



Energy Management in MISO- Ameren

Rodan Energy Management in the MISO Region Serviced by the Ameren Power Company in Illinois

New Challenges Require New Strategies

On-going grid modernization and the transition to cleaner, renewable generation have increased the cost to deliver power to businesses. Delivery costs in Ameren continue to increase each year as a result of this modernization, in addition to long-range transmission upgrades and the replacement of coal with renewable generation. The charges to deliver electricity to your business comprise about a third of your monthly bill.

Value of Participation

Businesses that can curtail ≥ 1 MW during the highest peak of the month can save anywhere from **\$97k to \$100k /MW-year**.



Weighing the Options

MISO offers Demand Response (DR) programs such as Operating Reserves and Planning Resources, in which participants can earn incentive payments to reduce consumption when the grid is stressed. These programs however do not address demand charges.

Demand charges are based on a facility's consumption that coincides with the hour with the highest demand each month on the Ameren system. Reducing consumption during this hour will considerably reduce monthly electricity costs

The Rodan Difference

Our Technology



Rodan uses data analytics and advanced AI with proprietary algorithms to forecast when the grid will be strained, so that our customers know when to strategically reduce their energy consumption at the times when Ameren calculates costly demand charges on your utility bill.

Our Approach



Rodan will work with your facility to develop strategies and solutions to intelligently reduce power usage without impacting productivity so you can take full advantage of all these opportunities.

We value-stack our advanced technology and expertise with the most suitable DR programs to match your unique operational capabilities and deliver the greatest combination of savings and incentives available.

Receive Alerts so You Know When to Curtail – We Make it that Simple

How Transmission is Charged in Ameren

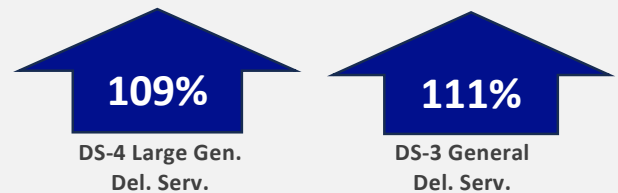
- Customers buying electricity directly from Ameren are responsible for their Transmission Charges which are passed through on their utility bill.
- Third-party electricity suppliers may bundle Transmission Charges into the energy price, which can inflate the overall cost.

Transmission Charges Continue to Increase

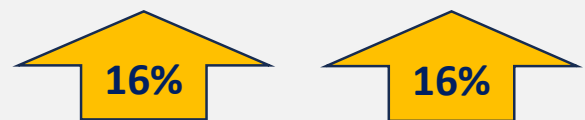
- Delivery charges for large users comprise about 30% of the total cost of electricity.
- Transmission charges comprise the largest component of delivery charges.
- These charges are based on the facility's usage that coincides with highest monthly peak demand on the grid. This is less than 1% of annual facility consumption.

Average Cost Comparison (2018 – 2024)

Increase in Transmission Charges from 2018



Average Annual Change/Year



Did You Know?

Reducing 1% of Annual Energy Consumption Can Reduce 30% of Your Electricity Bill

Forecasting Accuracy with Rodan's Peak Notification System

- Forecast updated hourly versus daily from the ISO.
- 24/7 Network Operations Center & system monitoring
- Live energy experts



Flexible Notification Preferences

Customized to your preferences (email/text/phone)



Phone



SMS



Mail