

The Catholic Archdiocese of Newark

Noveda Building Optimization Services Leverages EnergyFlow Monitor™ Data to Reduce Energy Bill for the Archdiocese of Newark



Screenshot of energy use at the Archdiocese

Goal:

- Identify and Implement Opportunities to Reduce Annual Energy Spend of nearly \$300K

Noveda Solution:

- EnergyFlow Monitor™ to monitor energy use in real-time
- Building Optimization Services to identify and implement opportunities to reduce energy usage

Results:

- First month energy savings of 26% over baseline despite colder temperatures (18% increase in heating degree days)
- 12% annual energy reduction

The Archdiocese of Newark is located in a 95,000 square foot office building in Newark, NJ. Noveda was brought in to identify and implement opportunities to reduce annual energy usage. After installing the EnergyFlow Monitor™ to monitor energy use in real-time, Noveda Building Optimization Services engineers implemented several measures in January 2010 to improve functioning of building equipment and systems. The energy savings from these initiatives were measured and verified with the EnergyFlow Monitor™.

In less than five weeks, Noveda engineers were able to reduce energy costs by 26% for the month of February, despite an 18% increase in heating degree days (HDD). Over the last nine months,

the overall energy usage has been reduced by 12% over the baseline.

The “quick wins” identified and implemented by Noveda Building Optimization Services engineers include:

- Modifying the runtime schedules for the rooftop air conditioning unit and indoor air-handling units,
- Optimizing the outside air dampers that control the amount of fresh air introduced into the building, and
- Lowering the night time thermostat settings when there was zero occupancy in the building.

In addition, the engineers also identified the potential for an additional savings of 146,000 kWh a year, by reducing lighting related energy expenditures.

Request a Free Demo

To find out how we can help your organization improve building performance and reduce energy costs, email us at sales@noveda.com and request a free demo today.

Real Benefits. In Real-Time