



# ENERGY STAR® Application for Certification

# 87

ENERGY STAR®  
Score<sup>1</sup>

## Office - Test Application

**Registry Name:** Office - Test Application

**Property Type:** Office

**Gross Floor Area (ft<sup>2</sup>):** 128,600

**Built:** 1992

**For Year Ending:** 04/30/2016<sup>2</sup>

**Date Application Becomes Ineligible:** 08/28/2016

1. The ENERGY STAR Score is based on total source energy. A score of 75 is the minimum to be eligible for the ENERGY STAR.  
2. Applications must be submitted to EPA within 120 days of the Year Ending Date. The award is not final until approval is received from EPA.



Please use the [Licensed Professional's Guide to the ENERGY STAR® for Commercial Buildings](http://www.energystar.gov/lpguide) for reference in completing this checklist (<http://www.energystar.gov/lpguide>).

## Property & Contact Information

### Property Address

Office - Test Application  
37 Example Street  
Washington, District of Columbia (D.C.)  
20007

### Property Owner

ICF International  
9300 Lee Highway  
Fairfax, VA 22031  
(\_\_\_\_)\_\_\_\_-\_\_\_\_

### Primary Contact

John Smith  
37 Example Street  
Arlington, VA 22201  
703-732-2067  
jon.gimber@icfi.com

**Property ID:** 3625620

## 1. Review of Whole Property Characteristics

### Basic Property Information

#### 1) Property Name for Registry: Office - Test Application

Is this the official name to be displayed in the [Registry of ENERGY STAR Certified Buildings and Plants](#)?

Yes  No

If "No", please specify: \_\_\_\_\_

#### 2) Property Type: Office

Is this an accurate description of the primary use of this property?

Yes  No

**3) Location:**

37 Example Street  
Washington, District of Columbia (D.C.) 20007

 Yes  No

Is this correct and complete?

**4) Gross Floor Area:** 128,600 ft<sup>2</sup>

Does this represent the entire property? (i.e., no part of the building/property was excluded/subtracted from the total) If "no" please specify what space has been excluded.

 Yes  No
**5) Average Occupancy:** 100

Is this occupancy accurate for the entire 12 month period being assessed?

 Yes  No
**6) Number of Buildings:** 1

Does this number accurately represent all structures?

 Yes  No
**Notes:**

## Indoor Environmental Standards

**1) Ventilation for Acceptable Indoor Air Quality**

Does this property meet the minimum ventilation rates according to ANSI/ASHRAE Standard 62.1, Ventilation for Acceptable Indoor Air Quality?

 Yes  No
**2) Acceptable Thermal Environmental Conditions**

Does this property meet acceptable thermal environmental conditions according to ANSI/ASHRAE Standard 55, Thermal Environmental Conditions for Human Occupancy?

 Yes  No
**3) Adequate Illumination**

Does this property meet the minimum illumination levels as recommended by the Illuminating Engineering Society of North America (IESNA) Lighting Handbook?

 Yes  No
**Notes:**

## 2. Review of Property Use Details

### Office: Office Use

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

#### ★ 1) Gross Floor Area: 108,000

Is this the total size, as measured between the principal exterior surfaces of the enclosing fixed walls of the building(s)? This includes all areas inside the building(s) such as: occupied tenant areas, common areas, meeting areas, break rooms, restrooms, elevator shafts, mechanical equipment areas, and storage rooms. Gross Floor Area should not include interstitial plenum space between floors, which may house pipes and ventilation. Gross Floor Area is not the same as rentable, but rather includes all area inside the building(s). Leasable space would be a sub-set of Gross Floor Area. In the case where there is an atrium, you should count the Gross Floor Area at the base level only. Do not increase the size to accommodate open atrium space at higher levels. The Gross Floor Area should not include any exterior spaces such as balconies or exterior loading docks and driveways.

Yes  No

#### ★ 2) Weekly Operating Hours: 53

Is this the total number of hours per week that the property is occupied by the majority of the employees? It does not include hours when the HVAC system is starting up or shutting down, or when property is occupied only by maintenance, security, cleaning staff, or other support personnel. For properties with a schedule that varies during the year, use the schedule most often followed.

Yes  No

#### ★ 3) Number of Workers on Main Shift: 262

Is this the total number of workers present during the primary shift? This is not a total count of workers, but rather a count of workers who are present at the same time. For example, if there are two daily eight hour shifts of 100 workers each, the Number of Workers on Main Shift value is 100. Number of Workers on Main Shift may include employees of the property, sub-contractors who are onsite regularly, and volunteers who perform regular onsite tasks. Number of Workers should not include visitors to the buildings such as clients, customers, or patients.

Yes  No

#### ★ 4) Number of Computers: 290

Is this the total number of computers, laptops, and data servers at the property? This number should not include tablet computers, such as iPads, or any other types of office equipment.

Yes  No

#### ★ 5) Percent That Can Be Heated: 100

Is this the total percentage of the property that can be heated by mechanical equipment?

Yes  No

#### ★ 6) Percent That Can Be Cooled: 100

Is this the total percentage of the property that can be cooled by mechanical equipment? This includes all types of cooling from central air to individual window units.

Yes  No

**Notes:**

## Parking: Parking Use

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

### ★ 1) Open Parking Lot Size: 0 ft<sup>2</sup>

Is this the total area that is lit and used for parking vehicles? Open Parking Lot Size refers specifically to open area, which may include small shading covers but does not include any full structures with roofs. Parking lot size may include the area of parking spots, lanes, and driveways.

Yes  No

### ★ 2) Partially Enclosed Parking Garage Size: 0 ft<sup>2</sup>

Is this the total area of parking structures that are partially enclosed? This includes parking garages where each level is covered at the top, but the walls are partially or fully open.

Yes  No

### ★ 3) Completely Enclosed Parking Garage Size: 18,000 ft<sup>2</sup>

Is this the total area of parking structures that are completely enclosed on all four sides and have a roof? This includes underground parking or fully enclosed parking on the first few stories of a building.

Yes  No

### ★ 4) Supplemental Heating: No

Does the parking garage have a heating system to pre-heat ventilation air and/or maintain a minimum temperature during winter months?

Yes  No

**Notes:**

## Office: Vacant Office Use

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

### ★ 1) Gross Floor Area: 20,600

Is this the total size, as measured between the principal exterior surfaces of the enclosing fixed walls of the building(s)? This includes all areas inside the building(s)

Yes  No

such as: occupied tenant areas, common areas, meeting areas, break rooms, restrooms, elevator shafts, mechanical equipment areas, and storage rooms. Gross Floor Area should not include interstitial plenum space between floors, which may house pipes and ventilation. Gross Floor Area is not the same as rentable, but rather includes all area inside the building(s). Leasable space would be a sub-set of Gross Floor Area. In the case where there is an atrium, you should count the Gross Floor Area at the base level only. Do not increase the size to accommodate open atrium space at higher levels. The Gross Floor Area should not include any exterior spaces such as balconies or exterior loading docks and driveways.

★ 2) **Weekly Operating Hours: 0**

Is this the total number of hours per week that the property is occupied by the majority of the employees? It does not include hours when the HVAC system is starting up or shutting down, or when property is occupied only by maintenance, security, cleaning staff, or other support personnel. For properties with a schedule that varies during the year, use the schedule most often followed.

Yes  No

★ 3) **Number of Workers on Main Shift: 0**

Is this the total number of workers present during the primary shift? This is not a total count of workers, but rather a count of workers who are present at the same time. For example, if there are two daily eight hour shifts of 100 workers each, the Number of Workers on Main Shift value is 100. Number of Workers on Main Shift may include employees of the property, sub-contractors who are onsite regularly, and volunteers who perform regular onsite tasks. Number of Workers should not include visitors to the buildings such as clients, customers, or patients.

Yes  No

★ 4) **Number of Computers: 0**

Is this the total number of computers, laptops, and data servers at the property? This number should not include tablet computers, such as iPads, or any other types of office equipment.

Yes  No

★ 5) **Percent That Can Be Heated: 100**

Is this the total percentage of the property that can be heated by mechanical equipment?

Yes  No

★ 6) **Percent That Can Be Cooled: 100**

Is this the total percentage of the property that can be cooled by mechanical equipment? This includes all types of cooling from central air to individual window units.

Yes  No

**Notes:**

### 3. Review of Energy Consumption

#### Data Overview

##### Site Energy Use Summary

Electric - Grid (kBtu) 5,693,579.3 (100%)

##### National Median Comparison

National Median Site EUI (kBtu/ft<sup>2</sup>) 73.7

Total Energy (kBtu)	5,693,579.4	National Median Source EUI (kBtu/ft <sup>2</sup> )	231.3
<b>Energy Intensity</b>		% Diff from National Median Source EUI	-39.9%
Site (kBtu/ft <sup>2</sup> )	44.3		
Source (kBtu/ft <sup>2</sup> )	139	<b>Emissions</b> (based on site energy use)	
		Greenhouse Gas Emissions (Metric Tons CO <sub>2</sub> e)	762.2
<b>Power Generation Plant or Distribution Utility:</b> Potomac Electric Power Co [Pepco Holdings Inc]			
Note: All values are annualized to a 12-month period. Source Energy includes energy used in generation and transmission to enable an equitable assessment.			

## Summary of All Associated Meters

The following meters are associated with the property, meaning that they are added together to get the total energy use for the property. Please see additional tables in this checklist for the exact meter consumption values.

Meter Name	Fuel Type	Start Date	End Date	Associated With
Electric Grid Meter	Electric	12/01/2012	In Use	Office - Test Application

**Total Energy Use**

Yes  No

Do the meters shown above account for the total energy use of this property during the reporting period of this application?

**Additional Fuels**

Yes  No

Do the meters above include all fuel *types* at the property? That is, no additional fuels such as district steam, generator fuel oil have been excluded.

**On-Site Solar and Wind Energy**

Yes  No

Are all on-site solar and wind installations reported in this list (if present)? All on-site systems must be reported.

**Notes:**

## Summary of Additional Meters

None of the following meters are associated with the property meaning that they are not added together to account for the total energy use of the property.

Meter Name	Fuel Type	Start Date	End Date	Associated With
Uninterruptible Power Supply Meter	Uninterruptible Power Supply (UPS) Output Energy	05/01/2013	In Use	None

**Sub (or Ancillary) Meter Energy Use**  Yes  No

Are the meters in this list all sub-meters or other ancillary meters that do not need to be added to the total energy for the reporting period of this application?

**Notes:**

**Electric Meter: Electric Grid Meter (kWh (thousand Watt-hours))**

**Associated With:** Office - Test Application

Start Date	End Date	Usage	Green Power?
04/29/2015	05/30/2015	138,422	No
05/30/2015	06/30/2015	147,508	No
06/30/2015	07/29/2015	155,233	No
07/29/2015	08/30/2015	134,640	No
08/30/2015	09/28/2015	138,422	No
09/28/2015	10/29/2015	141,238	No
10/29/2015	11/30/2015	145,533	No
11/30/2015	12/29/2015	134,640	No
12/29/2015	01/29/2016	136,492	No
01/29/2016	02/28/2016	145,533	No
02/28/2016	03/30/2016	134,640	No
03/30/2016	04/30/2016	125,322	No
<b>Total Consumption (kWh (thousand Watt-hours)):</b>			1,677,623
<b>Total Consumption (kBtu (thousand Btu)):</b>			5,724,049.7

**Total Energy Consumption for this Meter**  Yes  No

Do the fuel consumption totals shown above include consumption of all energy tracked through this meter that affect energy calculations for the reporting period of this application (i.e., do the entries match the utility bills received by the property)?

**Notes:**

#### 4. Signature & Stamp of Verifying Licensed Professional

\_\_\_\_\_ (Name) visited this site on \_\_\_\_\_ (Date). Based on the conditions observed at the time of the visit to this property, I verify that the information contained within this application is accurate and in accordance with the Licensed Professional Guide.

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

**Licensed Professional**

License: 12345 in VA

John Engineer  
 9300 Lee Highway  
 Fairfax, VA 22031  
 9737685403  
 john.smith@icfi.com



**Professional Engineer Stamp**

**NOTE:** When applying for the ENERGY STAR, the signature of the Verifying Professional must match the stamp.

#### 5. Signatory Agreement

I hereby nominate the above described property for award of the ENERGY STAR. I have provided a copy of the Licensed Professionals Guide to the ENERGY STAR for Commercial Buildings to our Licensed Professional (LP) for reference. As documented by the above checklist, this property meets the conditions necessary to qualify as ENERGY STAR. I am submitting this application within four months of the Year Ending Date (April 30, 2016) used to generate the application. I will assist EPA, if requested, in verifying any data included in this application. Furthermore, I agree to associate the ENERGY STAR logo only with this property and to adhere to the ENERGY STAR Identity Guidelines.

Signature (must be a direct employee of the building owner/manager): \_\_\_\_\_ Date: \_\_\_\_\_

Signatory Name: John Smith

Property Owner: ICF International

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, Licensed Professional facility inspection, and notarizing the SEP) 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