

AEP ENERGY PARTNERS WITH GOSECURE TO PREDICT PEAK LOAD ON ELECTRICAL GRIDS

 **GOSECURE**

CASE STUDY

AEP ENERGY PROVIDES COST MINIMALIZATION OPPORTUNITIES TO ITS CUSTOMERS BY OFFERING CURTAILMENT STRATEGIES

BACKGROUND

AEP Energy is a certified retail energy supplier, buying bulk energy from the source and selling it directly to consumers at a competitive rate. AEP Energy serves homeowners, small businesses, and industrial customers in this manner.

Industrial customers are charged for their energy usage based on 3 factors:

- Capacity – the total amount of energy able to be delivered
- Transmission – the amount of energy that can be transferred
- Consumption – the actual energy used

Capacity and Transmissions charges can account for between 20% and 40% of a customer's annual energy bill. These two charges are set by a company's energy usage during a handful of peak hours across the entire grid. These peak hours are not known until the end of the season.

AEP Energy provides guidance to its customers on when these peak hours might occur. Customers can then choose to enact curtailment strategies, such as discharging batteries or halting production, in order to reduce energy usage during those possible peak hours, resulting in lower Capacity and Transmission charges.

SOLUTION

AEP Energy partnered with GoSecure to produce a methodology for assigning probabilities that certain days and hours are going to be a peak. This methodology utilizes the uncertainty of load predictions in past years to compute:

- The probability of an hour being a seasonal peak
- The probability of an hour being a daily maximum

This methodology was extended across multiple regional grids, with varying seasons and weather patterns.

BENEFITS

These predictions will assist both AEP Energy and its customers as they attempt to reduce electricity usage during peak hours. AEP Energy's customers can make informed decisions about their energy usage, balancing both short term business needs and long-term costs.

"Partnering with GoSecure enabled us to develop more sophisticated forecasting tools than what we had in place. We were also able to understand energy load at a more granular level. This will provide more accurate guidance for our clients and increase the value of our solutions."

—VP, Energy Services

 **GOSECURE**

LEARN MORE

www.gosecure.net

CONTACT US

www.gosecure.net/sales-contact

1-855-893-5428

ABOUT GOSECURE

GoSecure is a recognized cybersecurity leader and innovator, pioneering the integration of endpoint, network and email threat detection into a single Managed Detection and Response service. The GoSecure Titan® platform delivers predictive multi-vector detection, prevention, and response to counter modern cyber threats. GoSecure Titan MDR offers a detection to mitigation speed of less than 15 minutes, delivering rapid response and active mitigation services that directly touch the customers' network and endpoints. For over 10 years, GoSecure has been helping customers better understand their security gaps and improve their organizational risk and security maturity through MDR and Advisory Services solutions delivered by one of the most trusted and skilled teams in the industry.

To learn more, please visit: <https://www.gosecure.net>.