
Learning Activity #1 Developing Your Baseline & Goals

Instructor Directions:

Explain the exercise to the students and break the class into groups, ideally 4-5 students per group. Ask the students to read the scenario and complete all three steps in their groups. Each group should designate a spokesperson to share out when the class gets back together.

Estimated time for students in group: 20-25 minutes

Overall estimated time for activity: 45 minutes

Participant Directions

Read the scenario and follow the steps.

You are the Regional Facility Manager for a paper supply company in Scranton, Pennsylvania. You have office buildings under your responsibility that you maintain in Pennsylvania, New York, and Connecticut. You have support facilities management staff in each building. The organization's capital plan requires 40 percent of the facility's buildings to be energy-efficient as proven by Energy Star scores of 75 or higher. Currently only 30 percent of the buildings in your region have a score of 75 or higher. Corporate social responsibility is a core driver for the organization, and the organization would like to increase renewable energy production and improve community. Budgets are tight and facilities management budgets have been cut each year for the past two years.

Step 1. Determine Your Baseline

What are the steps you would take for the buildings in your region to determine your energy baseline?

1. Gather utility bills and building information (square footage, type of energy, etc.)
2. Calculate annual energy consumption data
3. Calculate the EUI

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Step 2. Develop energy efficiency goals for your facilities

What are your long-term goals:

Based on the energy efficiency goals your organization has, what energy efficiency and sustainability goals are appropriate for your facility? Remember the SMART principles when developing your goals. Consider greenhouse gas emissions, water, or other sustainability goals in addition to energy efficiency.

1. Obtain ENERGY STAR certification for 40% of our buildings in 5 years.

2. _____

What are your short-term goals?

Identify goals that you think you can accomplish in one year that align with your energy and sustainability goals.

1. Increase the ENERGY STAR scores in our buildings by 10% each year.

2. Decrease energy consumption by 10% each year.

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Step 3. Identify a metric for at least one of your goals

Goal	Metric
Increase ENERGY STAR scores by 10% annually	ENERGY STAR score
Decrease energy consumption by 10% each year.	Energy consumption (KBTU/sf)