	Ultimate	Company Code	Organizational Type
U	ECAR			230	230	0	May-03	Old Farm	Monocacy - Ringgold	1			0			0	0	88888	0	
U	ECAR			230	230	0	Jun-03	Lime Kiln	MDM Tap	0			0			0	0	88888	0	
U	ECAR			230	230	0	Nov-03	Boonsboro	Doubs - Ringgold	3.3			0			0	0	88888	0	
U	ECAR			230	230	0	Dec-03	Dale Summit	Milesburg - Shinglet	0			0			0	0	88888	0	
U	ECAR			230	230	0	May-04	Jewell	Spokane	0			0			0	0	88888	0	
U	ECAR			230	230	0	Jun-04	Urbana	MDM Tap - Montgomery	4			0			0	0	88888	0	
U	ECAR		AC	230	230	1016	Jun-05	Mount Zion (new)	E Darville - Rxbro 1	0.5	OH	T	S	1590	ACSR	1	2	2	88888	0
U	ECAR		AC	230	230	1016	Jun-05	Mount Zion (new)	E Darville - Rxbro 2	0.5	OH	T	S	1590	ACSR	1	2	2	88888	0
U	ECAR			230	230	0	Jun-05	Ridgeville	Mt. Airy - Damascus	2			0			0	0	88888	0	
U	ECAR			230	230	0	Jun-06	South Frederick	Lime Kiln - Monocacy	0.2			0			0	0	88888	0	
U	ECAR			345	345	0	May-02	Lemoine	Troy Energy CTs	0			0			0	0	88888	0	
U	ECAR			345	345	0	May-02	North Medina	Carlisle-Star	0.1			0			0	0	88888	0	
U	ECAR		AC	345	345	2904	Sep-03	Lawrenceburg (new)	Tanners Creek (2 ckt)	0.5	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR		AC	345	345	1452	Apr-04	Hiple	Collingwood	0	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR		AC	345	345	1452	Apr-04	Hiple	East Elkhart	0	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR			345	345	0	Jun-04	Gaines	Vergennes - Roosevel	0.1			0			0	0	88888	0	
U	ECAR		AC	345	345	1002	Jun-04	South Berwick (new)	Fostoria Central - G	0	OH	T	S	954	ACSR	2	1	1	88888	0
U	ECAR		AC	345	345	1452	Feb-05	Berrien Energy(new)	Cook - Benton Harbor	0.2	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR		AC	345	345	1452	Feb-05	Berrien Energy(new)	Cook - Palisades	0.2	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR			345	345	0	May-05	Spurlock	Stuart / Zimmer	3.8			0			0	0	5580	0	
U	ECAR		AC	345	345	1452	Jun-05	Barron Lake (new)	Cook - East Elkhart	0	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR		AC	345	345	1452	Jun-05	Barron Lake (new)	Cook - Kenzie Creek	0	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR		AC	345	345	999	Jun-05	South Shore (new)	Cook	1.7	OH	H	S	954	ACSR	2	1	1	88888	0
U	ECAR		AC	345	345	1452	Jun-05	Terre Coupee (new)	Dumont - Olive	0.2	OH	T	S	954	ACSR	2	2	2	88888	0
U	ECAR		AC	345	345	1000	Dec-05	Lima Energy (new)	Southwest Lima	4.5	OH	P	S	1414	ACSR	1	1	2	88888	0
U	ECAR		AC	765	765	1500	Jun-03	Cornu (new)	Hanging Rock	1	OH	T	S	1351	ACSR	4	1	1	88888	0
U	ECAR		AC	765	765	4174	Jun-04	Foster Falls (new)	Jacksons Ferry	0.5	OH	T	S	954	ACSR	4	1	1	88888	0
U	ECAR		AC	765	765	2430	Jun-05	Lawrence County(new)	Hanging Rock	0.5	OH	T	S	1351	ACSR	4	1	1	88888	0
U	ECAR		AC	765	765	3975	Jun-06	Wyoming	Jacksons Ferry	90	OH	T	S	795	ACSR	6	1	1	88888	0
U	ERCOT		AC	345	345	0	May-06	Jacksboro Switch	W. Denton	66	OH		1590	ACSR		2	2	44372	I1	0
U	ERCOT		AC	345	345	0	May-06	Venus	Liggett	30	OH		1590	ACSR		2	2	44372	I1	0
U	ERCOT		AC	345	345	0	May-06	Venus	Sherry	7	OH		959.6	ACSS		2	2	44372	I1	0
U	ERCOT		AC	345	345	0	May-06	W. Levee	Norwood	7	OH		1590	ACSR		2	2	44372	I1	0
U	ERCOT		AC	345	345	0	Jun-06	Kendall	Cagnon	63	OH		1590	ACSR		1	1	16604	M5	0
U	ERCOT		AC	345	345	0	Dec-06	Paris Switch	Anna	70	OH		1590	ACSR		2	2	44372	I1	0
U	ERCOT		AC	345	345	0	May-07	Liggett	Trinity	13	OH		1590	ACSR		2	2	44372	I1	0
U	ERCOT		AC	345	345	0	Jun-08	Zorn	Hutto Switch	64	OH		1590	ACSR		2	2	11269	S1	0
U	ERCOT		AC	345	345	0	Jun-08	Hutto Switch	Salado	32	OH		1590	ACSR		2	2	44372	I1	0
U	FRCC		AC	230	230	508	Jun-04	Andytown	Pennsuko	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	230	230	1067	Jun-04	Whidden	Vandola	27			0			0	0	6452	1	0
U	FRCC		AC	230	230	668	Jul-04	Brandy Branch	Normandy	14			0			0	0	9617	1	0
U	FRCC		AC	230	230	1141	Oct-04	Vandolah	Whidden	14			0			0	0	6455	1	0
U	FRCC		AC	230	230	759	Dec-04	Bridge	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	0
U	FRCC		AC	230	230	668	May-05	Westlake	Normandy	6			0			0	0	9617	1	0
U	FRCC		AC	230	230	668	May-05	Westlake	St. Johns River Powe	22			0			0	0	9617	1	0
U	FRCC		AC	230	230	759	Jun-05	Conservation	Oakland Park	13			0			0	0	6452	1	0
U	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	8			0			0	0	18454	1	0
U	FRCC		AC	230	230	1141	Oct-06	Lake Bryan	Windermere #1	10			0			0	0	6455	1	0
U	FRCC		AC	230	230	1141	Oct-06	Lake Bryan	Windermere #2	10			0			0	0	6455	1	0
U	FRCC		AC	230	230	1141	May-07	Hines Energy Complex	West Lake Wales #1	21			0			0	0	6455	1	0
U	FRCC		AC	230	230	1013	Jun-07	Davis	Chapman	8			0			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	0
U	FRCC		AC	230	230	1013	Jun-08	Davis	Wilderness	13			0			0	0	18454	1	0
U	FRCC		AC	230	230	1348	Jun-08	Wheeler	Davis	13			0			0	0	18454	1	0
U	FRCC		AC	230	230	1141	May-09	Hines Energy Complex	West Lake Wales #2	21			0			0	0	6455	1	0
U	FRCC		AC	230	230	1141	Jun-10	Intercession City	West Lake Wales #1	30			0			0	0	6455	1	0

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