

# Applying for Designed to Earn the ENERGY STAR® Certification

The U.S. Environmental Protection Agency (EPA) recognizes architects for energy-efficient commercial building designs that achieve the ENERGY STAR. These projects and A/E firms are showcased in the ENERGY STAR Challenge: Architects.

**Figure 1.** The Designed to Earn the ENERGY STAR certification graphic can be displayed on project drawings and promotional materials.



**Figure 2.** Statement of Energy Design Intent from Target Finder documents estimated energy use and CO<sub>2</sub> savings.

OMB No. 2060-0347

**DESIGNED TO EARN THE ENERGY STAR**

**STATEMENT OF ENERGY DESIGN INTENT**

February 1, 2010

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**FACILITY INFORMATION & CHARACTERISTICS**

Facility Name:	Location: <b>United States</b>	63136	
Space Type:	Total Floor Area:	<b>50,000 sq. ft.</b>	<b>Design Energy (kBtu)<sup>1</sup></b> Electricity - Grid Purchase 2,413,456 Natural Gas 123,456
	Total Gross Floor Area:	<b>50,000 Sq. Ft.</b>	

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**DESIGN ENERGY RESULTS**

Energy (Estimates)	DESIGN	AVERAGE BUILDING	ESTIMATED SAVINGS
EPA Energy Performance Rating (1-100)	96	50	46
Percent Energy Reduction (%) <sup>2</sup>	57	0	N/A
Site Energy Use Intensity (kBtu/sq. ft.)	51	119	69
Source Energy Use Intensity (kBtu/sq. ft.)	164	385	221
Total Annual Site Energy Use (kBtu/yr)	2,536,912	5,965,570	3,428,658
Total Annual Source Energy Use (kBtu/yr)	8,190,201	19,259,328	11,069,126
Total Annual Energy Costs (\$)	\$ 47,869	\$ 112,564	\$ 64,695
<b>Pollution Emissions (metric tons/yr)<sup>3</sup></b>			
CO <sub>2</sub> -eq	597	1,404	807

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**CONTACT INFORMATION**

Building Owner/Company Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State, Zip Code \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Phone \_\_\_\_\_ Email \_\_\_\_\_

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**Professional Verification** (Licensed Architect/Engineer)

Prepared By: Firm Name _____ Address _____ City, State, Zip Code _____ Phone _____ Email _____	<b>Professional Stamp</b> Signature & Date
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**Architect of Record Firm** (if different from verifier)

Name \_\_\_\_\_  
 Firm Name \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_

<sup>1</sup> Target Finder compares your estimated energy use to existing building energy data. Therefore design energy use should include estimated plug loads, process and non-regulated loads, all energy fuel sources, and occupant and systems schedules impact energy use. An incomplete design energy profile could result in a high but inaccurate EPA Rating for the design project.  
<sup>2</sup> Percent energy reduction is calculated by comparing design energy use to the average energy use for a similar building. An average building is the equivalent of a 50 on the EPA Rating.  
<sup>3</sup> The amount of carbon dioxide equivalent gases emitted from the facility's intended energy consumption.

## Getting Started

Design projects that meet the commercial building space type criteria and receive an EPA energy performance score of 75 or higher from the online Target Finder tool are eligible to receive the Designed to Earn the ENERGY STAR certification graphic. (Figure 1)

The Architect of Record (AOR) ensures that the project meets EPA requirements and submits application documents to receive the certification.

## Receiving an EPA Energy Performance Score

Does the estimated energy use of your projects meet EPA criteria to earn ENERGY STAR?

**Use Target Finder Online:** Enter basic building design characteristics and total estimated annual energy to receive the EPA energy score.

## Completing the Application Process

The Designed to Earn the ENERGY STAR certification process is easy and cost effective for small and large A/E firms. The AOR submits to EPA letters of intent for its firm and from the building owner. The letters along with the Statement of Energy Design Intent from Target Finder (Figure 2) document the energy use target and commitment to meet EPA criteria to achieve the ENERGY STAR.

## Becoming an ENERGY STAR Partner

Architecture firms can join the Service and Product Provider partnership by submitting a design project that achieves ENERGY STAR. These partners work with building owners and provide energy use analyses, tools, and strategies to help set and achieve energy efficiency goals.

## Recognizing the Best

EPA awards Designed to Earn the ENERGY STAR only to those projects and A/E firms whose building designs meet the guidelines set by EPA. The ENERGY STAR is recognized by more than 75% of the American public as the symbol for superior energy efficiency.

Your firm can display ENERGY STAR on project drawings and promotional materials to show clients your commitment to save energy, save money, and reduce the carbon footprint of the built environment.

## For More Information

Visit the ENERGY STAR Commercial Building Design web page: [www.energystar.gov/commercialbuildingdesign](http://www.energystar.gov/commercialbuildingdesign)

View the online version of the **Designed to Earn the ENERGY STAR Guide**. Click on # 4 for the complete application process and project requirements.

[www.energystar.gov/commercialbuildingdesign](http://www.energystar.gov/commercialbuildingdesign)



**DESIGNED TO EARN THE ENERGY STAR**

Designed to Earn the ENERGY STAR is the U.S. Environmental Protection Agency's designation for energy-efficient design projects that reduce greenhouse gas emissions.