Issues with PJM Proposal

Eliminating the hour before baseline for emergency energy settlements would remove a baseline that performs well during certain periods. There are solutions that would preserve the hour before baseline as an option without negatively impacting baseline accuracy.

According to the KEMA Study, the hour before method performs well during the summer afternoon period. (KEMA Study at 72).

Added Option

Seasonal Baseline: Allow providers to select a baseline on a seasonal basis. Specifically, retain the hour before baseline method as an option for the summer months. Allow providers to select the hour before baseline or the economic default baseline for the summer months. Require resources to use the economic default baseline in winter. This would allow the continued use of a well-performing baseline, while eliminating PJM's concerns that stem from the inaccuracy of the hour before method during the winter months. Allow alternate baseline to be selected by October 30 and April 30.

Added Option

Allow providers to select any available Economic Alternate Baseline that is evaluated as more accurate than the default economic baseline by application of the standard RMMSE screen. Achieving the scoring hurdle of 20% would not be required.

KEMA Study Tables

Table 33

Results for **Extreme Summer** Weekdays, All Sizes of Customers, For All Weather Customers, with All Loads sorted by Accuracy Median and Variability Median

Baseline	Adjustment	Accuracy 10th Pct	Accuracy Median	Accuracy Mean	Accuracy 90th Pct	Bias 10th Pct	Bias Median	Bias Mean	Bias 90th Pct	Variability 10th Pct	Variability Median	Variability Mean	Variability 90th Pct
PJM Economic	CBL Add. Adj.	0.03	0.09	0.23	0.45	(0.02)	0.01	0.05	0.10	0.03	0.08	0.22	0.43
PJM Emergency Settlement	None	0.04	0.11	0.30	0.79	(0.04)	0.03	0.14	0.44	0.03	0.09	0.24	0.58

Table 37

Results for **Summer** Weekdays, All Sizes of Customers, For All Weather Customers, with All Loads sorted by Accuracy Median and Variability Median

Baseline	Adjustment	Accuracy 10th Pct	Accuracy Median	Accuracy Mean	Accuracy 90th Pct	Bias 10th Pct	Bias Median	Bias Mean	Bias 90th Pct	Variability 10th Pct	Variability Median	Variability Mean	Variability 90th Pct
PJM Economic	CBL Add. Adj.	0.04	0.10	0.20	0.42	(0.00)	0.01	0.02	0.04	0.04	0.10	0.20	0.42
PJM Emergency Settlement	None	0.04	0.12	0.30	0.71	(0.04)	0.02	0.12	0.39	0.04	0.10	0.24	0.55

Table 41

Results for **Extreme Winter** Weekdays, All Sizes of Customers, For All Weather Customers, with All Loads sorted by Accuracy Median and Variability Median

Baseline	Adjustment	Accuracy 10th Pct	Accuracy Median	Accuracy Mean	Accuracy 90th Pct	Bias 10th Pct	Bias Median	Bias Mean	Bias 90th Pct	Variability 10th Pct	Variability Median	Variability Mean	Variability 90th Pct
PJM Economic	CBL Add. Adj.	0.03	0.10	0.23	0.41	(0.02)	0.01	0.05	0.10	0.02	0.10	0.22	0.40
PJM Emergency Settlement	None	0.05	0.18	0.27	0.59	(0.44)	(0.11)	(0.16)	0.01	0.03	0.11	0.18	0.38

Table 46

Results for **Winter** Weekdays, All Sizes of Customers, For All Weather Customers, with All Loads sorted by Accuracy Median and Variability Median

Baseline	Adjustment	Accuracy 10th Pct	Accuracy Median	Accuracy Mean	Accuracy 90th Pct	Bias 10th Pct	Bias Median	Bias Mean	Bias 90th Pct	Variability 10th Pct	Variability Median	Variability Mean	Variability 90th Pct
PJM Economic	CBL Add. Adj.	0.03	0.11	0.19	0.37	0.00	0.01	0.03	0.06	0.03	0.11	0.19	0.37
PJM Emergency Settlement	None	0.05	0.19	0.29	0.62	(0.47)	(0.12)	(0.17)	0.01	0.04	0.11	0.19	0.38