

Pinpointing Savings With Data

- Customer Engagement Portal



CASE STUDY

Indoor Sports Facility

MISSING EASY SAVINGS ❖❖-

After struggling to understand consecutive months of high electricity bills, the facility engineer for a large indoor sports facility and community center went to their local utilities website for help. There they discovered a white-labeled version of the Agentis Customer Engagement Portal. The facility engineer compared their recent energy usage against the previous years' data on the Agentis "Energy Data" dashboard and decided to schedule an on-site energy audit with a utility engineer to see if they could help identify ways to save. The facility engineer and utility account manager conducted a walk-through of the facility to note the equipment and then used the Agentis Customer Engagement Portal to manipulate energy data and model different possibilities. Eventually, the utility account manager was able to make three simple recommendations that yielded **~\$40K in annual energy savings at no capital cost to the customer.**

FINDING SLAM DUNK RESULTS ❖❖-



ENERGY-SAVING IMPROVEMENTS

- Air Handler Adjustments
- Light Dimming
- Setback Temperature Reduction



DIGITAL TOOLS USED

- Usage and Demand Visualization
- Average Daily Profile
- Demand Heatmap



ESTIMATED SAVINGS

- 400,000 kWh / year
- ~\$40,000 / year



TOTAL PROJECT COST

- \$0 Capital Investment
- ~10 Hours of Time

THE CUSTOMER ::-

As a community non-profit, the facility had a tight budget and a mandate to maximize every dollar spent. Finding no-cost options to save money was a priority from the start.

The community center is a ~135,000-square-foot sports and recreation facility located in the upper Midwest that hosts year-round indoor sports leagues and events and contains classrooms and offices. The facility includes three hardwood courts, three artificial turf fields, four pitching cages, a public computer lab, offices, and a concession stand. The building has an average daily use of ~5,700 kWh and ~\$400 of average daily spend. Its most expensive time is 9am–12pm on Sundays. The courts have ~125 LED fixtures with dimming capability, and there are two large air handling units with 60hp fans and variable speed controls.

THE RECOMMENDATIONS ::-

The utility account manager leveraged Agentis data visualization tools to help pinpoint and communicate savings.

To highlight potential sources of excess energy use at the community center, the utility account manager reviewed the center's energy data. Utilizing the charts and visuals in the Agentis platform, she noticed a substantial drop in energy usage on a few days in particular. Upon visiting the community center and meeting with the building management, it became clear that the drop was due to an air handler brought offline for maintenance. Upon further investigation, the two building air handlers were found to be oversized, so running only one at a time was more than sufficient to heat and cool the building. Furthermore, the account manager recommended changing the setback temperature to a more energy efficient level and dimming bay lights that were unnecessarily bright.



400,000

kWh/Year

ELECTRIC SAVINGS

The facility was able to reduce its electric usage substantially without making an impact on its daily operations.



\$0

COST TO IMPLEMENT

With three no-cost measures [(1) improving VSD controls, (2) dimming EM Lighting, and (3) dimming the rest of the high bay lighting], the facility achieved significant savings.

"I don't know how someone could manage a big facility without a tool like this."

Facilities Director

Tools For Engaging Your Business Customers

Energy providers rely on the Agentis SaaS platform to provide a state-of-the-art digital experience to their business customers. Agentis technology leverages utility data to create a connected energy management system that positions the utility as a trusted advisor to the businesses they serve. Through Agentis, business customers gain access to insights around their energy usage, as well as personalized suggestions for energy products and services relevant to their business.

KEY LEARNINGS ::-

There are potentially thousands of businesses in your service territory that are using more energy than necessary. How will you help them save?



Digital energy platforms help customers spot trends and take action when their bill is higher than it should be.



Utility staff can use energy analytics to better identify problems and better communicate solutions.

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