



Target Finder: Saves Energy, Money, and Time

Fall 2003 Edition

ENERGY STAR

Tools & Resources for Commercial New Construction

Energy Performance Rating for Building Design — [Target Finder](#)

Rate your design at www.energystar.gov — select “Business Improvement,” and choose “Target Finder” from the left column.

Internet Training — [Designing Top Energy Performing Buildings](#)

The training offers a demonstration of Target Finder and a strategic management approach to achieving your energy performance goals for new building design. Earn AIA/CES credit.

Register at www.energystar.gov — select “Business Improvement,” scroll down to the bottom of the right column, and choose “Training and Internet Presentations.”

Checklists and Resources — [New Building Design Guidance](#)

The Guidance outlines the necessary steps to incorporating and evaluating energy efficiency strategies that will help you achieve your energy performance goals.

View the Guidance at www.energystar.gov — select “Business Improvement,” choose “Energy Management Strategy,” then select “Create and Implement Action Plan.” Scroll down to “New Building Design Guidance.”

Market Advantage for Architects/Engineers — [Service and Product Providers](#)

ENERGY STAR® partners gain visibility and recognition for creating buildings that use energy efficiency to enhance performance.

Join the partnership at www.energystar.gov — select “Business Improvement,” scroll down, and select “Service and Product Providers” from the right column.

Contact Us

Website www.energystar.gov
Hotline **1 888 STAR-YES (1.888.782.7937)**

Commercial New Construction Team

Karen P. Butler—EPA
202.564.9717

Steve Jurovics—(EPA Contractor)
919.403.5104

Gauge Your Opportunities for Energy Savings

EPA's Target Finder is an energy performance rating for commercial new construction. It is an easy-to-use Internet tool that provides you with a fast benchmark for energy use, based on similar buildings already built and operating.

Target Finder helps architects and owners:

- Determine the annual energy goal of your building design
- Compare your target with simulated energy use
- Monitor your design's energy performance as building plans progress
- Evaluate the cost-effectiveness of energy efficiency measures
- Minimize potential greenhouse gas emissions associated with your building design



"EPA's Target Finder is a powerful tool; it gives quick feedback on energy use targets that is easy to understand, easy to model, and easy to share with owners and engineers early in the design process. I have wanted some "rules of thumb" or a "framework" to help the entire design team set energy use goals early in the design process and this is exactly what I need."

*Keith Giamportone, AIA,
Brown Jurkowski
Architectural Collaborative*

www.energystar.gov



Designing buildings with ENERGY STAR tools demonstrates your commitment to preserving our natural resources in a sustainable, responsible manner.

WHAT IS YOUR ENERGY PERFORMANCE RATING?





Three Easy Steps to Setting Your Target

1. ENTER FACILITY INFORMATION

- Enter zip code where project will be built. Target Finder uses the energy source(s) and climate data typical of the region to calculate the target score.
- Enter facility name and location, including country.

2. ENTER FACILITY CHARACTERISTICS

- Choose the space type(s) applicable to your project.
- Enter facility data. Characteristics will vary by space type.

3. SELECT YOUR TARGET SCORE

- Choose a target score from 50 to 100.
- Select "View Results" to display the energy use (kBtu/sf/yr) based on actual building performance.

RATE YOUR DESIGN ENERGY

- Choose the energy source(s) and units for the project.
- Enter estimated total annual energy use.
- Enter unit cost for each energy source.
- Select "View Results" to display your design energy score.

Interpreting the Results Screen

Fall 2003 Edition

YOUR DESIGN

Target Finder ranks your estimated energy consumption. A building that scores 55 is average, compared to other buildings of its type nationwide.

YOUR TARGET

Target Finder shows the annual energy use corresponding to the target score you entered. The target serves as a reference for comparing energy strategies and deciding which energy-efficient technologies and practices will best achieve the energy performance goal.

Target Energy Performance Results (estimated)			
Energy	Design	Target	Top 10%
Score	55	80	90
Site Energy Use Intensity (kBtu/Sq. Ft./yr)	119.2	85.2	68.0
Estimated Total Annual Energy (kBtu)	5,961,243.8	4,257,832.5	3,401,698.0
Total Annual Energy Cost (\$)	\$ 103,520	\$ 73,940	\$ 59,073

Facility Information		Design Energy	
Office Design	Chapel Hill, NC 27517	Office	50,000
United States		Total Gross Floor Area	50,000
Energy Source	Units	Estimated Total Annual Energy Use	Energy Rate (\$/Unit)
Electricity	kWh	1,510,066	\$ 0.064/kWh
Natural Gas	therms	8,089	\$ 0.850/therms

STATEMENT OF ENERGY DESIGN INTENT (SEDI)

Facility data, design energy, pollution emissions, and professional verification appear on the SEDI.

The Design Intent should be included in design specs and construction documents to ensure that the desired energy performance is delivered in the completed building.

EDIT

The edit links return you to the entry form to make changes.

TARGET ENERGY PERFORMANCE RESULTS

This section shows how your design compares to your target and the top 10% of commercial buildings.

The difference between the design energy use and the target is your opportunity for energy and cost savings.

The data used for the energy performance rating are derived from the US Department of Energy's Commercial Building Energy Consumption Survey. The required data inputs for the rating were found to be the primary drivers of energy use—building size, geographic location (climate), occupancy, and plug load. To date, 10,000 buildings have had their energy performance rated through EPA's Portfolio Manager. Those scoring 75 or better are eligible to earn the prestigious ENERGY STAR.