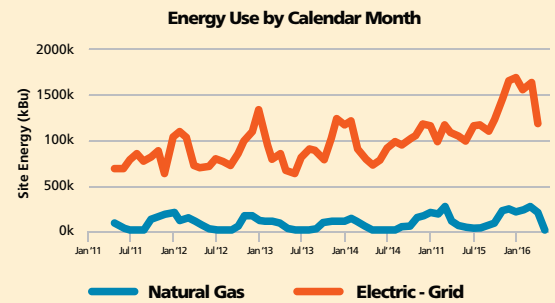




SMART BUILDINGS CENTER

A project of NEEC

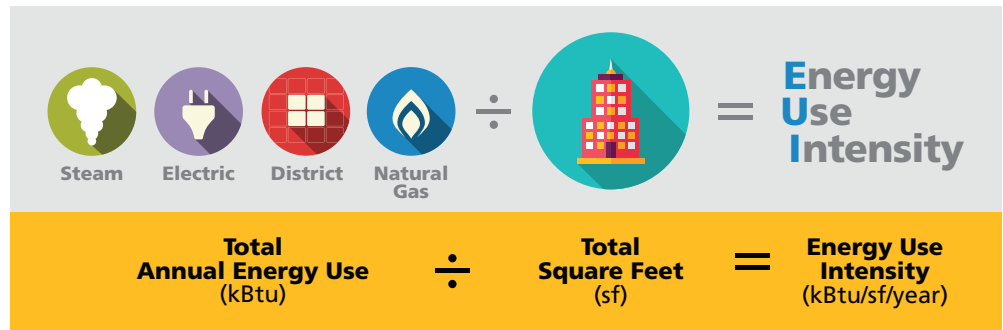


What is Energy Benchmarking?

Energy Benchmarking is the process of measuring and tracking a building's energy use over time. By using certain building characteristics along with monthly consumption data, owners and occupants can begin to understand how their building is performing on an operational level compared to similar buildings in their community and around the country. The free web based tool from U.S. EPA's ENERGY STAR Portfolio Manager is the widely accepted standard for benchmarking.

Energy Use Index (EUI):

All building types are able to receive an EUI. When the building square footage and energy use information are entered into Energy Star's Portfolio Manager, an EUI is produced. The EUI is a measure of the building's energy intensity. You can think of the EUI number similar to a miles per gallon rating for your building.



ENERGY STAR Score (1-100):

Some property types such as office, hotel, retail or hospital can receive an Energy Star 1-100 Score. Currently, there are 21 property types that are eligible to receive an Energy Star Score. The score allows you to compare your property to other similar properties with 1 being among the lowest performers and 100 being among the highest performers in terms of energy efficiency

Energy Star Score (1-100)

Current Score: 84

Baseline Score: 79

Compare Your Building!

2014 Energy Performance Ranges for Seattle Buildings by Building Type

Type of Building	2014 Annual Energy Use Intensity (Site EUI in kBtu/sf)					Number of Buildings	Year Built (median)	Size (median sf)	EPA ENERGY STAR (median) ¹
	Median	Lowest Use (1st Quartile)	Medium-Low (2nd Quartile)	Medium-High (3rd Quartile)	Highest Use (4th Quartile)				
Small- to Mid-size Office ¹	54.9	≤38	39-55	56-72	≥73	303	1962	37,500	70
Large Office ¹	58.1	≤49	50-58	59-76	≥77	145	1983	204,993	81
Retail Store	61.8	≤42	43-62	63-92	≥93	98	1966	41,881	68
Hotel/Motel	80.0	≤55	56-80	81-100	≥101	70	1977	88,468	57
Hospital	208.2	≤169	170-208	209-222	≥223	10	1960	428,993	53

¹ Small- to Mid-size Office categorized as buildings less than 100,000 square feet. Large Office categorized as buildings 100,000 square feet or greater.

Source: City of Seattle, Office of Sustainability and Environment