

Title: Site Energy Overview

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What is site energy?

You're probably already familiar with site energy, which is the amount of heat and electricity consumed by a building as reflected in your utility bills. Looking at site energy can help you understand how the energy use for an individual building has changed over time.

Why is site energy important?

Looking at site energy can help you understand how the energy use for an individual building has changed over time. Site energy may be delivered to a building in one of two forms: primary or secondary energy. Primary energy is the raw fuel that is burned to create heat and electricity, such as natural gas or fuel oil used in onsite generation.

What is a site energy measurement?

For buildings that purchase raw fuel (such as natural gas) and convert it to power on-site, a site energy measurement would account for the losses that occur during this conversion, because site energy is based on the fuel that is purchased.

How is site energy delivered to a facility?

Site energy may be delivered to a facility in one of two forms. Primary energy is the raw fuel that is burned to create heat and electricity, such as natural gas or fuel oil. Secondary energy is the energy product created from a raw fuel, such as electricity purchased from the grid or heat received from a district steam system.

Site Energy is the combination of primary and secondary energy that you buy directly for use at your building. It is calculated in Portfolio Manager by converting each of your fuels into kBtu, ...

The amount of energy that enters a residential or commercial building. Includes the primary energy (natural gas, petroleum products, and renewable energy) and the electricity used in the building.

The academic and expert-level definition of Site Energy moves beyond the utility bill and is formalized as the energy content of all fuel and electricity delivered to a building, precisely ...

Site energy refers to the amount of energy metered at the point of use (e.g. consumed by a building). Site energy may refer to both primary energy (natural gas or fuel consumed on site) and secondary ...

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We're developing space solar energy to meet Earth's pressing energy challenges: growing demand, strained grids, and unreliable renewable production. Our technology solves all three, without needing ...

In the figure below, both pathways are illustrated to highlight the difference in energy required for an onsite boiler fueled by natural gas for primary energy, versus electricity produced from natural gas for ...

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