

Basic functions of site energy





Overview

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 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.

What is energy use?

This includes the energy used to extract, produce, and deliver the fuel sources, such as coal, natural gas, or renewable sources like solar and wind energy. It also includes the energy used in the transmission and distribution of the energy to the site location.



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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 the difference? And which is used for the 1 - 100 ...

Energy Basics

Energy Basics gives a broad overview of energy sources, systems, transformations, and storage. It provides basics on renewable flows like solar, wind, and hydro and fuels (fossil fuels, ...



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 ...

Energy Basics

3 days ago · Our Lecture on Energy Basics This is our Stanford University Understand Energy course lecture that introduces the topic of energy, including key energy terms and basic ...



Site and source energy

4 days ago · Source energy, on the other hand, refers to the total amount of primary energy required to generate and deliver the site energy to the location. This includes the energy used ...

[18-Source-Versus-SiteEnergy-Infographic_FIN](#)

Feb 2, 2024 · SOURCE VS. SITE ENERGY SOLUTIONS When discussing energy efficiency, decarbonization, and greenhouse gas accounting, the terms source energy and site energy ...



Energy Site Management

The energy required for basic function of the envelope and its production on site is subject to a separate study and it would not be included in the ...



Site Energy -> Term

Oct 19, 2025 · It is the physical footprint you make daily -> a measure of how much energy is needed to maintain the comfort and function of your personal shelter. Site Energy is the ...

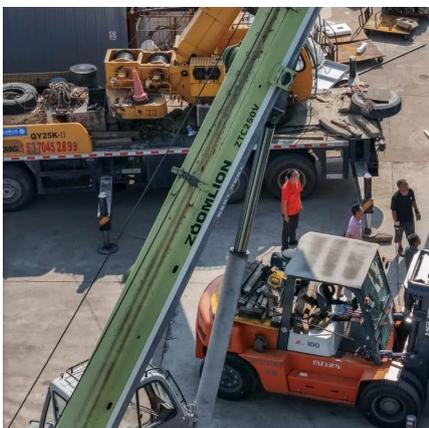


[BSD-151: Understanding Primary/Source and Site Energy](#)

Jul 10, 2010 · 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 ...

Energy Site Management

The energy required for basic function of the envelope and its production on site is subject to a separate study and it would not be included in the calculation because the necessary energy ...



[Demystifying Site Energy: The Hidden Power Source in Your ...](#)

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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