

### Will Demand Response Work for You?

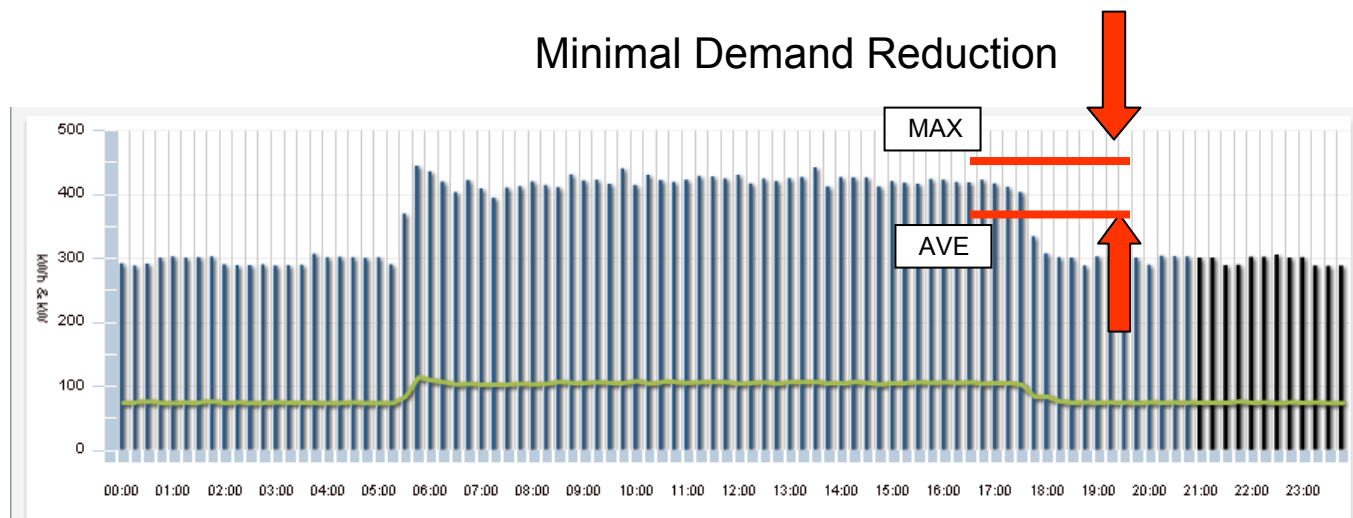
#### Case

The load-use profile for the facility was obtained using intelligent monitoring. The demand factor ( $D_{max}/D_{ave}$ ) was calculated to be 1.12. With such a low demand factor very little could be done to reduce demand since the facility was already operating close to minimum demand. The facility was also unable secure any significant benefit from local demand response programs short of a partial or complete shutdown. In fact, there was very little to be gained from typical load management strategies.

#### Lesson

Energy managers should be putting effort towards energy efficiency projects. Specifically, on equipment that operates 24 hrs per day like some lighting, cooling or 24 hr processes. In this situation with low demand factor, there is nearly a 1 to 1 relationship between energy reduction and cost reduction. As overall energy usage drops, the demand will drop proportionately and along with it demand charges.

Maximize energy efficiency on 24 hr equipment and pass on demand response when demand factor is close to 1.0.



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