Peak Shaving Trigger Accuracy

Summer-Only Demand Response Sr. Task Force

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- This analysis is a follow-up request to previous work that calculated the number of times each zone's day-ahead forecast exceeded a percentage (90%-100%) of its summer 50/50 forecast.

- Analysis was performed on the 95% "worry point" to determine how often a day-ahead trigger was followed by an actual peak load that met or exceeded the worry point.

- Analysis was only conducted for zones for which comparable short-term and long-term forecasts were available.

- Day-ahead forecasts reflect the 10AM release for 2016 and 2017 and the noon forecast for all other years.

- PJM's current load forecast model was used for all years of the analysis.

Summers 2009-2017

Accuracy of Peak Shaving Triggered by Day-Ahead Forecast
at 95% of Seasonal Forecast

Year	Zone	Triggers	Accurate Triggers	Percent Accurate
2009-2017	AEP	50	29	58%
2009-2017	APS	70	50	71%
2009-2017	ATSI	57	36	63%
2009-2017	COMED	37	28	76%
2009-2017	DAYTON	50	35	70%
2009-2017	DEOK	27	12	44%
2009-2017	DLCO	50	38	76%
2009-2017	DOM	125	88	70%
2009-2017	MIDATL	49	35	71%