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Title: Site Energy Introduction

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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.

What is the difference between source energy and site energy?

Source energy is the amount of primary energy consumed in supplying secondary energy to a building. The power generation, transmission, and delivery of source energy to the site results in losses. As a result, source energy is nearly always less efficient than site energy.

The difference between site and source energy is a vital concept to understand when looking at the energy performance of ...

source Energy. This complete technical document provides detail on the distinction between site and source energy and the value of performing source energ.

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Site energy is the energy which is consumed at the final destination of the power generation cycle, and to simplify, is the amount of energy shown on a utility bill. It is the power ...

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) ...

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The difference between site and source energy is a vital concept to understand when looking at the energy performance of buildings--failing to account for the difference will ...

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 ...

Site energy is the measure generally familiar to the design profession. It is the amount of energy consumed by a building and is reflected in utility bills paid by the building owner.

Site energy refers to the total amount of energy consumed at a specific location, such as a building, facility, or campus. This includes the energy used to power the lights, heating and ...

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Academically, Site Energy is the standardized, boundary-defined operational energy metric, essential for building code compliance but inherently limited by its exclusion of ...

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