



ASHRAE LEVEL 1 AUDIT

Utility and Energy Consumption Analysis:

1. Examine utility data, building or system diagrams, equipment lists, and other facility information.
2. Review how energy is consumed in the building.
3. Identifying trends in energy usage and making a correlation with factors such as weather, schedules and production.

Brief Site Inspection:

1. Walk through assessment – to review equipment and processes.
2. General view of potential capital improvements
3. During the onsite assessment the energy engineer will meet with key operations and maintenance staff to learn how the building operates and discuss any current concerns or issues with the facility.
4. Inspect the following parameters:
 1. Construction details of the building envelope (e.g. walls, roof, windows, doors and related insulation values
 2. An inventory of the heating and cooling systems (HVAC) capacities and rated efficiency
 3. Manual, or automated HVAC control methods
 4. Interior and exterior lighting systems and related controls
 5. Service hot water systems

Energy & Financial Calculations:

1. Based on the proposed measures above – we will provide you with an excel spreadsheet. The spreadsheet will describe the following parameters:
2. Energy Savings for each measure – kWh, Therms
3. Demand Savings for each measure – KW
4. Cost of the measure proposed
5. Simple payback
6. ROI (return on Investment)
7. Operations and maintenance savings

The simple payback will be “weighed” base on priority, cost or whichever “weight” you think is appropriate