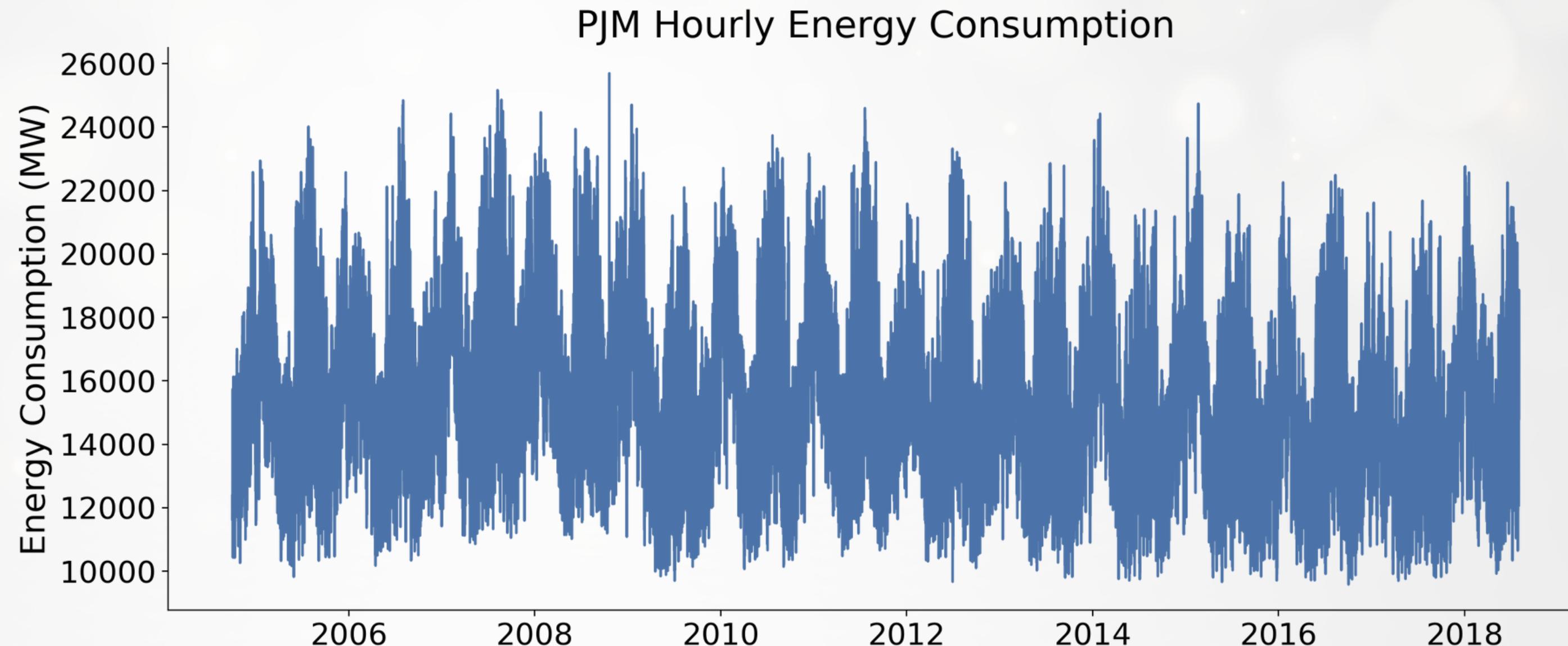


MONDAY, 23 SEP 2024

WEEKLY REPORT

ABOUT THE DATA

PJM Interconnection is a regional transmission organization (RTO) that coordinates the movement of wholesale electricity in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia.

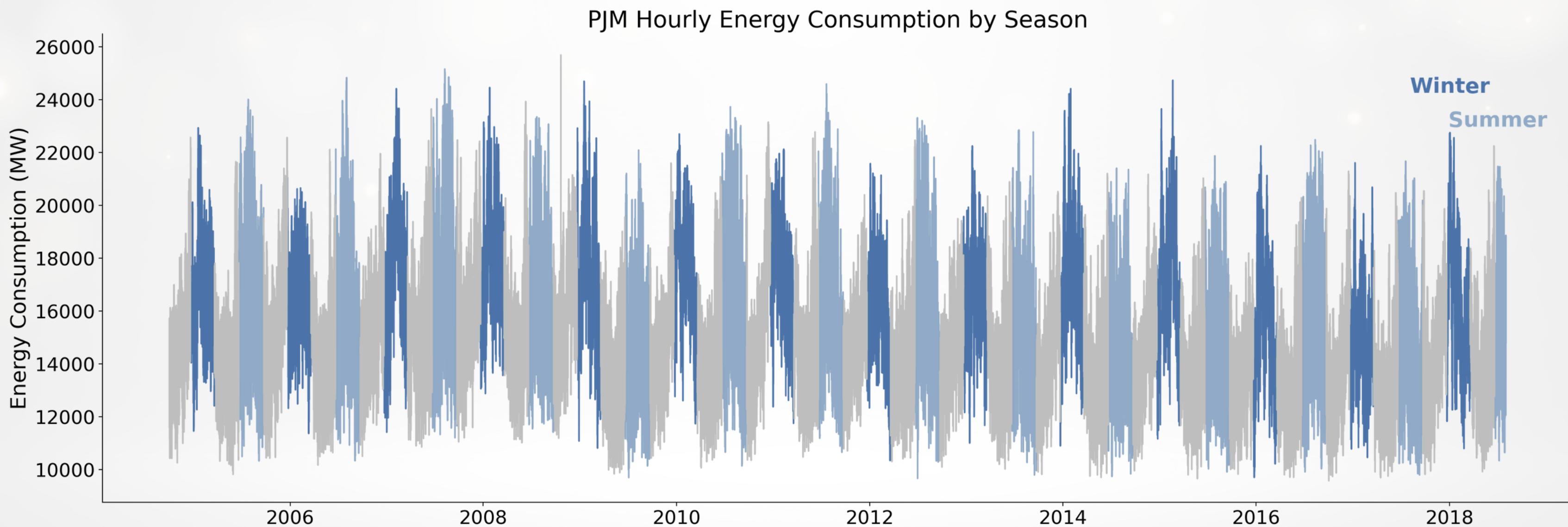


UTC: 2004-10-01 05:00
EST : 2004-10-01 01:00
WIB: 2004-10-01 12:00

UTC: 2018-08-03 04:00
EST : 2018-08-03 00:00
WIB: 2018-08-03 11:00

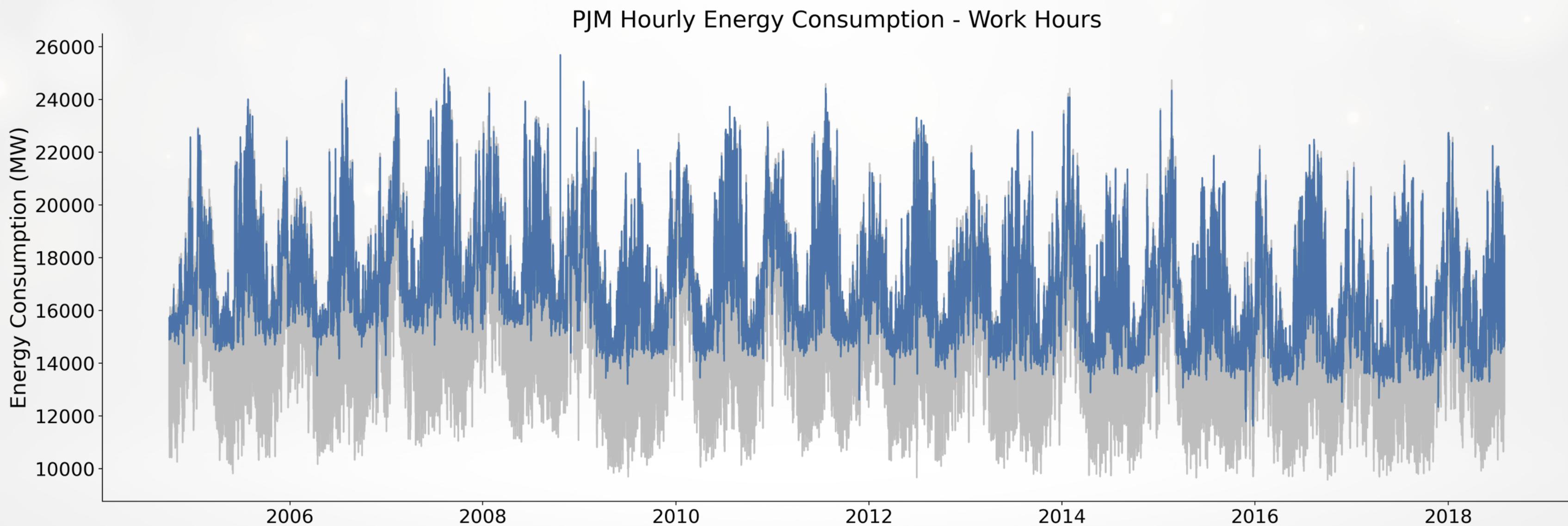
ABOUT THE DATA

The data reveals a four-season cycle: spring, summer, fall, and winter. Energy consumption reaches its highest levels in winter and summer.

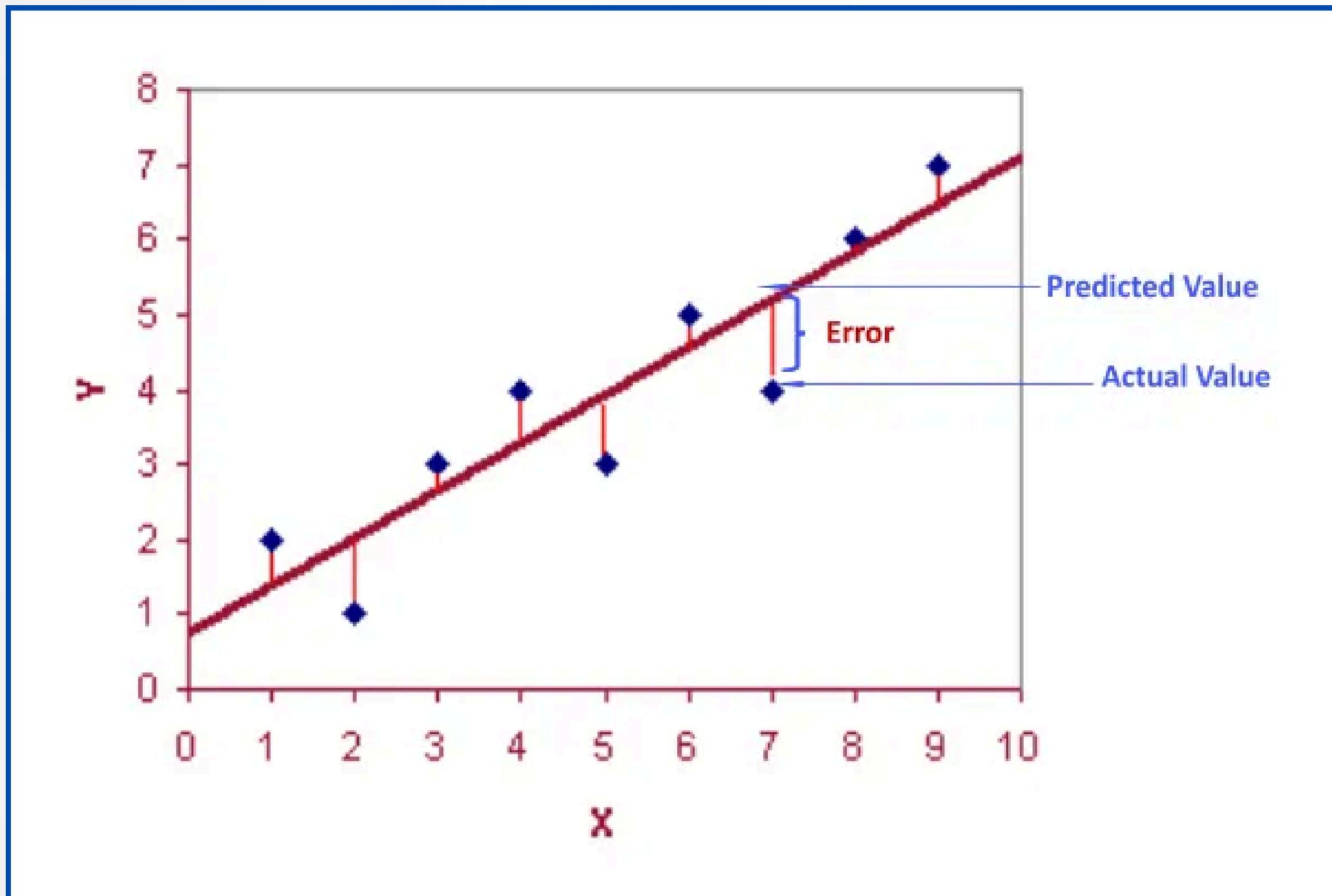


ABOUT THE DATA

The data also shows a daily pattern, as energy consumption peaks during work hours from 9 AM to 5 PM.



HOW ACCURATE ARE OUR PREDICTIONS?



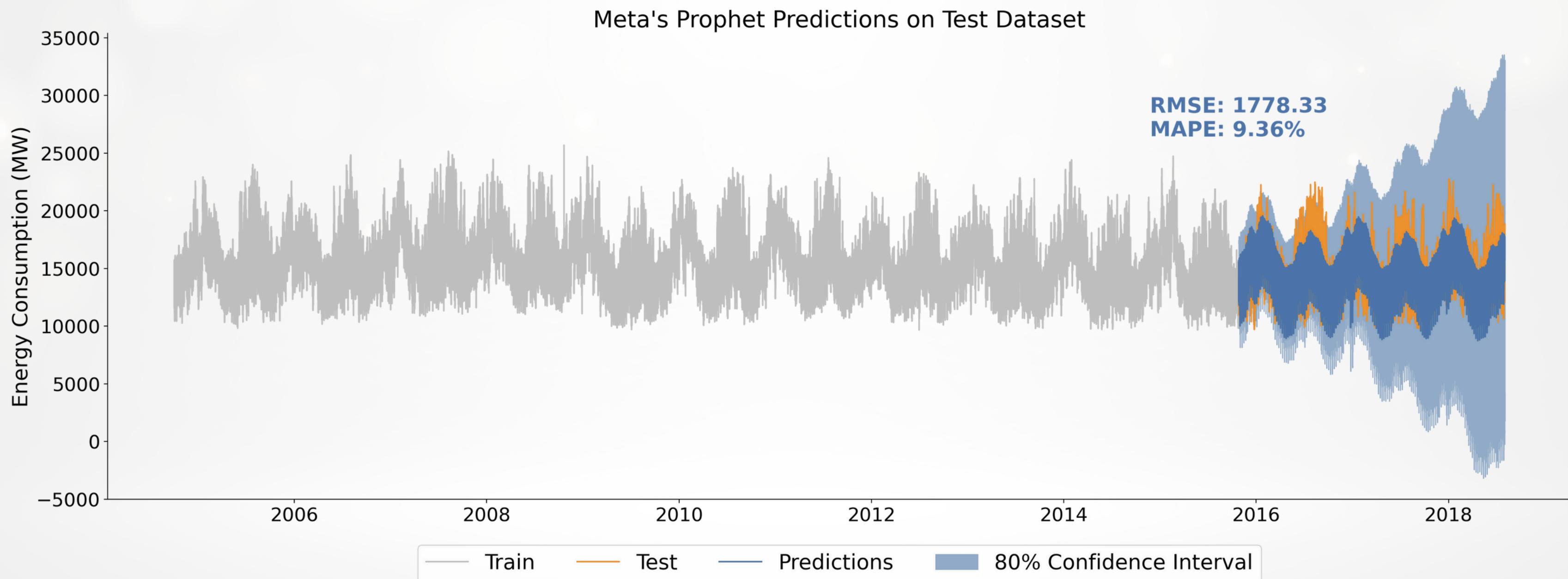
RMSE

Root Mean Squared Error

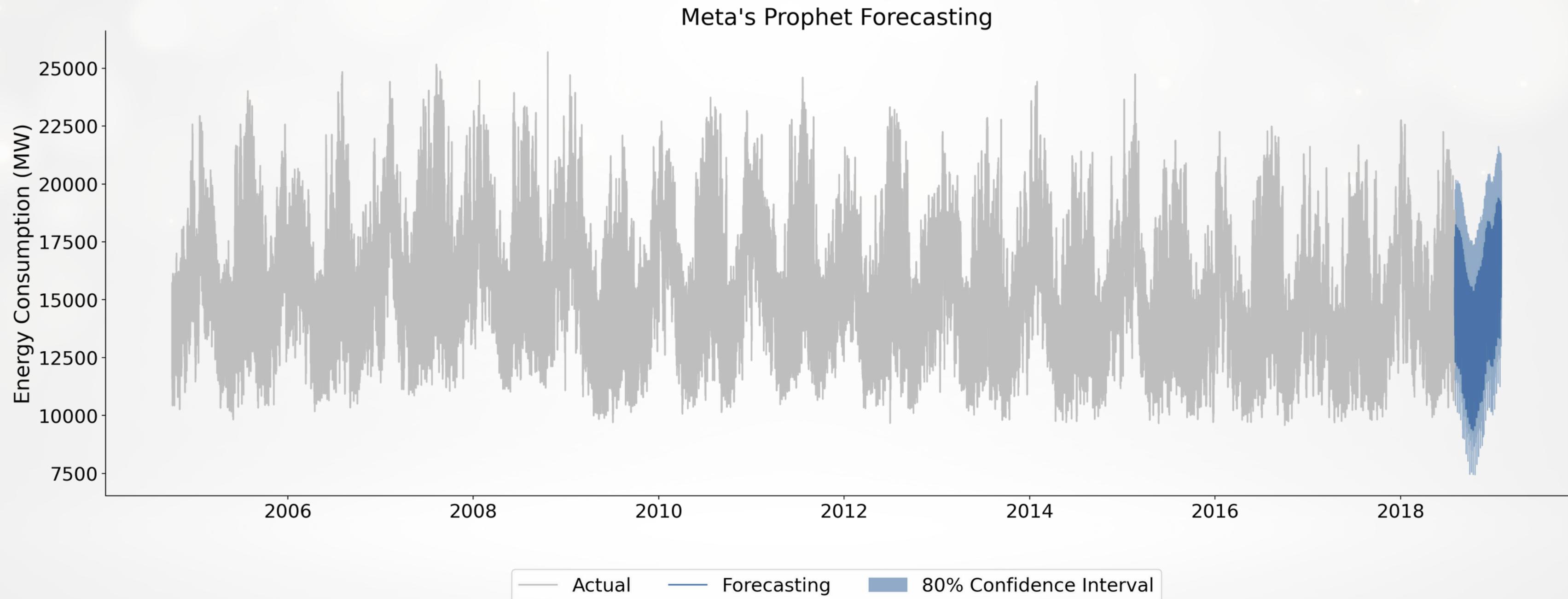
MAPE

Mean Absolute Percentage
Error

HOW ACCURATE ARE OUR PREDICTIONS?

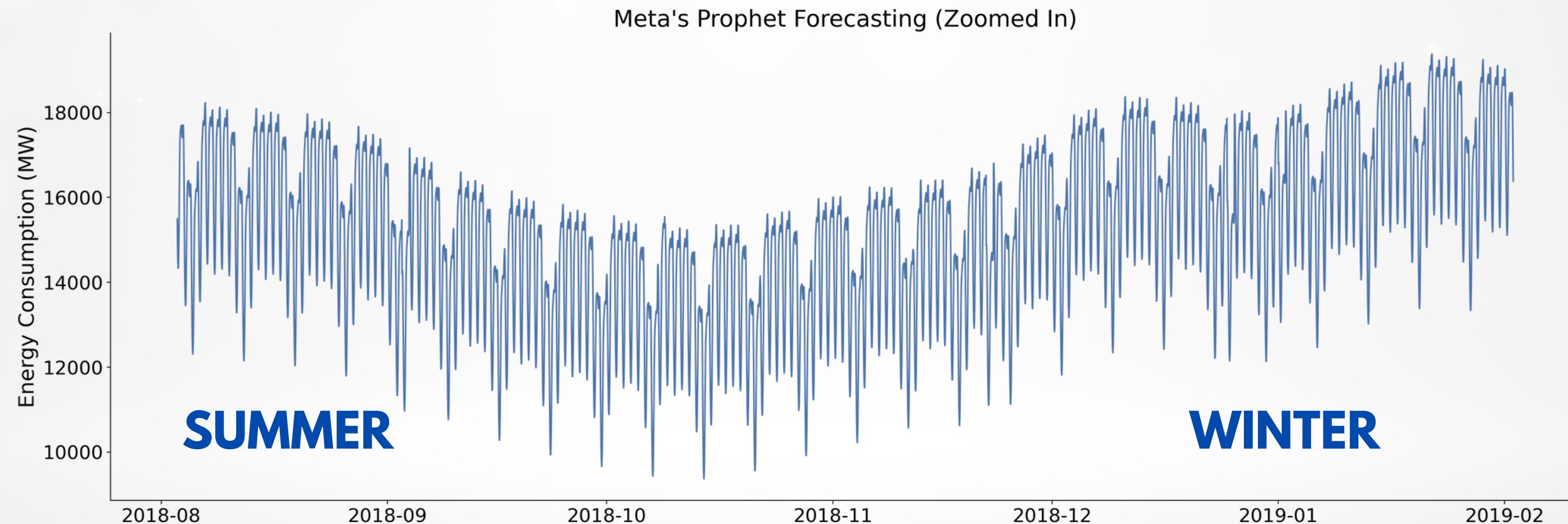


6-MONTH FORECASTING

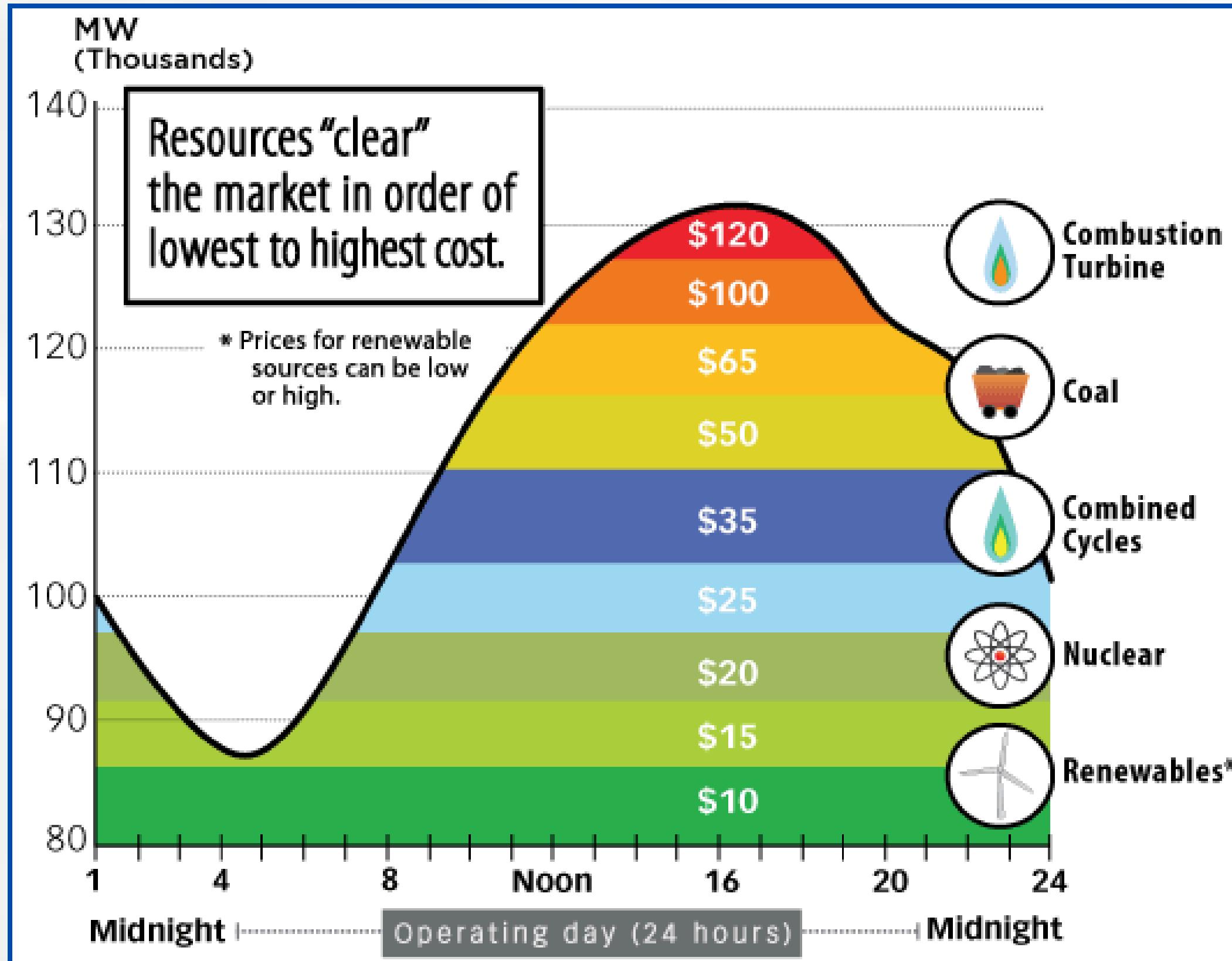


6-MONTH FORECASTING

As anticipated, our 6-month forecast indicates that energy consumption is likely to peak during the summer (around August) and winter (around December). Notably, energy consumption is expected to remain high, potentially increasing even further after December.



6-MONTH FORECASTING



The forecast will be used by PJM's Security Constrained Economic Dispatch tool, which helps operators dispatch power plants from moment to moment in the most economic order across the region, as they continuously balance the supply of electricity with the ever-changing demand.

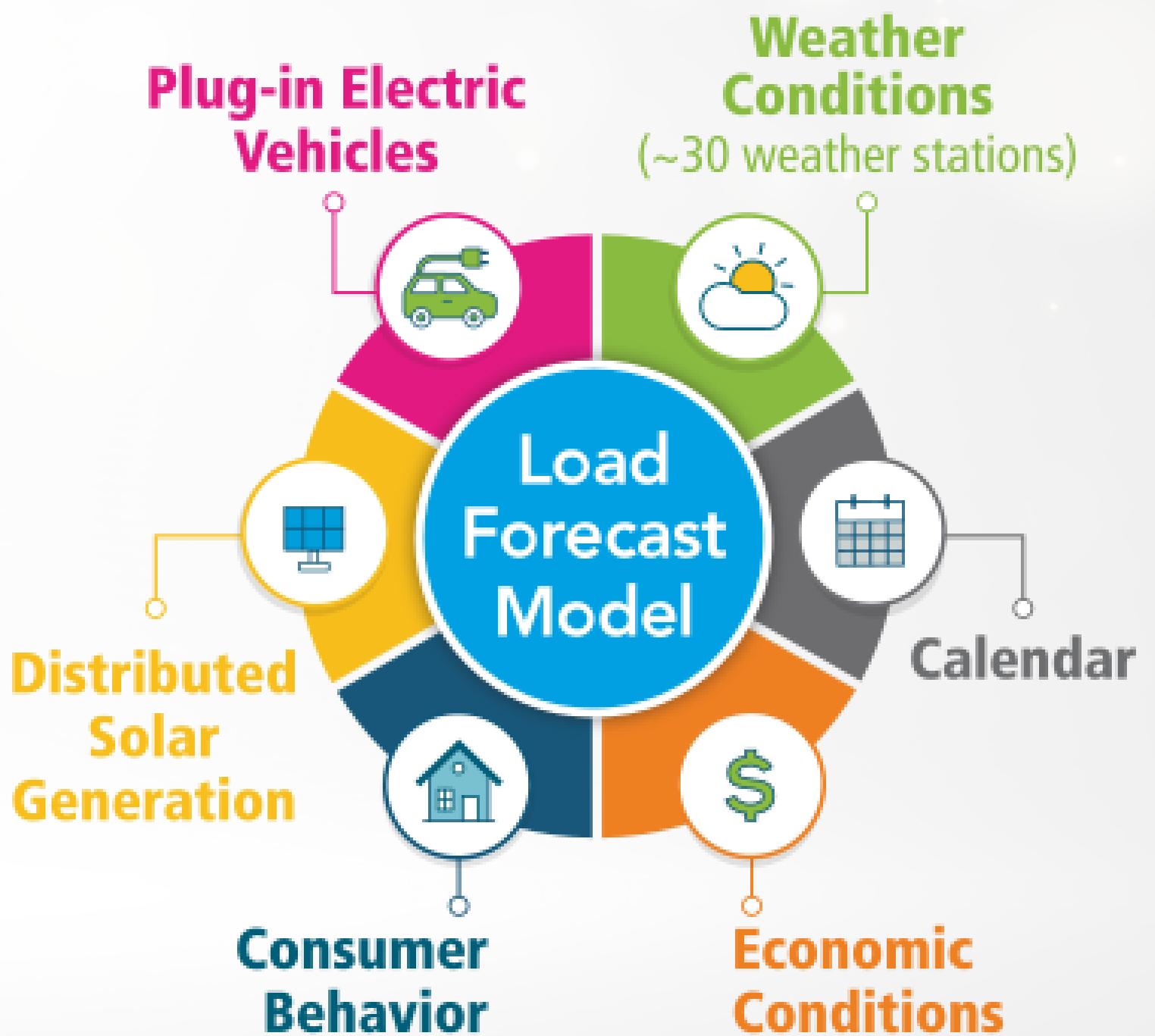
NEXT: LONG-TERM FORECASTING

To ensure an adequate supply of power for reliable service at the most reasonable cost.

To compete in power markets in the near term.

To invest in new plants and equipment over the long term

- 1
- 2
- 3





THANK YOU