

# Statement of Energy Design Intent (SEDI): Explained

## PRIMARY PROPERTY FUNCTION: MULTIFAMILY

This is the delineation that will determine your peer group category. In our case, that will typically be multifamily.

## SCORE:

This is the predictive energy score for your property based upon what is known of the design parameters at the time of this report. The purpose of a SEDI is to see how your design decisions will affect energy performance once the building is in operation.

## SQUARE FOOTAGE:

This is one of the parameters that determines your site performance grade (Other parameters include location, occupants and demographics).

## PROPERTY INFO:

The zip code allows the energy data to be analyzed to compare the performance within the climate.

## CONTACT INFO:

Property Owner and Primary Contact info will remain blank, awaiting the property to associate them with the property's future account in ENERGY STAR Portfolio Manager.

**ENERGY STAR® Statement of Energy Design Intent (SEDI)<sup>1</sup> Property**

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**73** Primary Property Function: Multifamily Housing  
Gross Floor Area (ft<sup>2</sup>): 52,729  
Estimated Date of Certification of Occupancy: \_\_\_\_\_  
Date Generated: September 11, 2015

ENERGY STAR® Design Score<sup>2</sup>

1. This form may be used to apply for the ENERGY STAR Designed to Earn. This form was generated from Portfolio Manager's target finder: <http://www.portfoliomanager.energystar.gov/targetfinder>.  
2. The ENERGY STAR Score is based on total source energy. The scale is 1-100. A score of 75 is the minimum to be eligible for the ENERGY STAR.

Property & Contact Information for Design Project

<b>Property Address</b> Property 123 Street Whitehall, Wisconsin 54773	<b>Project Architect</b> _____ ( ) - _____	<b>Owner Contact</b> _____ ( ) - _____
<b>Property ID:</b> 4483290	<b>Architect Of Record</b> _____ ( ) - _____	<b>Property Owner</b> _____ ( ) - _____

**Estimated Design Energy**

Fuel Type	Usage	Energy Rate (\$/Unit)
Electric - Grid	625,000 kWh (thousand Watt-hours)	\$ 0.13/kWh (thousand Watt-hours)

**Estimated Design Use Details**

★ This Use Detail is used to calculate the 1-100 ENERGY STAR Score.

**Multifamily Housing**

- ★ Gross Floor Area: 52,729 Sq. Ft.
- ★ Number of Laundry Hookups in Common Area(s): 81
- ★ Number of Residential Living Units in a Mid-rise Setting (5-9 stories): 0 ← default value
- ★ Government Subsidized Housing: Yes
- ★ Total Number of Residential Living Units: 81
- ★ Percent That Can Be Cooled: All of it - 100%
- ★ Number of Bedrooms: 81
- ★ Number of Residential Living Units in a Low-rise Setting (1-4 stories): 81
- ★ Number of Residential Living Units in a High-rise Setting (10 or more stories): 0 ← default value
- ★ Percent That Can Be Heated: All of it - 100%
- ★ Resident Population Type: No specific resident population
- ★ Number of Laundry Hookups in All Units: 81

## ESTIMATED DESIGN USE DETAILS:

A breakdown of building statistics and resident population used to determine your estimated design energy.

## ESTIMATED DESIGN ENERGY:

This represents an overview how your building will use energy by fuel type, amount and cost.

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**DESIGN ENERGY & EMISSION RESULTS:**  
This represents how your building score compares to the average

Metric	Design Project	Median Property	Estimated Savings
ENERGY STAR Score (1-100)	73	50	N/A
Energy Reduction (from Median)(%)	-14.6	0	N/A
Source Energy Use Intensity (kBtu/ft <sup>2</sup> /yr)	127	148	21
Site Energy Use Intensity (kBtu/ft <sup>2</sup> /yr)	40	47	7
Source Energy Use (kBtu/yr)	6,696,050	7,837,266	1,141,216
Site Energy Use (kBtu/yr)	2,132,500	2,495,944	363,444
Energy Costs (\$)	78,312	91,659	13,347
Total GHG Emissions (Metric Tons CO <sub>2</sub> e)	438	512	74

**APPLICATION CHECKLIST:**  
This list will help you and ENERGY STAR better understand your property and its purpose.

**Designed to earn the ENERGY STAR Application Checklist**

This section is only required if you are using this document to apply for Designed to Earn the ENERGY STAR. All design projects that achieve an EPA energy performance score of 75 or higher are eligible for this certification.

1) Does the intended function or use for the property match the criteria of a [property type](#) that's eligible to receive an ENERGY STAR score?  Yes  No/Not Sure  
If you are not sure that your property design is eligible for a design ENERGY STAR score, please describe the property's major functions:

2) Is the design project at least 95% complete with construction documents?  Yes  No  
If no, please explain:

3) Is the property unoccupied and not yet generating energy bills?  Yes  No

4) Do energy calculations account for the whole building intended operations and all energy sources?  Yes  No

5) Is the Architect of Record (AOR) an ENERGY STAR partner?  Yes  No

6) Will the AOR review the SEDI with building owner before they sign the Owner Letter of Intent?  Yes  No

7) Do the AOR and Building Owner agree that EPA may use information from this document in ENERGY STAR program materials?  Yes  No

8) Are you seeking other qualifications for this design project?  Yes  No  
If so, please select all that apply:

- AIA 2030 Commitment
- Architecture 2030 Challenge
- Federal, State or Local Disclosure Ordinance
- Green Globes
- LEED
- Other, please indicate: \_\_\_\_\_

**SIGNATURE & STAMP OF PROFESSIONAL:**  
These will be left blank.  
These are used by the verifying professional if the property moves forward to achieve ENERGY STAR Certification of their property upon completion and verification of efficiency measures.

**Professional Verification**

I \_\_\_\_\_ (Name) verify that the above information is true and correct to the best of my knowledge.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Verifying Professional**

\_\_\_\_\_

( ) \_\_\_\_\_

\_\_\_\_\_

**Verifying Professional Stamp (if applicable)**

Note: When applying for the ENERGY STAR Designed to Earn, the signature of the Verifying Professional must match the stamp.

