



# STATEMENT OF ENERGY DESIGN INTENT

May 2, 2012

## FACILITY INFORMATION & CHARACTERISTICS

Facility Name: <b>Sample SEDI</b>	Location: <b>Washington DC 20005 United States</b>	<b>Design Energy (kBtu)<sup>1</sup></b> Electricity - Grid Purchase 1,098,053 Natural Gas 1,086,122
Space Type: <b>K-12 School</b>	Total Floor Area: <b>70,000 sq. ft.</b>  Total Gross Floor Area: <b>70,000 Sq. Ft.</b>	

RESULTS FOR ESTIMATED ENERGY USE	DESIGN	MEDIAN BUILDING	ESTIMATED SAVINGS
EPA Energy Performance Rating (1-100) <sup>1</sup>	99	50	49
Percent Energy Reduction (%) <sup>2</sup>	61	0	N/A
Site Energy Use Intensity (kBtu/sf/yr)	31	81	50
Source Energy Use Intensity (kBtu/sf/yr)	69	178	109
Total Annual Site Energy Use (kBtu/yr)	2,184,175	5,657,991	3,473,816
Total Annual Source Energy Use (kBtu/yr)	4,804,667	12,446,238	7,641,571
Total Annual Energy Costs (\$)	\$ 58,848	\$ 152,442	\$ 93,594
<b>Pollution Emissions (metric tons/yr)<sup>3</sup></b>			
CO <sub>2</sub> -eq	213	552	339

## CONTACT INFORMATION

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

## Professional Verification (Licensed Architect/Engineer)

Prepared By Architecture/Engineering Firm  
 Firm Name  
 Address  
 City, State, Zip Code  
 Phone  
 Email

## Architect of Record Firm (if different from verifier)

Name Project Engineer  
 Firm Name  
 Phone  
 Email

## Professional Stamp

Signature &amp; Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

<sup>1</sup> Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.

<sup>2</sup> "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.

<sup>3</sup> The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.



## STATEMENT OF ENERGY DESIGN INTENT

May 2, 2012

### FACILITY INFORMATION & CHARACTERISTICS

Facility Name: <b>Sample SEDI</b>		Location: <b>Washington DC 20005 United States</b>			Design Energy (kBtu) <sup>1</sup> Electricity - Grid Purchase 1,098,053 Natural Gas 1,086,122				
Space Type: <b>K-12 School</b>		Total Floor Area: <b>70,000 sq. ft.</b> Total Gross Floor Area: <b>70,000 Sq. Ft.</b>							
<b>K-12 School</b>	Gross Floor Area <b>70000 Sq. Ft.</b>	Open Weekends? <b>No</b>	Number of PCs <b>230</b>	Number of walk-in refrigeration/freezer units <b>2</b>	Presence of cooking facilities <b>Yes</b>	Percent Cooled <b>100 %</b>	Percent Heated <b>100 %</b>	High School? <b>No</b>	

### ADDITIONAL INFORMATION (if necessary please attach additional pages).

- Does the building design match "Space Type" description in Target Finder? **Yes**
- Is the building occupied and generating energy bills? **No**
- Does energy calculation account for the whole building and all energy sources? **Yes**
- Is the Architect of Record an ENERGY STAR partner? If no, Join now. The AOR is required to be an ENERGY STAR partner to submit design project. **Yes**
- The AOR/Building Owner agree that EPA may use information from the Statement of Energy Design Intent in ENERGY STAR program materials? **Yes**

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, [www.energystar.gov](http://www.energystar.gov).

The government estimates the average time needed to fill out this form is 10 minutes and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S., EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460