

ALTE Import Capabilities

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WEC	1177	1004	Plains-NOW Tap 138kV	Plains-Morgan 345kV
2000	WEC	823	525	Rockdale-Kegonsa 138kV	Rockdale-Fitchburg 138kV
2001	WEC	1393	1117	Nelson Dewey-Cassville 161kV	Wempletown-Paddock 345kV
2002	WEC	508	215	Center-Fiebrantz 138kV	Arcadian-Granville 345kV
2003	WEC	475	96	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV & Kaiser-Lancaster 69kV
2004	WEC	134	-234	Salem 345/161kV Tr.	Wempletown-Paddock 345kV
2005	WEC	1700+	1329+	No Valid Limit Found	-
2006	WEC	1700+	1329+	No Valid Limit Found	-
2007	WEC	1700+	1329+	No Valid Limit Found	-
2008	WEC	1700+	1329+	No Valid Limit Found	-
2009	WEC	1700+	1514+	No Valid Limit Found	-
2010	WEC	1700+	1514+	No Valid Limit Found	-
2011	WEC	1700+	1694+	No Valid Limit Found	-
2012	WEC	1700+	1874+	No Valid Limit Found	-
2013	WEC	1700+	1514+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WPS	551	280	Weston-CW8 115kV	Weston 345/115kV Tr.
2000	WPS	729	510	Weston-CW8 115kV	Weston 345/115kV Tr.
2001	WPS	843	617	Weston-CW8 115kV	Weston 345/115kV Tr.
2002	WPS	935	688	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV
2003	WPS	552	295	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV & Kaiser-Lancaster 69kV
2004	WPS	1018	771	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV
2005	WPS	1700+	1388+	No Valid Limit Found	-
2006	WPS	1687	1375	Forest Jct-Elkhart Lake 138kV	Point Beach-Granville 345kV
2007	WPS	1585	1273	Forest Jct-Elkhart Lake 138kV	Point Beach-Granville 345kV
2008	WPS	1700+	1388+	No Valid Limit Found	-
2009	WPS	1334	1098	Point Beach-Granville 345kV	Forest Jct-St Lawrence 345kV
2010	WPS	1210	974	Neevin-Quarry Run 138kV	N Appleton-Fitzgerald 345kV
2011	WPS	1079	843	Neevin-Quarry Run 138kV	N Appleton-Fitzgerald 345kV
2012	WPS	1175	939	Neevin-Quarry Run 138kV	N Appleton-Fitzgerald 345kV
2013	WPS	1686	1450	Neevin-Quarry Run 138kV	N Appleton-Fitzgerald 345kV

ALTE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MGE	700+	499+	No Valid Limit Found	-
2000	MGE	700+	475+	No Valid Limit Found	-
2001	MGE	700+	475+	No Valid Limit Found	-
2002	MGE	700+	469+	No Valid Limit Found	-
2003	MGE	516	291	Rockdale-Camden Tap 138kV	Portage-Hamilton 138kV
2004	MGE	-1244	-1551	Columbia-Portage 138kV Ckt1	Columbia-Portage 138kV Ckt2
2005	MGE	672	440	Concord 138kV Bus Tie 5-6	Concord-Cooney 138kV
2006	MGE	700+	468+	No Valid Limit Found	-
2007	MGE	700+	468+	No Valid Limit Found	-
2008	MGE	700+	468+	No Valid Limit Found	-
2009	MGE	700+	468+	No Valid Limit Found	-
2010	MGE	700+	400+	No Valid Limit Found	-
2011	MGE	700+	400+	No Valid Limit Found	-
2012	MGE	700+	400+	No Valid Limit Found	-
2013	MGE	700+	400+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	UPPC	-99	-113	N Appleton-Butte desMorts 138kV	N Appleton-Maes 138kV
2000	UPPC	150+	136+	No Valid Limit Found	-
2001	UPPC	150+	150+	No Valid Limit Found	-
2002	UPPC	-216	-231	Cedar-National 138kV	Cedar-Tilden 138kV
2003	UPPC	150+	135+	No Valid Limit Found	-
2004	UPPC	150+	135+	No Valid Limit Found	-
2005	UPPC	150+	135+	No Valid Limit Found	-
2006	UPPC	150+	135+	No Valid Limit Found	-
2007	UPPC	60	45	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	UPPC	150+	135+	No Valid Limit Found	-
2009	UPPC	150+	150+	No Valid Limit Found	-
2010	UPPC	150+	150+	No Valid Limit Found	-
2011	UPPC	150+	150+	No Valid Limit Found	-
2012	UPPC	150+	150+	No Valid Limit Found	-
2013	UPPC	150+	150+	No Valid Limit Found	-

ALTE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MECS	394	394	Lockport-Lisle Red 345kV	None
2000	MECS	295	295	Rockdale 345/138kV Tr #2	Rockdale 345/138kV Tr #1 & Rockdale-Columbia 345kV
2001	MECS	791	791	Salem-Julian 161kV	Salem-S Grandview-8 th ST 161kV
2002	MECS	-235	-235	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	MECS	293	293	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV & Kaiser-Lancaster 69kV
2004	MECS	77	77	Salem 345/161kV Tr.	Wempletown-Paddock 345kV
2005	MECS	598	598	Salem 345/161kV Tr.	Rock Creek 345/161kV Tr.
2006	MECS	591	591	Salem 345/161kV Tr.	Rock Creek 345/161kV Tr.
2007	MECS	651	651	Salem 345/161kV Tr.	Rock Creek 345/161kV Tr.
2008	MECS	685	685	Salem 345/161kV Tr.	Rock Creek 345/161kV Tr.
2009	MECS	1440	1440	Oak Creek 345/138kV Tr.	Arcadian-Oak Creek 345kV
2010	MECS	1637	1637	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2011	MECS	1700	1700	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2012	MECS	1624	1624	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2013	MECS	1268	1268	Livingston-Emmit Co 138kV	Livingston-Vanderbilt 138kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NI	496	616	Lockport-Lisle Red 345kV	None
2000	NI	278	438	Rockdale 345/138kV Tr #2	Rockdale 345/138kV Tr #1 & Rockdale-Columbia 345kV
2001	NI	753	893	Salem-Julian 161kV	Salem-S Grandview-8 th ST 161kV
2002	NI	-224	-84	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	NI	294	534	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV & Kaiser-Lancaster 69kV
2004	NI	71	211	Salem 345/161kV Tr.	Wempletown-Paddock 345kV
2005	NI	90	230	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2006	NI	83	223	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2007	NI	132	272	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2008	NI	149	289	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2009	NI	1284	1284	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2010	NI	1310	1310	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2011	NI	1316	1316	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2012	NI	1255	1255	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2013	NI	1253	1410	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV

ALTE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NSP	546	542	Nelson Dewey 161/138 kV Tr.	Eau Claire-Arpin 345kV & Guide
2000	NSP	749	744	Rockdale 345/138kV Tr. #2	Paddock 345/138kV Tr.
2001	NSP	770	770	T Corners-Wien 115kV	Eau Claire-Arpin 345kV & Guide
2002	NSP	429	429	Center-Fiebrantz 138kV	Arcadian-Granville 345kV
2003	NSP	381	320	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV & Kaiser-Lancaster 69kV
2004	NSP	746	691	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV
2005	NSP	1338	1283	Turkey River-Cassville 161kV	Seneca-Bell Center 161kV & Seneca-Gran Grey 161kV & Seneca-Genoa 161kV
2006	NSP	625	570	Barron-Washington Co 161kV	Eau Claire-Arpin 345kV & Guide
2007	NSP	637	582	Barron-Washington Co 161kV	Eau Claire-Arpin 345kV & Guide
2008	NSP	1411	1356	Turkey River-Cassville 161kV	Seneca-Bell Center 161kV & Seneca-Gran Grey 161kV & Seneca-Genoa 161kV
2009	NSP	677	617	Wheaton-Prescott 161kV	Gardner Park-Stone Lake 345kV
2010	NSP	781	721	Wheaton-Prescott 161kV	Gardner Park-Stone Lake 345kV
2011	NSP	1069	1009	Hazelton-Dundee 161kV	Rock Creek-Quad Cities 345kV
2012	NSP	1080	1020	Hazelton-Dundee 161kV	Rock Creek-Quad Cities 345kV
2013	NSP	1031	1034	Hazelton-Dundee 161kV	Rock Creek-Quad Cities 345kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC	1242	583	Nelson Dewey 161/138 kV Tr.	Wempletown-Paddock 345kV
2000	ATC	1518	762	Whitewater-Lakehead Tap 138kV	Wempletown-Paddock 345kV
2001	ATC	1541	814	Nelson Dewey-Cassville 161kV	Wempletown-Paddock 345kV
2002	ATC	833	47	Center-Fiebrantz 138kV	Arcadian-Granville 345kV
2003	ATC	527	-319	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV & Kaiser-Lancaster 69kV
2004	ATC	988	48	Turkey River-Cassville 161kV	Wempletown-Paddock 345kV
2005	ATC	1700+	770+	No Valid Limit Found	-
2006	ATC	1700+	770+	No Valid Limit Found	-
2007	ATC	1700+	770+	No Valid Limit Found	-
2008	ATC	1700+	770+	No Valid Limit Found	-
2009	ATC	1700+	978+	No Valid Limit Found	-
2010	ATC	1700+	978+	No Valid Limit Found	-
2011	ATC	1696	1154	Neevin-Quarry Run 138kV	N Appleton-Fitzgerald 345kV
2012	ATC	1700+	1338+	No Valid Limit Found	-
2013	ATC	1700+	978+	No Valid Limit Found	-

ALTE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC-CE-NSP	836	456	Nelson Dewey 161/138 kV Tr.	Wempletown-Paddock 345 kV
2000	ATC-CE-NSP	1213	823	Cassville-Nelson Dewey 161kV	Wempletown-Paddock 345 kV
2001	ATC-CE-NSP	1036	596	Cassville-Nelson Dewey 161kV	Wempletown-Paddock 345 kV
2002	ATC-CE-NSP	328	-213	Valley-Everett 138kV	Valley-Haymarket 138kV
2003	ATC-CE-NSP	354	-208	Turkey River-Cassville 161kV	Wempletown-Paddock 345 kV & Kaiser-Lancaster 69kV
2004	ATC-CE-NSP	110	-730	Salem 345/161kV Tr.	Wempletown-Paddock 345 kV
2005	ATC-CE-NSP	1618	788	Turkey River-Cassville 161kV	Seneca-Bell Center 161kV & Seneca-Gran Grey 161kV & Seneca-Genoa 161kV
2006	ATC-CE-NSP	1626	796	Turkey River-Cassville 161kV	Seneca-Bell Center 161kV & Seneca-Gran Grey 161kV & Seneca-Genoa 161kV
2007	ATC-CE-NSP	1669	839	Turkey River-Cassville 161kV	Seneca-Bell Center 161kV & Seneca-Gran Grey 161kV & Seneca-Genoa 161kV
2008	ATC-CE-NSP	1691	861	Turkey River-Cassville 161kV	Seneca-Bell Center 161kV & Seneca-Gran Grey 161kV & Seneca-Genoa 161kV
2009	ATC-CE-NSP	1700+	972+	No Valid Limit Found	-
2010	ATC-CE-NSP	1700+	972+	No Valid Limit Found	-
2011	ATC-CE-NSP	1700+	1152+	No Valid Limit Found	-
2012	ATC-CE-NSP	1700+	1332+	No Valid Limit Found	-
2013	ATC-CE-NSP	1700+	1192+	No Valid Limit Found	-

WEC Import Capabilities

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ALTE	445	618	Whitewater-Mukwonago 138kV	Sugar Creek-LS 138kV
2000	ALTE	175	473	Mullet Rvr-Mullet Rvr Tap 138kV	Edgewater-Granville 345kV & Granville 345/138kV Tr #3
2001	ALTE	-356	-80	Whitewater-Mukwonago 138kV	Sugar Creek-University 138kV
2002	ALTE	-234	59	Whitewater-Mukwonago 138kV	Sugar Creek-University 138kV
2003	ALTE	841	1220	Rockdale-Lakehead 138kV	Columbia-S Fond du Lac 345kV
2004	ALTE	261	632	Mukwonago-Merrill Hills 138kV	Edgewood-Mukwonago 138kV
2005	ALTE	231	602	Mukwonago-Merrill Hills 138kV	Edgewood-Mukwonago 138kV
2006	ALTE	266	637	Mukwonago-Merrill Hills 138kV	Edgewood-Mukwonago 138kV
2007	ALTE	492	863	Brick Church-Williams Bay 138kV	Sunrise-Lakehead Tap 138kV
2008	ALTE	511	882	Mukwonago-Merrill Hills 138kV	Edgewood-Mukwonago 138kV
2009	ALTE	-476	-290	Granville-Butler 138kV	Granville-Tosa 138kV
2010	ALTE	1774	1960	Concord-Cooney 138kV	Concord-Bark River 345kV
2011	ALTE	1997	2003	Concord-Cooney 138kV	Concord-Bark River 345kV
2012	ALTE	1934	1760	Concord-Rockvale 138kV	Concord-Bark River 345kV
2013	ALTE	1729	1915	N Lake Geneva-Burlington 138kV	Whitewater-Walworth 138kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WPS	481	531	Granville 345/138kV Tr.#1	Granville 345/138kV Tr.#3
2000	WPS	-101	-36	Granville 345/138kV Tr.#3	Granville 345/138kV Tr.#1
2001	WPS	682	747	Mullet River Tap-Lyndon 138kV	Edgewater-Cedarsauk 345kV
2002	WPS	741	741	Fiebrantz-Center 138kV	Pleasant Prairie-Racine 345kV
2003	WPS	1120	1186	Weston-CW8 115kV	Weston 345/115kV Tr.
2004	WPS	1307	1367	Weston-CW8 115kV	Weston 345/115kV Tr.
2005	WPS	1722	1728	Forest Jct-Elkhart Lake 138kV	Edgewater-Cedarsauk 345kV
2006	WPS	1563	1469	Forest Jct-Elkhart Lake 138kV	Edgewater-Cedarsauk 345kV
2007	WPS	1486	1352	Granville-Butler 138kV	Pleasant Prairie-Racine 345kV
2008	WPS	948	814	Granville-Butler 138kV	Pleasant Prairie-Racine 345kV
2009	WPS	-263	-267	Granville-Butler 138kV	Granville-Tosa 138kV
2010	WPS	1273	1269	Point Beach-Granville 345kV	Forest Jct-St Lawrence 345kV
2011	WPS	1277	1213	Point Beach-Granville 345kV	Forest Jct-St Lawrence 345kV
2012	WPS	1518	1364	Point Beach-Granville 345kV	Forest Jct-St Lawrence 345kV
2013	WPS	1884	1880	Point Beach-Granville 345kV	Forest Jct-St Lawrence 345kV

WEC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MGE	369	369	Mullet Rvr-Mullet Rvr Tap 138kV	Edgewater-Granville 345kV & Saukville 138kV Bus Tie
2000	MGE	211	211	Whitewater-Mukwonago 138kV	Sugar Creek-University 138kV
2001	MGE	-330	-330	Whitewater-Mukwonago 138kV	Sugar Creek-University 138kV
2002	MGE	-217	-217	Whitewater-Mukwonago 138kV	Sugar Creek-University 138kV
2003	MGE	-484	-484	Columbia-Portage 138kV Ckt2	Columbia-Portage 138kV Ckt1
2004	MGE	-793	-793	Columbia-Portage 138kV Ckt1	Columbia-Portage 138kV Ckt2
2005	MGE	311	311	Brick Church-Williams Bay 138kV	Sugar Creek-University 138kV
2006	MGE	400	400	Concord 138kV Bus Tie 5-6	Concord-Cooney 138kV
2007	MGE	363	363	Brick Church-Williams Bay 138kV	Sunrise-Lakehead Tap 138kV
2008	MGE	358	358	Jefferson 138kV Bus Tie	Columbia-S Fond du Lac 345kV
2009	MGE	-477	-477	Granville-Butler 138kV	Granville-Tosa 138kV
2010	MGE	900+	785+	No Valid Limit Found	-
2011	MGE	900+	785+	No Valid Limit Found	-
2012	MGE	900+	785+	No Valid Limit Found	-
2013	MGE	900+	900+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	UPPC	-121	-171	N Appleton-Butte desMorts 138kV	N Appleton-Maes 138kV
2000	UPPC	-217	-282	N Appleton-Maes 138kV	City Limits-Butte des Morts 138kV
2001	UPPC	150+	85+	No Valid Limit Found	-
2002	UPPC	-222	-287	Cedar-National 138kV	Cedar-Tilden 138kV
2003	UPPC	150+	85+	No Valid Limit Found	-
2004	UPPC	150+	85+	No Valid Limit Found	-
2005	UPPC	150+	85+	No Valid Limit Found	-
2006	UPPC	150+	85+	No Valid Limit Found	-
2007	UPPC	150+	85+	No Valid Limit Found	-
2008	UPPC	150+	85+	No Valid Limit Found	-
2009	UPPC	-308	-388	Granville-Butler 138kV	Granville-Tosa 138kV
2010	UPPC	150+	70+	No Valid Limit Found	-
2011	UPPC	150+	70+	No Valid Limit Found	-
2012	UPPC	150+	70+	No Valid Limit Found	-
2013	UPPC	150+	70+	No Valid Limit Found	-

WEC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MECS	345	345	Lockport-Lisle Red 345kV	None
2000	MECS	276	297	Arcadian 345/230kV Tr.	Pleasant Prairie-Racine 345kV
2001	MECS	898	923	Riggsville-McGulpin 138kV	Livingston-Emmit Co 138kV
2002	MECS	305	325	Riggsville-McGulpin 138kV	Livingston-Emmit Co 138kV
2003	MECS	843	863	Turkey River-Cassville 161kV	Wempletown-Paddock 345 kV & Kaiser-Lancaster 69kV
2004	MECS	-259	-214	Paris-St Martin 138kV	Pleasant Prairie-Racine 345kV
2005	MECS	-133	-87	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2006	MECS	178	224	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	MECS	207	253	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	MECS	172	218	Livingston-Emmit Co 138kV	Riggsville-McGulpin 138kV
2009	MECS	1340	1385	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2010	MECS	1382	1427	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2011	MECS	1431	1476	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2012	MECS	1386	1431	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2013	MECS	1100	1145	Livingston-Emmit Co 138kV	Livingston-Vanderbilt 138kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NI	420	422	Will Co-Romeoville 138kV Red	Lisle-Lockport 345kV Red & Guides
2000	NI	273	224	Arcadian 345/230kV Tr.	Pleasant Prairie-Racine 345kV
2001	NI	948	942	Whitewater-Mukwonago 138kV	Zion-Pleasant Prairie 345kV
2002	NI	494	768	Pleasant Prairie-Arcadian 345kV	Pleasant Prairie-Racine 345kV
2003	NI	831	1430	Paris-St Martin 138kV	Pleasant Prairie-Racine 345kV
2004	NI	-246	349	Paris-St Martin 138kV	Pleasant Prairie-Racine 345kV
2005	NI	1335	1930	McGulpin-Straits 138kV ckt3	McGulpin-Straits 138kV ckt1
2006	NI	1472	2067	Pleasant Prairie-Racine 345kV	Pleasant Prairie-Arcadian 345kV
2007	NI	1399	1994	Pleasant Prairie-Racine 345kV	Pleasant Prairie-Arcadian 345kV
2008	NI	1267	1862	Jefferson 138kV Bus Tie	Columbia-S Fond du Lac 345kV
2009	NI	2454	2725	Tollway 138kV Bus Tie	Electric Jct-Wayne 345kV Blue
2010	NI	2705	2976	Tollway 138kV Bus Tie	Electric Jct-Wayne 345kV Blue
2011	NI	2773	3044	Tollway 138kV Bus Tie	Electric Jct-Wayne 345kV Blue
2012	NI	2804	3075	Tollway 138kV Bus Tie	Electric Jct-Wayne 345kV Blue
2013	NI	2337	2608	DesPlains-Lombard 345kV Red	Itasca-Lombard 345kV Red Itasca 345/138kV Tr. #82

WEC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NSP	578	831	Granville 345/138kV Tr.#1	Granville 345/138kV Tr.#3
2000	NSP	-123	-123	Granville 345/138kV Tr.#3	Granville 345/138kV Tr.#1
2001	NSP	182	182	Whitewater-Mukwonago 138kV	Burlington-N Lake Geneva 138kV
2002	NSP	579	641	Whitewater-Mukwonago 138kV	Eau Claire-Arpin 345kV & Guide
2003	NSP	545	587	Bufallo Ridge-Lk Yangton 115kV	Split Rock-Pathfinder 115kV
2004	NSP	1165	1207	Minn Valley-Lyon Co 115kV	Split Rock-Pathfinder 115kV
2005	NSP	1513	1555	Elk mound-Barron 161kV	Wheaton-Prescott 161kV
2006	NSP	576	618	Barron-Washington Co 161kV	Eau Claire-Arpin 345kV & Guide
2007	NSP	584	626	Barron-Washington Co 161kV	Eau Claire-Arpin 345kV & Guide
2008	NSP	1283	1325	Jefferson 138kV Bus Tie	Columbia-S Fond du Lac 345kV
2009	NSP	-593	-593	Granville-Butler 138kV	Granville-Tosa 138kV
2010	NSP	668	668	Wheaton-Prescott 161kV	Stone Lake-Gardner Park 345kV
2011	NSP	668	668	Wheaton-Prescott 161kV	Stone Lake-Gardner Park 345kV
2012	NSP	631	631	Wheaton-Prescott 161kV	Stone Lake-Gardner Park 345kV
2013	NSP	252	252	Wheaton-Prescott 161kV	Stone Lake-Gardner Park 345kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC	473	646	Mullet Rvr-Mullet Rvr Tap 138kV	Edgewater-Granville 345kV & Saukville 138kV Bus Tie
2000	ATC	-135	163	Granville 345/138kV Tr.#3	Granville 345/138kV Tr.#1
2001	ATC	-581	-305	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2002	ATC	-39	189	Whitewater-Mukwanago 138kV	Cherry Valley-Silver Lk 345kV Red
2003	ATC	1097	1477	Rockdale-Lakehead 138kV	Columbia-S Fond du Lac 345kV
2004	ATC	1006	1372	Brick Church-Williams Bay 138kV	Sunrise-Lakehead Tap 138kV
2005	ATC	1236	1548	Edgewater-Cedarsauk 345kV	S Fond du Lac-Fitzgerald 345kV
2006	ATC	1214	1426	Edgewater-Cedarsauk 345kV	S Fond du Lac-Fitzgerald 345kV
2007	ATC	1205	1377	Edgewater-Cedarsauk 345kV	S Fond du Lac-Fitzgerald 345kV
2008	ATC	898	1070	Jefferson 138kV Bus Tie	Columbia-S Fond du Lac 345kV
2009	ATC	-382	-280	Granville-Butler 138kV	Granville-Tosa 138kV
2010	ATC	1273	1260	Point Beach-Granville 345kV	Forest Jct-St Lawrence 345kV
2011	ATC	2520	2267	Concord-Cooney 138kV	Concord-Bark River 345kV
2012	ATC	2466	1943	Concord-Rockvale 138kV	Concord-Bark River 345kV
2013	ATC	2343	2445	Concord-Rockvale 138kV	Concord-Bark River 345kV

WEC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC-CE-NSP	988	1578	Lockport-Lisle Red 345kV	None
2000	ATC-CE-NSP	298	785	Arcadian 345/230 kV Tr.	Pleasant Prairie-Racine 345kV
2001	ATC-CE-NSP	915	1572	Whitewater-Mukwanago 138kV	Zion-Pleasant Prairie 345kV
2002	ATC-CE-NSP	733	1659	Pleasant Prairie-Arcadian 345kV	Pleasant Prairie-Racine 345kV
2003	ATC-CE-NSP	1228	2601	Pleasant Prairie-Racine 345kV	Wempletown-Paddock 345 kV & Kaiser-Lancaster 69kV
2004	ATC-CE-NSP	1211	2541	Pleasant Prairie-Racine 345kV	Wempletown-Paddock 345 kV
2005	ATC-CE-NSP	1853	2925	Jefferson-Lakehead 138kV	Columbia-S Fond du Lac 345kV
2006	ATC-CE-NSP	1692	2664	Jefferson-Lakehead 138kV	Columbia-S Fond du Lac 345kV
2007	ATC-CE-NSP	1914	2846	Pleasant Prairie-Racine 345kV	Pleasant Prairie-Arcadian 345kV
2008	ATC-CE-NSP	1222	2154	Jefferson 138kV Bus Tie	Columbia-S Fond du Lac 345kV
2009	ATC-CE-NSP	2434	2914	Concord-Cooney 138kV	Concord-Rubicon 138kV
2010	ATC-CE-NSP	3252	3608	Rocky Run-Werner West 345kV	Gardner Park-CWIS 345kV
2011	ATC-CE-NSP	3399	3524	Rocky Run-Werner West 345kV	Gardner Park-CWIS 345kV
2012	ATC-CE-NSP	3664	3519	Rocky Run-Werner West 345kV	Gardner Park-CWIS 345kV
2013	ATC-CE-NSP	3040	3520	Rocky Run-Werner West 345kV	Gardner Park-CWIS 345kV

WPS Import Capabilities

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ALTE	466	737	Mullet Rvr-Mullet Rvr Tap 138kV	Edgewater-Granville 345kV & Saukville 138kV Bus Tie
2000	ALTE	255	474	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2001	ALTE	-438	-212	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2002	ALTE	-274	-27	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2003	ALTE	834	1061	N Fond du Lac-Aviation 138kV	S Fond du Lac-Fitzgerald 345kV
2004	ALTE	267	514	Mukwonago-Merrill Hills 138kV	Edgewood-Mukwonago 138kV
2005	ALTE	230	542	Mukwonago-Merrill Hills 138kV	Edgewood-Mukwonago 138kV
2006	ALTE	270	582	Mukwonago-Merrill Hills 138kV	Edgewood-Mukwonago 138kV
2007	ALTE	72	384	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	ALTE	71	383	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	ALTE	1392	1704+	N Lake Geneva-Burlington 138kV	Whitewater-Walworth 138kV
2010	ALTE	1800+	2036+	No Valid Limit Found	-
2011	ALTE	1800+	2036+	No Valid Limit Found	-
2012	ALTE	1800+	2036+	No Valid Limit Found	-
2013	ALTE	1800+	2036+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WEC	550	500	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2000	WEC	572	507	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2001	WEC	464	399	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2002	WEC	-179	-179	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2003	WEC	844	778	Center-Fiebrantz 138kV	Arcadian-Granville 345kV
2004	WEC	835	775	Rocky Run-Northpoint 115kV	Weston-Rocky Run 345kV
2005	WEC	856	850	Weston 345/115kV Tr.	Rocky Run-Northpoint 115kV
2006	WEC	240	334	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2007	WEC	27	161	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	WEC	94	228	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	WEC	1715	1719	Forest Jct-Glenview 138kV	Kewaunee 345/138 kV Tr.
2010	WEC	1800+	1804+	No Valid Limit Found	-
2011	WEC	1800+	1864+	No Valid Limit Found	-
2012	WEC	1800+	1954+	No Valid Limit Found	-
2013	WEC	1800+	1804+	No Valid Limit Found	-

WPS Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MGE	434	343	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2000	MGE	233	132	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2001	MGE	-400	-502	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2002	MGE	-251	-352	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2003	MGE	-517	-607	Columbia-Portage 138kV Ckt2	Columbia-Portage 138kV Ckt1
2004	MGE	-869	-880	Columbia-Portage 138kV Ckt2	Columbia-Portage 138kV Ckt1
2005	MGE	368	357	Concord 138kV Bus Tie 5-6	Concord-Cooney 138kV
2006	MGE	316	305	Concord 138kV Bus Tie 5-6	Concord-Cooney 138kV
2007	MGE	40	29	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	MGE	65	53	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	MGE	847	836	Concord-Cooney 138kV	Concord-Rubicon 138kV
2010	MGE	900+	889+	No Valid Limit Found	-
2011	MGE	900+	889+	No Valid Limit Found	-
2012	MGE	900+	889+	No Valid Limit Found	-
2013	MGE	900+	889+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	UPPC	-173	-203	N Appleton-Butte desMorts 138kV	N Appleton-Maes 138kV
2000	UPPC	150+	120+	No Valid Limit Found	-
2001	UPPC	150+	150+	No Valid Limit Found	-
2002	UPPC	-219	-249	Cedar-National 138kV	Cedar-Tilden 138kV
2003	UPPC	150+	120+	No Valid Limit Found	-
2004	UPPC	150+	120+	No Valid Limit Found	-
2005	UPPC	150+	120+	No Valid Limit Found	-
2006	UPPC	150+	120+	No Valid Limit Found	-
2007	UPPC	22	-8	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	UPPC	150+	120+	No Valid Limit Found	-
2009	UPPC	150+	120+	No Valid Limit Found	-
2010	UPPC	150+	120+	No Valid Limit Found	-
2011	UPPC	150+	120+	No Valid Limit Found	-
2012	UPPC	150+	120+	No Valid Limit Found	-
2013	UPPC	150+	120+	No Valid Limit Found	-
2013	UPPC	150+	120+	No Valid Limit Found	-

WPS Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MECS	346	346	Bartlett-Spaulling 138kV Red	Tollway-Wayne 345kV Blue
2000	MECS	520	520	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2001	MECS	398	398	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2002	MECS	-208	-208	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	MECS	427	427	Center-Fiebrantz 138kV	Arcadian-Granville 345kV
2004	MECS	71	71	Livingston-Emmit Co 138kV	Riggsville-McGulpin 138kV
2005	MECS	-128	-128	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2006	MECS	167	167	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	MECS	57	57	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	MECS	-149	-149	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2009	MECS	1130	1130	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2010	MECS	1168	1168	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2011	MECS	1210	1210	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2012	MECS	1169	1169	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2013	MECS	908	908	Riggsville 138kV Bus Tie	Livingston-Vanderbilt 138kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NI	345	345	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2000	NI	494	534	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2001	NI	384	384	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2002	NI	-200	-150	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	NI	408	458	Center-Fiebrantz 138kV	Arcadian-Granville 345kV
2004	NI	105	155	Salem 345/161kV Tr.	Wempletown-Paddock 345kV
2005	NI	765	815	Salem 345/161kV Tr.	Beaver Channel-Savanna 161kV
2006	NI	101	151	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2007	NI	53	103	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	NI	69	119	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	NI	1377	1457	Oak Creek 345/138kV Tr.	Arcadian-Oak Creek 345kV
2010	NI	1436	1516	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2011	NI	1438	1518	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2012	NI	1388	1368	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV
2013	NI	1363	1586	Salem 345/161kV Tr.	Quad Cities-Sub 91 345kV

WPS Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NSP	442	618	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2000	NSP	452	638	T Corners-Wien 115kV	None
2001	NSP	373	573	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2002	NSP	-138	62	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2003	NSP	545	621	Buffalo Ridge-Lk Yankton 115kV	Split Rock-Pathfinder 115kV
2004	NSP	859	909	Rocky Run 345/115kV Tr #2	Rocky Run 345/115kV Tr #3
2005	NSP	898	892	Weston 345/115kV Tr.	Rocky Run-Northpoint 115kV
2006	NSP	435	429	Barron-Washington Co 161kV	Eau Claire-Arpin 345kV & Guide
2007	NSP	444	438	Barron-Washington Co 161kV	Eau Claire-Arpin 345kV & Guide
2008	NSP	87	81	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	NSP	138	168	Stinson 115kV Bus Tie	Arrowhead 230 kV Phase Shifter
2010	NSP	194	224	Stinson 115kV Bus Tie	Arrowhead 230 kV Phase Shifter
2011	NSP	190	220	Stinson 115kV Bus Tie	Arrowhead 230 kV Phase Shifter
2012	NSP	168	198	Stinson 115kV Bus Tie	Arrowhead 230 kV Phase Shifter
2013	NSP	-115	-28	Stinson 115kV Bus Tie	Arrowhead 230 kV Phase Shifter

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC	569	669	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2000	ATC	564	587	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2001	ATC	454	513	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr.
2002	ATC	-174	-58	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2003	ATC	952	993	Rocky Run-Northpoint 115kV	Weston-Rocky Run 345kV
2004	ATC	831	977	Rocky Run-Northpoint 115kV	Weston-Rocky Run 345kV
2005	ATC	856	1121	Weston 345/115kV Tr.	Rocky Run-Northpoint 115kV
2006	ATC	42	407	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2007	ATC	-178	227	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	ATC	81	486	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	ATC	1722	1921	Forest Jct-Glenview 138kV	Kewaunee 345/138 kV Tr.
2010	ATC	1800+	1999+	No Valid Limit Found	-
2011	ATC	1800+	2059+	No Valid Limit Found	-
2012	ATC	1800+	2149+	No Valid Limit Found	-
2013	ATC	1800+	1999+	No Valid Limit Found	-

WPS Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC-CE-NSP	402	815	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2000	ATC-CE-NSP	576	980	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr. & Kewaunee-Pt Beach 345kV
2001	ATC-CE-NSP	408	832	N Appleton-Lost Dauphin 138kV	Kewaunee 345/138 kV Tr. & Kewaunee-Pt Beach 345kV
2002	ATC-CE-NSP	-277	371	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	ATC-CE-NSP	585	1090	Rockdale-Cambridge Tp 138kV	King-Eau Claire-Arpin 345kV & Arpin Op Guide
2004	ATC-CE-NSP	819	1365	Center-Fiebrantz 138kV	Arcadian-Granville 345kV
2005	ATC-CE-NSP	855	1322	Weston 345/115kV Tr.	Rocky Run-Northpoint 115kV
2006	ATC-CE-NSP	601	1168	N Appleton-Werner West 345kV	King-Eau Claire-Arpin 345kV & Arpin Op Guide
2007	ATC-CE-NSP	96	703	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	ATC-CE-NSP	77	684	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	ATC-CE-NSP	1723	2032	Forest Jct-Glenview 138kV	Kewaunee 345/138 kV Tr.
2010	ATC-CE-NSP	1800+	2109+	No Valid Limit Found	-
2011	ATC-CE-NSP	1800+	2169+	No Valid Limit Found	-
2012	ATC-CE-NSP	1800+	2459+	No Valid Limit Found	-
2013	ATC-CE-NSP	1800+	2509+	No Valid Limit Found	-

MGE Import Capabilities

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ALTE	271	472	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	ALTE	251	276	Rockdale-Kegonsa 138kV	Columbia-N Madison 345kV
2001	ALTE	116	341	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	ALTE	-504	-273	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2003	ALTE	139	364	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	ALTE	117	424	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	ALTE	500+	732+	No Valid Limit Found	-
2006	ALTE	158	390+	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2007	ALTE	500+	732+	No Valid Limit Found	-
2008	ALTE	500+	732+	No Valid Limit Found	-
2009	ALTE	500+	800+	No Valid Limit Found	-
2010	ALTE	416	716	Sycamore-Blount 138kV	Waunakee-Waunakee Tap 138kV
2011	ALTE	500+	800+	No Valid Limit Found	-
2012	ALTE	500+	800+	No Valid Limit Found	-
2013	ALTE	500+	800+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WEC	150	150	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	WEC	5	5	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	WEC	74	74	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	WEC	-308	-308	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2003	WEC	85	85	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	WEC	72	72	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	WEC	377	377	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2006	WEC	500+	500+	No Valid Limit Found	-
2007	WEC	500+	500+	No Valid Limit Found	-
2008	WEC	500+	500+	No Valid Limit Found	-
2009	WEC	500+	500+	No Valid Limit Found	-
2010	WEC	384	499	Sycamore-Blount 138kV	N Madison-Waunakee 138kV
2011	WEC	500+	615+	No Valid Limit Found	-
2012	WEC	500+	615+	No Valid Limit Found	-
2013	WEC	500+	500+	No Valid Limit Found	-

MGE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WPS	141	232	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	WPS	8	109	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	WPS	81	183	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	WPS	-334	-233	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2003	WPS	94	184	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	WPS	79	90	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	WPS	353	364	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2006	WPS	500+	511+	No Valid Limit Found	-
2007	WPS	500+	511+	No Valid Limit Found	-
2008	WPS	500+	511+	No Valid Limit Found	-
2009	WPS	500+	511+	No Valid Limit Found	-
2010	WPS	383	394	Sycamore-Blount 138kV	N Madison-Waunakee 138kV
2011	WPS	500+	511+	No Valid Limit Found	-
2012	WPS	500+	511+	No Valid Limit Found	-
2013	WPS	500+	511+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	UPPC	-92	-92	N Appleton-Butte desMorts 138kV	N Appleton-Maes 138kV
2000	UPPC	8	8	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	UPPC	80	80	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	UPPC	-326	-326	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2003	UPPC	92	92	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	UPPC	77	77	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	UPPC	150+	150+	No Valid Limit Found	-
2006	UPPC	150+	150+	No Valid Limit Found	-
2007	UPPC	50	50	Ellington-Hintz 138kV	N Appleton-Werner West 345kV
2008	UPPC	150+	150+	No Valid Limit Found	-
2009	UPPC	150+	150+	No Valid Limit Found	-
2010	UPPC	150+	150+	No Valid Limit Found	-
2011	UPPC	150+	150+	No Valid Limit Found	-
2012	UPPC	150+	150+	No Valid Limit Found	-
2013	UPPC	150+	150+	No Valid Limit Found	-
2013	UPPC	150+	150+	No Valid Limit Found	-

MGE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MECS	162	162	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	MECS	10	10	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	MECS	73	73	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	MECS	-294	-294	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2003	MECS	84	84	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	MECS	70	70	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	MECS	215	215	Livingston-Emmit Co 138kV	Riggsville-McGulpin 138kV
2006	MECS	500+	500+	No Valid Limit Found	-
2007	MECS	500+	500+	No Valid Limit Found	-
2008	MECS	198	198	Livingston-Emmit Co 138kV	Riggsville-McGulpin 138kV
2009	MECS	500+	500+	No Valid Limit Found	-
2010	MECS	388	388	Sycamore-Blount 138kV	N Madison-Waunakee 138kV
2011	MECS	500+	500+	No Valid Limit Found	-
2012	MECS	500+	500+	No Valid Limit Found	-
2013	MECS	500+	500+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NI	162	222	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	NI	10	40	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	NI	73	88	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	NI	-290	-175	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2003	NI	83	198	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	NI	70	185	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	NI	411	511	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2006	NI	500+	600+	No Valid Limit Found	-
2007	NI	500+	600+	No Valid Limit Found	-
2008	NI	149	249	Highway V-Preble 138kV	Lost Dauphin-Red Maple 138kV
2009	NI	500+	550+	No Valid Limit Found	-
2010	NI	389	439	Sycamore-Blount 138kV	N Madison-Waunakee 138kV
2011	NI	500+	550+	No Valid Limit Found	-
2012	NI	500+	550+	No Valid Limit Found	-
2013	NI	500+	600+	No Valid Limit Found	-

MGE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NSP	164	164	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	NSP	10	10	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	NSP	80	80	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	NSP	-133	-133	Christiana-Kegonsa 138kV	N Madison-Columbia 345kV
2003	NSP	91	91	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	NSP	76	76	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	NSP	408	408	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2006	NSP	500+	500+	No Valid Limit Found	-
2007	NSP	500+	500+	No Valid Limit Found	-
2008	NSP	500+	500+	No Valid Limit Found	-
2009	NSP	500+	500+	No Valid Limit Found	-
2010	NSP	390	390	Sycamore-Blount 138kV	N Madison-Waunakee 138kV
2011	NSP	500+	500+	No Valid Limit Found	-
2012	NSP	500+	500+	No Valid Limit Found	-
2013	NSP	500+	520+	No Valid Limit Found	-

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC	164	456	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	ATC	10	336	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	ATC	82	409	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2002	ATC	-339	-7	Christiana-Kegonsa 138kV	Christiana-Fitchburg 138kV
2003	ATC	96	411	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2004	ATC	80	398	Christiana-Fitchburg 138kV	Christiana-Kegonsa 138kV
2005	ATC	414	657	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2006	ATC	500+	743+	No Valid Limit Found	-
2007	ATC	500+	743+	No Valid Limit Found	-
2008	ATC	500+	743+	No Valid Limit Found	-
2009	ATC	500+	811+	No Valid Limit Found	-
2010	ATC	392	818	Sycamore-Blount 138kV	N Madison-Waunakee 138kV
2011	ATC	500+	926+	No Valid Limit Found	-
2012	ATC	500+	926+	No Valid Limit Found	-
2013	ATC	500+	811+	No Valid Limit Found	-

MGE Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC-CE-NSP	163	553	N Madison 345/138 kV Tr. #1	N Madison 345/138 kV Tr. #2
2000	ATC-CE-NSP	10	406	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2001	ATC-CE-NSP	257	629	Christiana-Kegonsa 138kV	Columbia-N Madison 345kV
2002	ATC-CE-NSP	-140	337	Christiana-Kegonsa 138kV	Columbia-N Madison 345kV
2003	ATC-CE-NSP	190	650	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2004	ATC-CE-NSP	108	571	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2005	ATC-CE-NSP	410	753	N Madison 345/138 kV Tr. #2	N Madison 345/138 kV Tr. #1
2006	ATC-CE-NSP	500+	843+	No Valid Limit Found	-
2007	ATC-CE-NSP	500+	843+	No Valid Limit Found	-
2008	ATC-CE-NSP	500+	843+	No Valid Limit Found	-
2009	ATC-CE-NSP	500+	861+	No Valid Limit Found	-
2010	ATC-CE-NSP	390	866	Sycamore-Blount 138kV	N Madison-Waunakee 138kV
2011	ATC-CE-NSP	500+	976+	No Valid Limit Found	-
2012	ATC-CE-NSP	500+	976+	No Valid Limit Found	-
2013	ATC-CE-NSP	500+	931+	No Valid Limit Found	-

UPPC Import Capabilities

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ALTE	57	73	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	ALTE	53	67	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	ALTE	-384	-384	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2002	ALTE	-238	-223	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2003	ALTE	-67	-52	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	ALTE	-148	-133	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2005	ALTE	-128	-113	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	ALTE	53	68	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	ALTE	64	79	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	ALTE	-173	-158	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	ALTE	103	103	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	ALTE	80	80	Weston-Rural East 115kV	Maine-Pine 115kV
2011	ALTE	22	22	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2012	ALTE	-195	-195	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	ALTE	88	88	North Lake-M38 138kV	Perch Lake-M38 138kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WEC	61	111	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	WEC	56	121	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	WEC	-59	-59	Freeman-Cedar 138kV	Presque Isle-Cedar 138kV
2002	WEC	-83	-18	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2003	WEC	-73	-8	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	WEC	-69	-4	Livingston-Emmit Co 138kV	Livingston-Vanderbilt 138kV
2005	WEC	-149	-84	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	WEC	62	127	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	WEC	74	139	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	WEC	-186	-121	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	WEC	103	183	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	WEC	85	165	Weston-Rural East 115kV	Maine-Pine 115kV
2011	WEC	24	104	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2012	WEC	-214	-134	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	WEC	88	168	North Lake-M38 138kV	Perch Lake-M38 138kV

UPPC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	WPS	57	87	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	WPS	53	83	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	WPS	-52	13	Freeman-Cedar 138kV	Presque Isle-Cedar 138kV
2002	WPS	-76	-46	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2003	WPS	-66	-36	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	WPS	-64	-34	Livingston-Emmit Co 138kV	Livingston-Vanderbilt 138kV
2005	WPS	-42	-12	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2006	WPS	61	91	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	WPS	74	104	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	WPS	-62	-32	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	WPS	104	134	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	WPS	103	133	Weston-Rural East 115kV	Maine-Pine 115kV
2011	WPS	102	132	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2012	WPS	100	130	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	WPS	89	119	North Lake-M38 138kV	Perch Lake-M38 138kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MGE	57	57	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	MGE	53	53	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	MGE	-354	-354	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2002	MGE	-221	-221	Whitewater-Mukwanago 138kV	Sugar Creek-University 138kV
2003	MGE	-422	-422	Columbia-Portage 138kV Ckt2	Columbia-Portage 138kV Ckt1
2004	MGE	-690	-690	Columbia-Portage 138kV Ckt1	Columbia-Portage 138kV Ckt2
2005	MGE	-120	-120	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	MGE	52	52	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	MGE	63	63	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	MGE	-166	-166	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	MGE	103	103	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	MGE	77	77	Weston-Rural East 115kV	Maine-Pine 115kV
2011	MGE	21	21	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2012	MGE	-187	-187	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	MGE	88	88	North Lake-M38 138kV	Perch Lake-M38 138kV

UPPC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	MECS	57	57	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	MECS	54	54	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	MECS	-53	-53	Freeman-Cedar 138kV	Presque Isle-Cedar 138kV
2002	MECS	-215	-215	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	MECS	-68	-68	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	MECS	-122	-122	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2005	MECS	-119	-119	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	MECS	44	44	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	MECS	52	52	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	MECS	-168	-168	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	MECS	103	103	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	MECS	78	78	Weston-Rural East 115kV	Maine-Pine 115kV
2011	MECS	21	21	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2012	MECS	-192	-192	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	MECS	88	88	North Lake-M38 138kV	Perch Lake-M38 138kV

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NI	57	57	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	NI	53	53	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	NI	-53	-53	Freeman-Cedar 138kV	Presque Isle-Cedar 138kV
2002	NI	-206	-206	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	NI	-67	-67	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	NI	-133	-133	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2005	NI	-118	-118	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	NI	48	48	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	NI	58	58	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	NI	-165	-165	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	NI	103	103	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	NI	76	76	Weston-Rural East 115kV	Maine-Pine 115kV
2011	NI	21	21	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2012	NI	-186	-186	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	NI	88	88	North Lake-M38 138kV	Perch Lake-M38 138kV

UPPC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	NSP	57	57	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	NSP	-146	-146	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2001	NSP	-322	-322	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2002	NSP	-76	-76	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2003	NSP	-67	-67	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	NSP	-143	-143	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2005	NSP	-89	-89	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	NSP	52	52	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	NSP	62	62	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	NSP	-143	-143	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	NSP	104	104	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	NSP	-135	-135	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2011	NSP	-326	-326	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2012	NSP	-505	-505	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2013	NSP	-120	-120	Stinson 115kV Bus Tie	Arrowhead 230 kV Phase Shifter

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC	59	153	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	ATC	55	164	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	ATC	-55	10	Freeman-Cedar 138kV	Presque Isle-Cedar 138kV
2002	ATC	-88	22	Kewaunee 345/138 kV Tr.	Kewaunee-N Appleton 345kV
2003	ATC	-70	40	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	ATC	-64	46	Livingston-Emmit Co 138kV	Livingston-Vanderbilt 138kV
2005	ATC	-187	-77	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	ATC	59	169	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	ATC	71	181	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	ATC	-200	-90	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	ATC	103	213	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	ATC	102	212	North Lake-M38 138kV	Perch Lake-M38 138kV
2011	ATC	101	211	North Lake-M38 138kV	Perch Lake-M38 138kV
2012	ATC	-94	16	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	ATC	88	198	North Lake-M38 138kV	Perch Lake-M38 138kV

UPPC Import Capabilities Continued

Year	From	FCITC	FCTTC	Limiting Element	Contingency
1999	ATC-CE-NSP	57	166	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2000	ATC-CE-NSP	55	164	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2001	ATC-CE-NSP	-53	12	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2002	ATC-CE-NSP	-307	-197	Valley-Haymarket 138kV	Valley-Everett 138kV
2003	ATC-CE-NSP	-68	42	Presque Isle-Freeman 138kV	Presque Isle-Cedar 138kV
2004	ATC-CE-NSP	-145	-35	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2005	ATC-CE-NSP	-124	-14	Weston-Kelly 115kV	Hilltop-Sherman St 115kV
2006	ATC-CE-NSP	50	160	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2007	ATC-CE-NSP	65	175	Riggsville 138kV Bus Tie	Livingston-Emmit Co 138kV
2008	ATC-CE-NSP	-168	-58	Bunkerhill-Blackbrook 115kV	Weston-Rural East 115kV
2009	ATC-CE-NSP	103	213	North Lake-M38 138kV	Perch Lake-M38 138kV
2010	ATC-CE-NSP	81	191	Weston-Rural East 115kV	Maine-Pine 115kV
2011	ATC-CE-NSP	22	132	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2012	ATC-CE-NSP	-201	-91	Hilltop-Maine 115kV	Gardner Park-Kelly 115kV
2013	ATC-CE-NSP	88	198	North Lake-M38 138kV	Perch Lake-M38 138kV

- The values represent thermal capability only and do not address voltage stability or dynamic stability issues associated with increased transfer capability

- The values are calculated for reliability purposes only and do not reflect commercially available ATC
- All exports with the exception of MECS, NI, and NSP are modeled solely from load reductions
- All imports are modeled as generation reductions with the exception of UPPC where load increases where necessary due to the small amount of generation modeled on-line.
- The PTDF/OTDF cutoff used was 3%
- Years 2005 through 2013 include all projects listed in the new 2004 Ten Year Assessment for the appropriate years
- First Contingency Total Transfer Capability (FCTTC) = FCITC + Base imports from the respective areas, with the exception of imports from ATC-CE-NSP which include all base imports for the control area studied
- Shares of jointly owned units are included as base schedules from the host control area.
- Bus & bus tie outages are not considered
- Generator outages are not considered

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- All Operating guides are assumed to be available
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