

## Case Study: On-Site Generation Asset Optimization Reduces Costs

### OPPORTUNITY

An Ivy League university had an underutilized generator that could be optimized to reduce the capacity and energy components of its retail electric bill.

### SOLUTION

This university's annual electric capacity charges and hourly energy prices are determined by an Independent System Operator (ISO) and assessed as a pass-through by the local utility.



Fellon-McCord forecasted the ISO's peak demand days and analyzed generation run/no-run scenarios to identify capacity curtailment opportunities. In addition, our 24/7 energy desk identified opportunities to generate power at a cost below the hourly energy market price.

These actions enabled the university to reduce its annual electric capacity charge and mitigate spot market volatility and price exposure on an hourly basis.

### RESULTS

Fellon-McCord's dispatch recommendations for the generator enabled the university to reduce its annual capacity charge by \$759,600, or 78 percent, without the need to enroll in a formal demand response program.

In addition, we identified 10 days of opportunity where the university started its generator and saved \$43,096 compared with the hourly spot market energy charges they would have otherwise incurred.

### CONCLUSION

Fellon-McCord's active participation in the wholesale power market enabled us to create a customized solution that reduced electricity costs and price volatility for a prominent Ivy League university client.