

WOW Children's Museum

Lafayette, CO

Background Story:

Brayden Automation was contacted in October 2010 by WOW! Children's Museum in Lafayette Colorado, about high bill concerns related to the demand charge on their electric bill. After they contacted Xcel Energy about the issue, Xcel referred them to the specialists at Brayden Automation Corp (BAC). Bill Brayden took lead on the issue and helped pinpoint the exact factors creating high demand charges for WOW!.

Most of WOW's demand issues were due to large air conditioning loads operating simultaneously. This was causing large peaks and valleys in electric use, which in turn reduced efficiency and created high peak demand spikes.

Once Bill Brayden completed the WOW! site evaluation, it was clear that a simple fix to their demand troubles would be the installation of a 9388B Energy Sentry demand control system to manage their five A/C units and an electric dryer. WireLynx powerline carriers and EnergyAccess software were also utilized to aid in installation and monitor energy consumption, as well as a PV Solar Array owned by WOW!, to assist in keeping demand low during coincident peak periods.

WOW! was kept below 25KW allowing them to move from the SG Rate to the more cost effective C Rate in November of 2011. WOW! anticipates their yearly savings to be around \$2,600.



Client Comments:

"Brayden and Associates were a delight to work with. Bill spent all the time we needed to get comfortable with the idea of getting a demand control system and has helped us understand its working since it's been installed. It is performing beyond our expectations. We especially like the ability to monitor the system remotely using the EnergyAccess software."

Bill Cameron
WOW! Children's Museum

