

Commercial sector organizations face an ongoing challenge of collecting, organizing, and analyzing an increasing amount of energy, emissions, and other sustainability data for building portfolios and operations. While there are many data management tools and platforms available at a cost from a variety of companies, there are also free, open-source tools available from the U.S. Department of Energy (DOE), U.S. Environmental Protection Agency (EPA), and partner organizations.

This collection of no-cost data tools and platforms can support Better Buildings partners in the commercial sector to manage organizational energy, emissions, and other sustainability data.

Data Tool or Platform	Description
<p>ENERGY STAR® Portfolio Manager®</p>	<p>ENERGY STAR Portfolio Manager is a secure online platform for benchmarking the energy use of any type of building. Portfolio Manager also generates an ENERGY STAR Score to reveal how efficiently a building is being operated, which organizations can use to set their performance targets and prioritize buildings for upgrade.</p> <p>https://www.energystar.gov/buildings/benchmark</p>
<p>ENERGY STAR Building Emissions Calculator</p>	<p>This tool expands on Portfolio Manager’s greenhouse gas estimations functionality and can be used to estimate historical, current, and future annual emissions from building energy use.</p> <p>https://portfoliomanager.energystar.gov/buildingEmissionsCalculator/</p>
<p>Standard Energy Efficiency Data (SEED) Platform</p>	<p>The SEED Platform is an open-source software application designed to manage building performance data (such as required by a benchmarking ordinance) which can be costly and time consuming for states, local governments and other organizations. SEED helps users combine data from multiple sources, clean and validate it, and generate queries and reports.</p> <p>https://seed-platform.org/</p>
<p>Building Efficiency Targeting Tool for Energy Retrofits (BETTER)</p>	<p>BETTER is a software toolkit that enables building operators to easily identify cost-saving energy efficiency measures in buildings and portfolios using readily available building and energy data. With minimal data entry, BETTER benchmarks building or portfolio energy use against peers; quantifies energy, cost, and greenhouse gas reduction potential; and recommends energy efficiency measures (technological and operational) for individual buildings or portfolios, targeting specific energy savings levels.</p> <p>https://better.lbl.gov/</p>

<p>DOE's Building Energy Asset Score</p>	<p>This web-based tool assesses the physical and structural energy efficiency of commercial and multifamily residential buildings, identifying opportunities to invest in energy efficiency upgrades. The tool generates an energy asset score - a simple energy efficiency rating that enables comparison among buildings energy-related systems and equipment.</p> <p>https://buildingenergytools.org/#/asset-score</p>
<p>DOE's Building Energy Audit Template</p>	<p>This web-based tool can help organizations collect, store, and report building energy audit data, including fields present in an ASHRAE Level 2 audit. The tool produces an audit data report outlining building energy use and energy efficiency measures, which could be submitted to cities to demonstrate audit completion for ordinance compliance.</p> <p>https://buildingdata.energy.gov/#/audit-template</p>
<p>Slipstream's Sketchbox™</p>	<p>Slipstream created the web-based energy modeling tool Sketchbox to enable energy analysis of new construction and major retrofits of commercial buildings, allowing for early energy simulation to inform building design and improve building performance without adding cost.</p> <p>https://slipstreaminc.org/sketchbox</p>
<p>OpenStudio®</p>	<p>OpenStudio is a cross-platform of software tools to support whole building energy modeling using EnergyPlus and advanced daylight analysis using Radiance. The open-source software development kit is aimed at reducing the effort required to build and maintain applications to facilitate community development, extension, and private sector adoption.</p> <p>http://openstudio.net/</p>

Many of the tools above are included on the Building Data Tools website (<https://buildingdata.energy.gov>) developed by DOE's Building Technologies Office to help decision makers collect, manage, and analyze data about building energy performance.

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