

	Electrical Occurrence	Electrical Result	PJM Reliability Test	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1	Normal operation	Greystone Q - Whippany 230 kV exceeds its normal rating and overloads (2012)	Generator Deliverability	105.6	107.2	108.9	110.2	111.7	113.2	114.5	115.9	117.4	118.9	120.6
2	Outage of Whippany - Roseland 230 kV line	Branchburg - Readington 230 kV exceeds its emergency rating and overloads (2012)	PSEG Load Deliverability	102.7	103.7	105.1	106.4	107.7	109.1	110.2	111.6	113.1	114.6	116.3
3	Outage of Whippany - Roseland 230 kV line	Readington - Roseland 230 kV exceeds its emergency rating and overloads (2012)	PSEG North Load Deliverability	100.4	101.2	102.4	103.4	104.5	105.6	106.6	107.8	109.1	110.3	111.8
4	Outage of Portland - Martins Creek 230 kV line	Bushkill - Kittatinny 230 kV exceeds its emergency rating and overloads (2013)	PSEG Load Deliverability	99.0	100.7	102.4	103.9	105.6	107.2	108.6	110.2	111.8	113.7	115.7
5	Outage of Whippany - Roseland 230 kV line	Montville - Roseland 230 kV exceeds its emergency rating and overloads (2014)	PSEG Load Deliverability	99.2	99.7	100.6	101.0	101.4	102.0	102.5	103.2	103.9	104.5	105.3
6	Outage of Kittatinny - Newton 230 kV line	Whippany - Roseland 230 kV exceeds its emergency rating and overloads (2014)	PSEG North Load Deliverability	99.2	99.8	100.8	101.5	102.2	103.1	103.8	104.7	105.6	106.5	107.5
7	Normal operation	Martin Creek - Portland 230 kV exceeds its normal rating and overloads (2014)	Eastern Mid-Atlantic Load Deliverability	98.0	99.4	100.8	102.1	103.6	104.9	106.1	107.4	108.8	110.3	111.8
8	Outage of Croydon - Burlington - Mt. Laurel - Cox's Corner 230 kV line	Richmond - Camden 230 kV exceeds its emergency rating and overloads (2015)	Eastern Mid-Atlantic Load Deliverability	94.7	97.2	99.3	100.9	102.9	104.5	105.9	107.6	109.5	111.4	113.5
9	Outage of Greystone - Whippany 230 kV line and Whippany 230/115 kV transformer	W. Wharton - Greystone 230 kV exceeds its emergency rating and overloads (2016)	PSEG Load Deliverability	95.2	96.5	97.8	98.9	100.0	101.2	102.2	103.4	104.5	105.8	107.1
10	Outage of Glen Gardner - Gilbert 230 kV line	Kittatinny - Pohatcong 230 kV exceeds emergency rating and overloads (2016)	Generator Deliverability	93.5	95.2	96.9	98.4	100.0	101.6	102.9	104.5	106.0	107.7	109.5
11	Outage of Whippany - Roseland 230 kV line	Kittatinny - Newton 230 kV exceeds emergency rating and overloads (2017)	PSEG Load Deliverability	94.0	95.3	96.7	97.9	99.2	100.5	101.6	102.9	104.2	105.6	107.0
12	Outage of Portland - Martins Creek 230 kV line	Martins Creek - Morris Park 230 kV exceeds its emergency rating and overloads (2017)	Generator Deliverability	93.2	94.8	96.2	97.6	99.0	100.4	101.6	103.0	104.3	105.8	107.2
13	Outage of Deans - Smithburg 500 kV line and Deans 500/230 kV transformer and Smithburg 500/230 kV transformer	East Windsor - Smithburg 230 kV exceeds its emergency rating and overloads (2017)	JCPL Load Deliverability	91.9	93.7	95.4	97.0	98.8	100.4	101.7	103.3	104.9	106.8	108.6
14	Outage of Keeney - Rockspring 500 kV line	Waneeta - Richmond 230 kV exceeds emergency rating and overloads (2017)	Eastern Mid-Atlantic Load Deliverability	90.8	93.4	95.5	97.1	99.3	101.1	102.7	104.6	106.6	109.0	111.4
15	Outage of Whippany - Roseland 230 kV line	Newton - Lk Iliff 230 kV exceeds its emergency rating and overloads (2018)	PSEG Load Deliverability	93.9	95.1	96.4	97.4	98.5	99.7	100.7	101.9	103.0	104.2	105.6
16	Outage of Portland - Greystone Q 230 kV line	Portland - Kittatinny 230 kV exceeds its emergency rating and overloads (2019)	Generator Deliverability	92.2	93.5	94.9	96.1	97.5	98.7	99.8	101.1	102.4	103.7	105.1
17	Outage of Whippany - Roseland 230 kV line	Lk Iliff - Montville 230 kV exceeds its emergency rating and overloads (2019)	PSEG Load Deliverability	93.1	94.3	95.6	96.6	97.7	98.8	99.8	101.0	102.1	103.3	104.6
18	Outage of Alburts - Branchburg 500 kV line	Hosensack - Elroy 500 kV exceeds its emergency rating and overloads (2019)	Eastern Mid-Atlantic Load Deliverability	90.6	92.4	93.9	95.2	96.7	98.1	99.4	100.9	102.2	103.9	105.6
19	Outage of Portland - Martins Creek 230 kV line	Glen Gardner - Chester 230 kV exceeds its emergency rating and overloads (2019)	PSEG Load Deliverability	91.2	92.6	94.0	95.3	96.7	98.1	99.3	100.6	102.0	103.4	104.9
20	Outage of Portland - Kittatinny 230 kV line	Portland - Greystone Q 230 kV exceeds its emergency rating and overloads (2020)	Generator Deliverability	89.7	91.1	92.5	93.8	95.1	96.4	97.6	98.8	100.1	101.5	102.9
21	Outage of Deans - Windsor 500 kV line	Coxcorner - Lumberton 230 kV exceeds emergency rating and overloads (2021)	JCPL Load Deliverability	90.6	91.8	93.0	94.2	95.5	96.5	97.5	98.6	99.8	101.0	102.3
22	Outage of Glen Gardner - Gilbert 230 kV line	Gilbert - Morristown 230 kV exceeds its emergency rating and overloads (2021)	PSEG Load Deliverability	89.0	90.4	91.9	93.2	94.6	95.9	97.1	98.4	99.8	101.3	102.8
23	Outage of Readington - Branchburg 230 kV line	Bridgewater - Middlesex 230 kV exceeds its emergency rating and overloads (2021)	Eastern Mid-Atlantic Load Deliverability	88.6	89.9	91.3	92.6	94.2	95.5	96.7	98.1	99.6	101.2	103.0