



# ENERGY STAR® Application for Certification

# 77

**ENERGY STAR®  
Score<sup>1</sup>**

## Casio America, Inc.

**Registry Name:** Casio America, Inc.  
**Property Type:** Distribution Center  
**Gross Floor Area (ft²):** 126,108  
**Built:** 1986

**For Year Ending:** 05/31/2017<sup>2</sup>  
**Date Application Becomes Ineligible:** 09/28/2017

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**  
 Casio America, Inc.  
 570 Mount Pleasant Ave.  
 Dover, New Jersey 07801

**Property Owner**  
 Casio America Inc.  
 570 Mt. Pleasant Ave  
 Dover, NJ 07801  
 (\_\_\_\_)\_\_\_\_-\_\_\_\_\_

**Primary Contact**  
 John Conway  
 570 Mt. Pleasant Ave  
 Dover, NJ 07801  
 973-361-5400  
 pheinrich@casio.com

**Property ID:** 2681339

## 1. Review of Whole Property Characteristics

### Basic Property Information

- 1) Property Name for Registry:** Casio America, Inc.  Yes  No
- Is this the official name to be displayed in the [Registry of ENERGY STAR Certified Buildings and Plants?](#)
- If "No", please specify: \_\_\_\_\_
- 2) Property Type:** Distribution Center  Yes  No
- Is this an accurate description of the primary use of this property?
- 3) Location:**  Yes  No

570 Mount Pleasant Ave.  
Dover, New Jersey 07801

Is this correct and complete?

**4) Gross Floor Area:** 126,108 ft<sup>2</sup>

Yes  No

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.

**5) Average Occupancy (%):** 100

Yes  No

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

**6) Number of Buildings:** 1

Yes  No

Does this number accurately represent all structures?

**Notes:**

## Indoor Environmental Standards

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

Yes  No

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

**2) Acceptable Thermal Environmental Conditions**

Yes  No

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

**3) Adequate Illumination**

Yes  No

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

**Notes:**

## 2. Review of Property Use Details

## Office: Office

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

★ 1) **Gross Floor Area: 55,592**

Is this the total size, as measured between the outside surface of the exterior 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: 60**

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: 190**

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: 225**

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:**

## Distribution Center: Warehouse

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

### ★ 1) Gross Floor Area: 68,356

Is this the total size, as measured between the outside surface of the exterior 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: 55

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: 100

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 Walk-in Refrigeration/Freezer Units: 0

Is this the total count of walk-in units at the property? Walk-in Refrigeration/Freezers are typically very large units located in storage areas or commercial kitchens that would not be accessible to all building occupants. This count should only include large storage units that a person actually walks into in order to store or retrieve perishable goods.

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: 10

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:****Office: Office Use**

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

**★ 1) Gross Floor Area: 2,160**

Is this the total size, as measured between the outside surface of the exterior 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: 168**

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: 2**

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: 36**

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**

Yes  No

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.

**Notes:**

### 3. Review of Energy Consumption

Data Overview			
<b>Site Energy Use Summary</b>		<b>National Median Comparison</b>	
Natural Gas (kBtu)	2,053,406.1 (31%)	National Median Site EUI (kBtu/ft <sup>2</sup> )	75.5
Electric - Grid (kBtu)	4,480,829.1 (69%)	National Median Source EUI (kBtu/ft <sup>2</sup> )	187.5
Total Energy (kBtu)	6,534,235.1	% Diff from National Median Source EUI	-31.4%
<b>Energy Intensity</b>		<b>Emissions (based on site energy use)</b>	
Site (kBtu/ft <sup>2</sup> )	51.8	Greenhouse Gas Emissions (Metric Tons CO <sub>2</sub> e)	622.9
Source (kBtu/ft <sup>2</sup> )	128.7	<b>Power Generation Plant or Distribution Utility:</b> Jersey Central Power & Light Co [FirstEnergy Corp]	
<small>Note: All values are annualized to a 12-month period. Source Energy includes energy used in generation and transmission to enable an equitable assessment.</small>			

**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
JCP&L A# 10 00 01 3068 4 2	Electric	10/13/2009	In Use	Casio America, Inc.
NJ Natural Gas A# 05-1198-2515-11	Natural Gas	10/13/2009	In Use	Casio America, Inc.

**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 (UPS) Output Meter	Uninterruptible Power Supply (UPS) Output Energy	10/21/2015	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: JCP&L A# 10 00 01 3068 4 2 (kWh (thousand Watt-hours))**

**Associated With:** Casio America, Inc.

Start Date	End Date	Usage	Green Power?
05/08/2016	06/08/2016	95,143	No
06/09/2016	07/08/2016	90,663	No
07/09/2016	08/08/2016	102,463	No
08/09/2016	09/08/2016	95,783	No

Start Date	End Date	Usage	Green Power?
09/09/2016	10/08/2016	103,463	No
10/09/2016	11/08/2016	104,800	No
11/09/2016	12/08/2016	125,280	No
12/09/2016	01/08/2017	111,200	No
01/09/2017	02/08/2017	145,760	No
02/09/2017	03/08/2017	120,480	No
03/09/2017	04/08/2017	126,560	No
04/09/2017	05/08/2017	89,223	No
05/09/2017	06/08/2017	99,463	No
<b>Total Consumption (kWh (thousand Watt-hours)):</b>			1,410,281
<b>Total Consumption (kBtu (thousand Btu)):</b>			4,811,878.8

**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:**

### Natural Gas Meter: NJ Natural Gas A# 05-1198-2515-11 (therms)

**Associated With:** Casio America, Inc.

Start Date	End Date	Usage
05/15/2016	06/14/2016	468.03
06/15/2016	07/14/2016	0
07/15/2016	08/14/2016	0
08/15/2016	09/14/2016	90.12
09/15/2016	10/14/2016	279.11
10/15/2016	11/14/2016	470.76
11/15/2016	12/14/2016	1,840
12/15/2016	01/14/2017	4,353.72
01/15/2017	02/14/2017	4,536.38
02/15/2017	03/14/2017	3,825.22
03/15/2017	04/14/2017	4,071.05



Start Date	End Date	Usage
04/15/2017	05/14/2017	797.82
05/15/2017	06/14/2017	106.7
<b>Total Consumption (therms):</b>		20,838.91
<b>Total Consumption (kBtu (thousand Btu)):</b>		2,083,891

**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: 23022 in NJ

Ed Jalil  
 715 Allwood Rd.  
 Clifton, NJ 07012  
 201-218-9816  
 eajalil@aol.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 (May 31, 2017) 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 Conway

Property Owner: Casio America Inc.

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