

# **Improving Energy Efficiency Results through Facility-wide Baselines**

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## **Introduction**

Numerous programs from utilities, government agencies and corporate offices utilize facility-wide baselines from which to measure energy improvements. Unfortunately, the requirements of the various programs do not follow shared practices in establishing baselines. The result is baselines that do not reflect the needs of the facility but instead are focused on the programs requirements. In addition, the lack of standard practices for facility-wide baselines has slowed the development of effective energy management software. Finally, the lack of common practices has inhibited expansion of utility and government programs that address facility-wide solutions.

Having standard practices for facility baselines will enable Program Managers to deploy more solutions that address facility-wide approaches, such as Strategic Energy Management and the ISO 50001 standard for Energy Management Systems. From an evaluation perspective, standard practices will enable Evaluators to know if an individual facility is following sound practices to enable measurement of results.

## **Approach and Research Conducted**

The Northwest Energy Efficiency Alliance (NEEA) and Global Energy Partners began a paper that addresses industrial facility baselines. The first task was to document best practices for facility-wide baselines. This effort began with documentation of the Monitoring and Targeting (M&T) approach used in the United Kingdom and Canada as well as by Northwest US utilities. From this, the group conducted a domestic review process of the baseline approach with experts from industrial manufacturers, utilities and government agencies. The refined baseline approach was then reviewed with international experts from nine countries. This effort aligns to and supports the development of baseline standards that will build upon the ISO 50001 Standard.

## **Results and Implications**

In this poster, we will present the process we used to develop the initial approach to facility-wide baseline development and the process to refine this with domestic and international experts. In addition, we will discuss potential next steps for expanded development and usage of the approach by utilities and government agencies.