



# PJM NERC Data Requests

March 10, 2025

Reliability & Standards Compliance  
Subcommittee

# EOP-011 R1.2.5 and R2.2.8 and PRC-006 R6 and R8, PRC-006-SERC-3

## Applicable to Entities listed in:

- [Manual 13](#) Emergency Operations: Attachment E Manual Load Dump Allocation Tables
- [Manual 13](#) Emergency Operations: Attachment F Manual Load Dump Capability
- [Manual 36](#) System Restoration: Attachment H Underfrequency Load Shed (UFLS) Tables

## Attachment E: Manual Load Dump Allocation Tables

Winter/Summer Required Manual Load Dump PJM Mid-Atlantic Region																
MW	PS	PE	PPL Zone		BC	FE-East	PEPCO ZONE		AE		DPL Zone					
			PPL	UGI			PEPCO	SMECO	AECO	Vineland	DPL	ODEC	DEMEC	Dover	Easton	Rockland
%	17.38%	14.81%	12.63%	0.34%	11.44%	20.95%	9.29%	1.42%	4.01%	0.25%	4.55%	1.37%	0.50%	0.23%	0.09%	0.72%
500	87	74	63	2	57	105	46	7	20	1	23	7	3	1	0	4
1000	174	148	126	3	114	210	93	14	40	3	45	14	5	2	1	7
1500	261	222	190	5	172	314	139	21	60	4	68	21	8	3	1	11
2000	348	296	253	7	229	419	186	28	80	5	91	27	10	5	2	14
3000	521	444	379	10	343	629	279	43	120	8	136	41	15	7	3	22
4000	695	592	505	14	457	838	372	57	160	10	182	55	20	9	4	29
5000	869	741	632	17	572	1048	465	71	201	13	227	69	25	12	5	36

Manual Load Dump Allocation - PJM Mid-Atlantic Region

When issuing a manual Load Dump via All Call, the PJM Dispatcher will include the following information in the message:

- ✓ (1) Area (PJM Mid-Atlantic Region, Eastern Portion of PJM Mid-Atlantic Region, or a zone / company)
- ✓ (2) Total megawatts (refer to appropriate tables for allocation)
- ✓ (3) Allocation table to be used
- ✓ (4) Transmission Zone allocations will be handled separately based on PJM EMS capacity calculations

Allocation percentages are based on 2024 summer but applicable to both 2024 summer and 2024/2025 Winter Load conditions

## Attachment F: PJM Manual Load Dump Capability

PJM Manual Load Dump Capability							
	1	2	3	4	5	6	7
Transmission Owner	2024 Summer System Peak Load Est. (MW)	Maximum Manual Load Shedding Capability based on System Peak Load Estimate (MW)	Load Shed Cap (%) (Percent = #2 ÷ #1)	Overlap of Load Shedding and Under frequency Loads (MW)	Overlap of Load Shedding and Under frequency Loads (%) (Percent = #4 ÷ #2)	Manual Load Shedding if Under frequency relays have operated (MW) (MW = #2 - #4)	Manual Load Shedding if Under frequency relays have operated (%) (Percent = #6 ÷ #1)
DPL	2,751	834	30.32%	240	28.75%	594	21.60%
DPL - Dover	126	47	37.08%	28	59.83%	19	14.90%
DPL - DEMEC	272	0	0.00%	0	-	0	0.00%
DPL - Easton	50	17	34.66%	2	11.49%	15	30.68%
DPL - ODEC	745	0	0.00%	0	-	0	0.00%
AE	2,457	774	31.49%	137	17.76%	636	25.90%
AE - Vineland	136	67	49.18%	42	63.52%	24	17.94%
PS	10,068	1659	16.48%	285	17.15%	1375	13.65%
RECO	410	410	100.00%	141	34.35%	269	65.65%

## Attachment H: Under Frequency Load Shed (UFLS) Tables

PJM Under Frequency Load Shedding (Hz)																	
UFLS Entity	59.5 Hz	59.3 Hz	59.1 Hz	59.0 Hz	58.9 Hz	58.7 Hz	58.5 Hz	Total	2024 Peak Forecast	59.5 Hz	59.3 Hz	59.1 Hz	59.0 Hz	58.9 Hz	58.7 Hz	58.5 Hz	Total
AE *		264			276		269	809	2,457		10.75%			11.24%		10.95%	32.94%
Vineland *		24			21		24	69	136		17.95%			15.08%		17.85%	50.89%
BGE *		651			652		658	1962	6,491		10.04%			10.05%		10.14%	30.22%
DPL *		288			306		288	882	2,751		10.47%			11.14%		10.46%	32.07%
ODEC - DPL *		86			84		80	250	745		11.58%			11.23%		10.68%	33.49%
DEMEC *		39			30		31	99	272		14.28%			10.89%		11.35%	36.53%
Easton *		6			6		5	17	50		12.55%			11.35%		10.76%	34.66%
Dover *		15			16		18	49	126		11.86%			12.90%		14.22%	38.99%
FE East - JC *		696			703		682	2081	6,052		11.50%			11.61%		11.27%	34.39%
FE East - ME *		340			371		346	1057	3,036		11.19%			12.23%		11.40%	34.82%
FE East - PN *		365			319		294	978	2,867		12.72%			11.13%		10.27%	34.11%
PECO *		939			898		903	2740	8,581		10.94%			10.46%		10.52%	31.93%
PEPCO *		598			581		563	1743	5,281		11.33%			11.00%		10.67%	33.00%
SMECO *		80			81		80	241	772		10.33%			10.48%		10.41%	31.22%
PPL *		799			809		836	2444	7,126		11.21%			11.35%		11.73%	34.30%
UGI *		24			22		25	71	197		12.03%			11.32%		12.54%	35.89%
Public Service *		1059			1078		1219	3356	10,068		10.52%			10.71%		12.11%	33.33%
RECO *		48			46		46	141	410		11.73%			11.33%		11.30%	34.35%
Neptune*		66			66		66	198	660		10.00%			10.00%		10.00%	30.00%
HTP*		66			66		66	198	660		10.00%			10.00%		10.00%	30.00%
Com Ed *		2247		2218		2292		6757	20,372		11.03%		10.89%		11.25%		33.17%
Dominion *		1921		1852			1921	5694	19,320		9.94%		9.59%			9.94%	29.47%
NOVEC *		201		203			208	612	1,781		11.27%		11.40%			11.68%	34.35%
ODEC - DVP *		152		152			172	476	1,187		12.78%		12.79%			14.50%	40.07%
NCEMC - DVP *		28		30			33	92	275		10.36%		11.05%			12.19%	33.61%
FE South **	470	465	458		445	369		2206	8,227	5.71%	5.65%	5.56%		5.41%	4.48%		26.82%
ODEC - AP **	36	46	36		38	43		199	608	5.97%	7.52%	5.89%		6.29%	7.01%		32.68%
AEP **	1783	1931	1739		1849	1878		9180	22,902	7.79%	8.43%	7.59%		8.07%	8.20%		40.08%
Dayton **	238	234	248		230	262		1212	3,319	7.18%	7.05%	7.48%		6.93%	7.88%		36.53%
Duquesne **	146	138	140		152	140		717	2,705	5.41%	5.11%	5.19%		5.63%	5.16%		26.50%
FE West **	680	719	654		687	659		3399	11,424	5.95%	6.29%	5.73%		6.02%	5.77%		29.76%
DEOK **	448	478	389		468	429	483	2695	5,332	8.40%	8.96%	7.30%		8.78%	8.05%	9.06%	50.54%
CPP **	14	15	14		14	14		70	269	5.06%	5.71%	5.09%		5.11%	5.13%		26.11%
EKPC**	109	109	110		106	106	108	648	2,070	5.27%	5.27%	5.31%		5.12%	5.12%	5.22%	31.30%

PJM, as the Planning Coordinator is required to maintain its UFLS (Under Frequency Load Shed) and manual load shed databases **at least once each calendar year**, with no more than 15 months between maintenance activities.

Also per PRC-006-SERC, PJM expects Transmission Owners and Distribution Providers within the SERC region that are identified in *Manual 36 Attachment H* to maintain a time delay (from frequency reaching the set point to the trip signal) of **at least 6 cycles**. SERC requires Transmission Owners and Distribution Providers to maintain 30%.

The data request is based on the 2025 Summer Peak LAS Normal Load Forecasts.



*PJM provides this standing update to the Reliability & Standards Compliance Subcommittee to provide guidance to Registered Entities regarding PJM-related data requests applicable to certain NERC Reliability Standards, and to provide a forum through which such Registered Entities can ask questions of PJM staff. This standing update is not intended to serve as complete or definitive guidance regarding how to comply with a PJM-related data request, how to otherwise comply with specific NERC Reliability Standards, or how to otherwise carry out the obligations of Registered Entities.*

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