



Manual 13: Emergency Procedures

Revision 89 Updates

Frank Hartman
Shift Supervisor, Dispatch
SOS
July 6th, 2023

- Periodic Review
- Minor grammatical & formatting edits
- Updated references to Capacity Exchange
- Removed PJM Shift Supervisor phone number
- Updated Attachments E & F

- Section 2.3.2 Grammatical cleanup of the 3rd note under step 2
- Section 2.2 Grammatical cleanup
- Section 3.3.2 Removed extra bullet under “Member Actions” for Cold Weather Alert
- Section 3.3.2 bullets adjusted to more clearly show under the preceding ‘in advance of the Day Ahead Market’ language.
- Section 3.9 Note cleanup
- Section 5.4 Removed extra bullet
- Section 5.5 Removed repetitive statement in note

- Section 4.2
 - Removed references to the PJM Shift Supervisor phone number
- Section 2.3.2 & 5.2
 - Replaced eCapacity reference with Capacity Exchange

Winter/Summer Required Manual Load Dump PJM Mid-Atlantic Region																
MW	PS	PE	PPL Zone		BC	FE-East	PEPCO ZONE		AE		DPL Zone					Rockland
			PPL	UGI			PEPCO	SMECO	AECO	Vineland	DPL	ODEC	DEMEC	Dover	Easton	
%	17.26%	14.89%	12.61%	0.35%	11.41%	20.90%	9.11%	1.38%	4.16%	0.27%	4.70%	1.43%	0.46%	0.27%	0.09%	0.70%
500	86	74	63	2	57	104	46	7	21	1	24	7	2	1	0	3
1000	173	149	126	3	114	209	91	14	42	3	47	14	5	3	1	7
1500	259	223	189	5	171	313	137	21	62	4	71	21	7	4	1	10
2000	345	298	252	7	228	418	182	28	83	5	94	29	9	5	2	14
3000	518	447	378	10	342	627	273	42	125	8	141	43	14	8	3	21
4000	690	595	504	14	457	836	364	55	166	11	188	57	19	11	4	28
5000	863	744	631	17	571	1045	455	69	208	13	235	72	23	14	5	35

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:

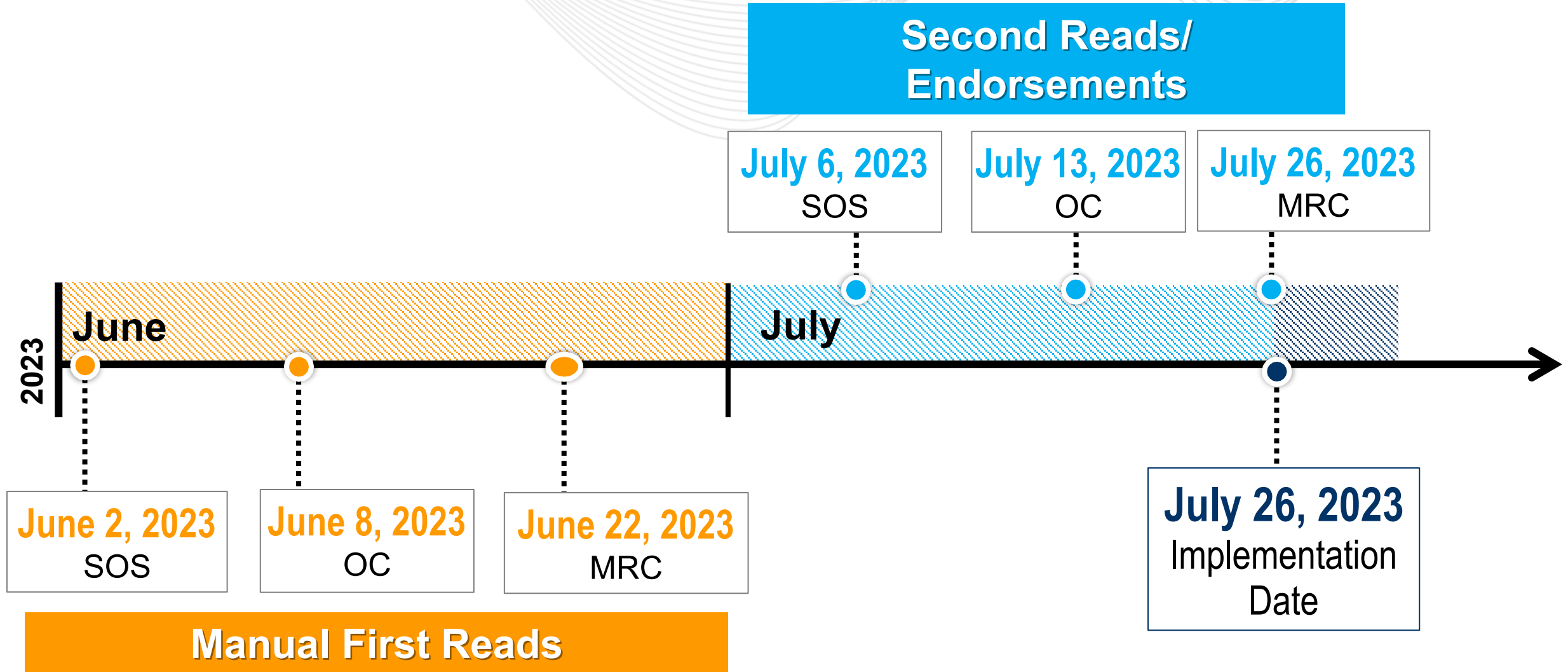
- (1)Area (PJM Mid-Atlantic Region, Eastern Portion of PJM Mid-Atlantic Region, or a zone / company)
- (2)Total megawatts (refer to appropriate tables for allocation)
- (3)Allocation table to be used
- (4)Transmission Zone allocations will be handled separately based on PJM EMS capacity calculations

Allocation percentages are based on 2023 summer but applicable to both 2023 summer and 2023/2024 Winter Load conditions

PJM Manual Load Dump Capability							
	1	2	3	4	5	6	7
Transmission Owner	2023 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	2,630	880	33.44%	267	30.36%	613	23.29%
DPL - Dover	148	66	44.30%	39	59.60%	27	17.90%
DPL - DEMEC	252	0	0.00%	0	-	0	0.00%
DPL - Easton	51	19	37.04%	4	21.05%	15	29.24%
DPL - ODEC	779	31	3.98%	14	45.16%	17	2.18%
AE	2,403	751	31.26%	133	17.71%	618	25.72%
AE - Vineland	146	85	58.27%	40	46.78%	45	31.01%
PS	9,904	1632	16.48%	280	17.16%	1352	13.65%
RECO	414	414	100.00%	142	34.35%	272	65.65%
PE	8,527	1218	14.28%	333	27.34%	885	10.38%
FE East - JC	6,072	1548	25.49%	4	0.25%	1544	25.43%
PL	7,175	6304	87.86%	2500	39.66%	3804	53.02%
UGI	195	195	100.00%	72	36.92%	123	63.08%
FE East - ME	3,040	853	28.06%	0	0.00%	853	28.06%
FE East - PN	2,871	1022	35.60%	0	0.00%	1022	35.60%
BC	6,474	2938	45.38%	776	26.41%	2162	33.40%
PEPCO	5,413	4516	83.42%	1638	36.28%	2877	53.16%
PEP - SMECO	753	385	51.17%	145	37.75%	240	31.85%
FE South	8,097	1935	23.90%	205	10.59%	1730	21.37%
FE South-ODEC	627	31	4.95%	17	54.84%	14	2.23%
Dom	18,910	10501	55.53%	2999	28.55%	7503	39.68%
Dom - ODEC	1,036	49	4.73%	31	63.27%	18	1.74%
Dom - NCEMC	273	0	0.00%	0	-	0	0.00%
Dom - NOVEC	1,489	252	16.94%	65	25.73%	187	12.58%
AEP	22,453	8636	38.46%	4851	56.17%	3785	16.86%
DLCO	2,712	1378	50.81%	439	31.86%	939	34.62%
Dayton	3,295	814	24.71%	0	0.00%	814	24.71%
FE West	11,010	1701	15.45%	537	31.56%	1164	10.57%
CPP	285	96	33.72%	73	76.04%	23	8.08%
Com Ed	20,382	12773	62.67%	3662	28.67%	9111	44.70%
DEOK	5,249	1201	22.88%	0	0.00%	1201	22.88%
EKPC	2,027	1327	65.46%	451	34.01%	876	43.20%
OVEC	95	0	0.00%	0	-	0	0.00%
Neptune	660	0	0.00%	0	-	0	0.00%
HTP	660	0	0.00%	0	-	0	0.00%

Legend

Calculation
User enterable field
Non enterable field
Header
Capability less than required



SME/Presenter:
Frank Hartman,
frank.hartman@pjm.com

Manual 13, Rev. 89



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com