

	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

	Electrical Occurrence	Electrical Result	PJM Reliability Test	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
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 Alburdis - 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