

Site Energy Introduction





Overview

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. 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.

What is the difference between site energy and source energy?

Source energy is a measure that accounts for the energy consumed on site in addition to the energy consumed during generation and transmission in supplying the energy to your site. Source energy is much more important than site energy if the concern is environmental performance. Site energy is useful because it can be unambiguously measured.

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 source energy?

The EPA's definition is: Source energy is a measure that accounts for the energy consumed on site in addition to the energy consumed during generation and transmission in supplying the energy to your site. Source energy is much more important than site energy if the concern is environmental performance.



Site Energy Introduction

Glossary

Site energy: A building-specific term. The amount of energy that enters a residential or commercial building. Includes the primary energy (natural gas, petroleum products, and ...

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Site and source energy

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The Difference Between Source and Site Energy

After you've benchmarked your building, you'll see several performance metrics, including source and site EUI (or energy use intensity). What's ...

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Let's cut through the jargon jungle. When we talk about site energy, we're essentially discussing the total energy consumed right where it's used - think of it as the "home cooking" version of ...



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