



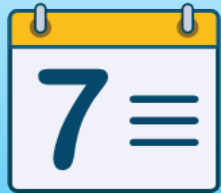
Load Forecast Adjustments Education

Market Implementation Committee
October 4, 2023

Andrew Gledhill
Resource Adequacy Planning

Load Data

Hourly metered load data and estimated load drops



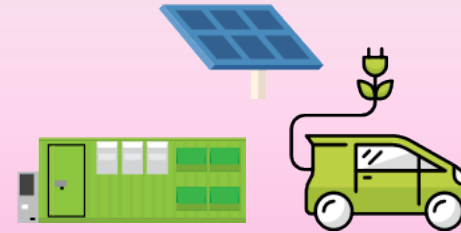
**Calendar
Data**



**Economic
Drivers**



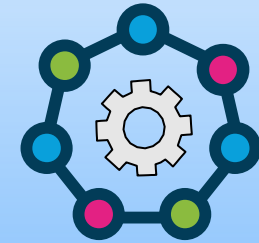
**Weather
Conditions**



**Distributed Solar &
Battery Storage**

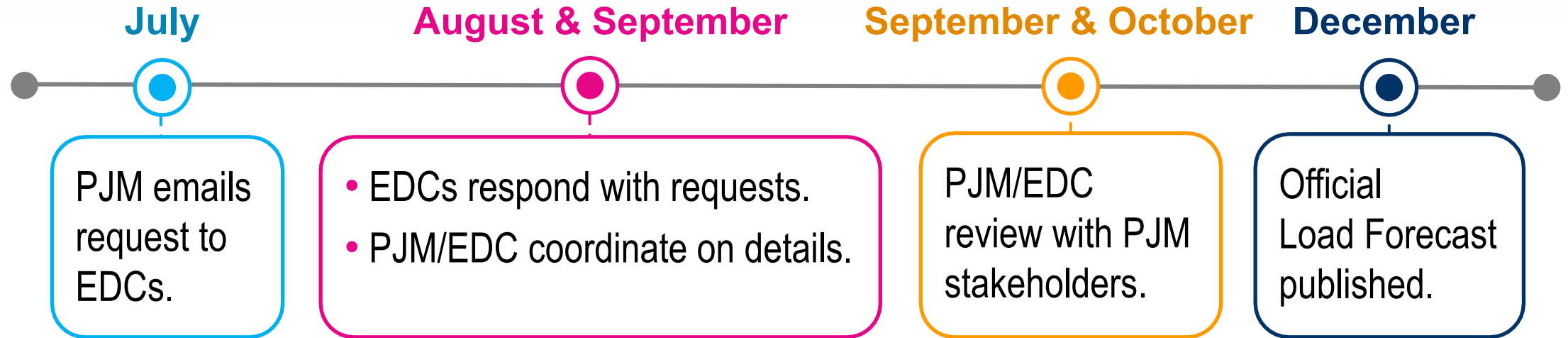
Generation

**Plug-In Electric
Vehicles**



**End-Use
Characteristics**

Electric Distribution Companies (EDCs) are encouraged to provide PJM with information about large changes that may not be captured in the forecast process.



Currently working on process changes in stakeholder process to bring more transparency



Load Forecast Report – Coincident Peaks

Table B-10
SUMMER COINCIDENT PEAK LOAD (MW) FOR
EACH PJM ZONE, LOCATIONAL DELIVERABILITY AREA AND RTO
2023 - 2038

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	2,296	2,268	2,262	2,253	2,241	2,231	2,221	2,210	2,201	2,198	2,194	2,191	2,186	2,186	2,193	2,191
BGE	6,232	6,191	6,179	6,149	6,111	6,065	6,026	5,973	5,930	5,878	5,846	5,818	5,800	5,787	5,778	5,766
DPL	3,637	3,601	3,578	3,559	3,532	3,514	3,497	3,468	3,442	3,418	3,400	3,390	3,394	3,402	3,412	3,410
JCPL	5,692	5,646	5,637	5,621	5,587	5,576	5,554	5,525	5,503	5,482	5,477	5,469	5,465	5,473	5,508	5,515
METED	2,918	2,923	2,932	2,941	2,944	2,948	2,955	2,959	2,963	2,965	2,971	2,979	2,993	3,002	3,017	3,031
PECO	8,037	8,034	8,047	8,047	8,035	8,023	8,015	7,995	7,974	7,945	7,938	7,941	7,969	7,968	7,988	8,009
PENLC	2,745	2,731	2,727	2,723	2,713	2,704	2,695	2,687	2,680	2,676	2,670	2,665	2,663	2,665	2,670	2,673
PEPCO	5,895	5,894	5,914	5,933	5,939	5,947	5,952	5,942	5,936	5,922	5,922	5,938	5,957	5,985	6,011	6,042
PL	6,881	6,878	6,899	6,914	6,909	6,905	6,906	6,907	6,907	6,908	6,916	6,918	6,939	6,956	6,987	7,014
PS	9,335	9,258	9,214	9,163	9,088	9,049	9,000	8,933	8,878	8,832	8,821	8,805	8,800	8,803	8,844	8,847
RECO	388	388	390	392	392	392	392	390	389	387	386	385	384	385	388	390
UGI	184	184	183	183	182	181	180	179	178	178	177	176	176	175	175	175
AEP	21,837	22,007	22,042	22,081	22,106	22,100	22,089	22,058	22,053	22,061	22,052	22,076	22,106	22,197	22,262	22,365
APS	8,531	8,602	8,927	9,124	9,305	9,382	9,374	9,355	9,338	9,332	9,326	9,325	9,324	9,324	9,335	9,360
ATSI	11,591	11,527	11,481	11,450	11,443	11,429	11,389	11,329	11,273	11,249	11,202	11,159	11,113	11,109	11,102	11,103
COMED	18,866	18,790	18,771	18,688	18,670	18,661	18,593	18,560	18,426	18,246	18,137	18,060	17,925	18,020	18,004	18,012
DAYTON	3,104	3,094	3,089	3,094	3,097	3,085	3,077	3,072	3,060	3,069	3,062	3,062	3,062	3,068	3,077	3,095
DEOK	5,001	4,982	4,973	4,968	4,971	4,960	4,946	4,919	4,893	4,886	4,869	4,864	4,859	4,854	4,857	4,871
DLCO	2,635	2,628	2,625	2,624	2,619	2,619	2,616	2,608	2,601	2,599	2,594	2,589	2,586	2,582	2,584	2,595
EKPC	1,919	1,927	1,936	1,944	1,956	1,966	1,972	1,976	1,980	1,988	1,994	2,004	2,012	2,024	2,033	2,047
OVEC	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
DOM	21,274	22,126	23,058	24,823	26,375	27,906	29,414	30,794	32,276	33,641	34,957	36,221	37,367	38,517	39,690	40,998
PJM RTO	149,058	149,739	150,924	152,734	154,275	155,703	156,923	157,899	158,941	159,920	160,971	162,095	163,140	164,542	165,975	167,569
PJM MID-ATLANTIC	54,240	53,996	53,962	53,878	53,673	53,535	53,393	53,168	52,981	52,789	52,718	52,675	52,726	52,787	52,971	53,063
EASTERN MID-ATLANTIC	29,385	29,195	29,128	29,035	28,875	28,785	28,679	28,521	28,387	28,262	28,216	28,181	28,198	28,217	28,333	28,362
SOUTHERN MID-ATLANTIC	12,127	12,085	12,093	12,082	12,050	12,012	11,978	11,915	11,866	11,800	11,768	11,756	11,757	11,772	11,789	11,808

Coincident peaks are key input to RPM. Starting point for determining zonal capacity obligations.



Load Forecast Report – Adjustments

Table B-9

ADJUSTMENTS ABOVE EMBEDDED TO SUMMER PEAK LOAD (MW) FOR EACH PJM ZONE AND RTO 2023 - 2038

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JCPL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
METED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PECO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEPCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PL	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
PS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RECO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AEP	90	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248
APS	1	85	409	597	785	856	856	856	856	856	856	856	856	856	856	856
ATSI	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
COMED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAYTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEOK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EKPC	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
DOM	2,068	2,988	3,926	5,678	7,196	8,690	10,160	11,586	13,016	14,426	15,717	16,878	17,962	19,030	20,124	21,310
PJM RTO	2,231	3,393	4,654	6,594	8,300	9,866	11,336	12,762	14,192	15,602	16,893	18,054	19,139	20,206	21,300	22,486

- Adjustments are presented in Report as amount above what would be considered embedded in forecast.
- Reported at a zonal level.
- Includes adjustments due to requests, NRBTMG to DR, and Peak Shaving Adjustments.
- Can be positive or negative.

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