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Net Zero Carbon

A facility is net zero carbon when the following is true:

$$\text{BTUc} - \text{BTUsr} - \text{BTUor} = 0$$

Where:

- **BTUc:** British thermal units of energy consumed by the facility in one year. This energy includes electric, natural gas, and propane.
- **BTUsr:** British thermal units of renewable energy produced on site in one year. Typically, this will be electric energy from photovoltaics (PV).
- **BTUor:** British thermal units of renewable energy purchased for the year including the renewable energy provided through the electric utility grid. Typically, this will be electric energy from wind farms and hydroelectric dams.

According to the United Nations, global warming (also called climate change) has become a leading crisis for civilization and most of this warming can be attributed to the carbon dioxide generated from our burning of fossil fuels. Global warming leads to more powerful hurricanes, wildfires, floods, droughts, crop failures, species extinctions, and to the spread of disease. Many governments and private agencies seek to become carbon neutral in the next decade to help mitigate the effects of global warming. We can evaluate your facility's use of fossil fuels and develop a roadmap for reducing your carbon footprint including a thorough analysis of the costs involved at each step on your journey to carbon neutrality.