



15 Year Analysis Results

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PJM Transmission Planning

Transmission Expansion Advisory Committee
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15 Year Analysis Result – 2023 RTEP

- M14B Requirement: Long-term deliverability analysis to identify the following needs for inclusion in the RTEP:
 - New 230 kV or 345 kV circuits to support load growth in years 6 through 8
 - Right-of way acquisition for any new 230 kV or 345 kV circuits to support load growth in years 9 and 10
 - New 500 kV or greater circuits to support load growth in years 6 through 12

- Study Result
 - PJM identified 21 potential overloads at 230 kV level in years 6 through 10, and 7 potential overloads at 500 kV level in years 6 through 11
 - PJM will continue monitoring these longer term needs as they further materialize and consider (among others):
 - Right sizing near term solutions
 - Monitor the developing need trend and certainty of development

Season	Contingency	From Bus	From Name	To Bus	To Name	CKT	KVs	Areas	100% Year
LL	Single	200908	26CHAPMAN+	235220	01MOSHAN	1	230	226/201	2032
LL	Single	203965	26MOLLY	200908	26CHAPMAN+	1	230	226/226	2029
Winter	Single	204514	27TMI	204502	27JACKSON	1	230	227/227	2032
Winter/LL	Single	204693	27BOONETOWN	204512	27S.RDG	1	230	227/227	2030/2033
LL	Tower	207968	ELIM	208109	SUNB	1	230	229/229	2033
Summer	Single	213519	CONOWG01	231006	COLOR_PE	1	230	230/235	2031
Winter	Single	213819	N PHILA8	213783	MASTER	1	230	230/230	2031
Winter	Tower	218469	METUCHEN	218357	PRSNV_Z	1	230	231/231	2033
Winter	Single	220941	H.RDGE16	220983	SANDY14T	1	230	232/232	2032
Winter	Single	220941	H.RDGE16	220984	SANDY34T	1	230	232/232	2032
Winter	Single	220960	BRANDN.S	221948	SOLLEY_42	42	230	232/232	2032
LL	Single	223938	DICKH230	314290	6EDFERRY	1	230	233/345	2032
Summer	Single	313818	6BENCHRCH	313866	6COPELAND	1	230	345/345	2033
Summer	Single	314282	6CARSON	314331	6POE	1	230	345/345	2033
LL	Single	314290	6EDFERRY	313911	6TWINCREEKS	1	230	345/345	2029
Summer	Single	314333	6POWHATN	314322	6MDLTHAN	1	230	345/345	2033
Summer	Single	314522	6CHCKTUK	313818	6BENCHRCH	1	230	345/345	2031
Summer	Single	314569	6EARLEYS	314575	6NUCO TP	1	230	345/345	2031
Summer	Single	314575	6NUCO TP	314537	6SUFFOLK	1	230	345/345	2033
Winter	Single	316281	AC2-100 TAP	316218	AC1-221 TAP	1	230	345/345	2032
Summer	Single	316335	AC2-165 TAP	314333	6POWHATN	1	230	345/345	2033
Summer/Winter/LL	Tower	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2031/2032/2034
Summer/Winter/LL	Single/Tower	313403	8ASPEN	314933	8BRAMBLETON	1	500	345/345	2031/2029/2033
Summer	Single	314901	8BATH CO	314991	8VALLEY SC	1	500	345/345	2032
Summer	Single	314929	8FRONT ROYAL	314916	8MORRSVL	1	500	345/345	2032
Summer	Single	314936	8RAWLINGS	314902	8CARSON	1	500	345/345	2032
Summer	Single	314940	8ROGERS RD	314902	8CARSON	1	500	345/345	2033
Summer	Single	314991	8VALLEY SC	314926	8VALLEY	1	500	345/345	2032

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