

DATE:

PROPOSAL NUMBER:

REFERENCE:

Most wastewater treatment plants can realize energy savings of 20% or more by tailoring operations to demand. Considering that plant air costs account for roughly 60% of the operating budget, a plant energy audit can enable substantial cost savings.

Hoffman & Lamson offers a systematic energy audit that identifies opportunities to reduce plant energy expenditure and operating cost. Hoffman & Lamson will conduct an energy survey and provide the analysis critical in uncovering inefficiencies related to blower design and operation that contribute to higher overall operating costs.

Energy consumption data can identify when and how energy is being used, allowing operators to align processes and operation schedules with demand; improving overall efficiency and minimizing the amount of energy used in periods of lower activity.

Analyzing performance and energy usage data can help identify minor issues or areas of concern with equipment, giving operators the chance to resolve them before they become bigger problems that could result in unplanned maintenance or downtime; further impacting a plants bottom line.

ENERGY AUDIT BENEFITS

- Enable Ongoing Cost Savings
- Uncover Hidden Issues
- Reduce the Risk of Unplanned Disruptions
- Minimize Environmental Impact
- Minimize Energy Usage
- Collect Aeration D.O. Trending
- Collect Blower power usage
- Collect Blower header pressure and temperature
- Collect Influent flow rate
- Create Blower speed / flow curves.



DJ Gongol & Associates, Inc.

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THE AUDIT PROCESS

1. Scheduling

HOFFMAN & LAMSON™ Certified service personnel will work with you to schedule an audit at a convenient time. Prior to the audit we will contact you to confirm important details relating to the audit, such as:

- The number, age, and make of your blowers
- The age and type of controls in use
- Some basic energy usage statistics

2. Data Collection

A HOFFMAN & LAMSON Certified technician will arrive at your plant and, without interrupting operations, install monitoring equipment on your wastewater treatment system for a predetermined period. At the end of the monitoring period, our technician will return to collect the equipment and download the data captured.

3. Data Analysis

Our expert engineering team will then perform a detailed data analysis of your wastewater treatment system, focusing on areas where energy savings and efficiency improvements can be made. Our engineers will develop a comprehensive plant energy usage profile, analyzing a range of parameters including treatment processes, capacity, and current electrical rates. Engineers will also take into account equipment age, location, and condition to get a detailed view of your system's energy usage.

4. Report

A detailed report providing critical insight into the operation and energy usage of your wastewater treatment system will be provided. The report will identify and provide recommendations where energy savings or efficiency optimizations can be made, helping to maximize energy savings and equipment efficiency.

AUDIT COST

\$3,995



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