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ENERGY STAR® Data Verification Checklist

N/A

ENERGY STAR®
Score¹

Circle Star Plaza

Primary Function: Office
Gross Floor Area (ft²): 207,896
Built: 2000

For Year Ending: 03/31/2014
Date Generated: 05/12/2014

1. The ENERGY STAR score is a 1-to-100 assessment of a building's energy efficiency as compared with similar building nationwide, adjusting for climate and business activity.

Property & Contact Information

Property Address

Circle Star Plaza
One Circle Star Way
San Carlos, California 94070

Property ID: 3993597

Property Owner

County of San Mateo
455 County Center
4th Floor
Redwood City, CA 94063
6503634000

Primary Contact

Pacific Gas and Electric Company
245 Market St
Mail Code N3F
San Francisco, CA 94105
800-468-4743
benchmarking@pge.com

1. Review of Whole Property Characteristics

Basic Property Information

1) Property Name: Circle Star Plaza

Is this the official name of the property?

Yes No

If "No", please specify: _____

2) Primary Function: Office

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

Yes No

3) Location:

One Circle Star Way
San Carlos, California 94070

Is this correct and complete?

Yes No

4) Gross Floor Area: 207,896 ft²

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) Annual Occupancy: 55

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

Yes No

6) Number of Buildings: 2

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 ASHRAE Standard 62 for ventilation for acceptable indoor air quality?

Yes No

2) Acceptable Thermal Environmental Conditions

Does this property meet the ASHRAE Standard 55 for thermal comfort?

Yes No

3) Adequate Illumination

Does this property adhere to the IESNA Lighting Handbook for lighting quality?

Yes No

Notes:

2. Review of Property Use Details

Office: Office Use

1) Gross Floor Area: 207,896 ft²

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

Yes No

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: Not entered

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 property is occupied only by maintenance, security, or other support personnel. The Weekly Operating Hours is not the same as the hours during which the HVAC equipment is run, but rather should be based on the hours during which your property is actually occupied by the majority of the tenants. It is possible that these hours may correspond to hours specified within a lease, during which the owner is required to provide the leasee with conditioned space. However, this number should never include additional HVAC startup or shutdown time. For properties with a schedule that varies during the year, Weekly Operating Hours refers to the schedule most often followed.

Yes No

3) Number of Computers: Not entered

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

4) Number of Workers on Main Shift: Not entered

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

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

1) Open Parking Lot Size: 55,600 ft²

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: 79,800 ft²

Is this the total area of any parking structure that is not fully enclosed? This includes parking garages where each level is covered at the top, but the sides are partially or fully open – that is, structures that have partial walls or no walls at all.

Yes No

3) Completely Enclosed Parking Garage Size: 0 ft²

Is this the total area of a parking structure that is completely enclosed on all four sides and has a roof? For example, this includes an underground parking structure or a fully enclosed structure on the first few stories of another 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:

3. Review of Energy Consumption

Data Overview

Site Energy Use Summary

Natural Gas (kBtu)	2,981,100 (32%)
Electric - Grid (kBtu)	6,207,293.1 (68%)
Total Energy (kBtu)	9,188,393

Energy Intensity

Site (kBtu/ft ²)	44.2
Source (kBtu/ft ²)	108.8

National Median Comparison

National Median Site EUI (kBtu/ft ²)	60.1
National Median Source EUI (kBtu/ft ²)	148.1
% Diff from National Median Source EUI	-26.54%

Emissions (based on site energy use)

Greenhouse Gas Emissions (MtCO₂e) 703.8

Power Generation Plant or Distribution Utility:

Pacific Gas & Electric Co

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
x01581	Electric	01/01/2012	In Use	Circle Star Plaza
1006527991	Electric	01/01/2012	In Use	Circle Star Plaza
1004778052	Electric	01/01/2012	In Use	Circle Star Plaza
1006730917	Electric	01/01/2012	In Use	Circle Star Plaza
51997561	Natural Gas	01/01/2012	In Use	Circle Star Plaza
52522327	Natural Gas	01/01/2012	In Use	Circle Star Plaza

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:

Electric Meter: x01581 (kWh (thousand Watt-hours))

Associated With: Circle Star Plaza

Start Date	End Date	Usage	Green Power?
03/28/2013	04/26/2013	6,640	No
04/26/2013	05/29/2013	7,560	No
05/29/2013	06/27/2013	6,680	No
06/27/2013	07/29/2013	6,840	No
07/29/2013	08/26/2013	7,080	No
08/26/2013	09/26/2013	13,720	No
09/26/2013	10/25/2013	11,720	No

Start Date	End Date	Usage	Green Power?
10/25/2013	11/25/2013	12,360	No
11/25/2013	12/27/2013	14,600	No
12/27/2013	01/28/2014	13,880	No
01/28/2014	02/27/2014	13,280	No
02/27/2014	03/31/2014	14,960	No
03/31/2014	04/30/2014	13,720	No
Total Consumption (kWh (thousand Watt-hours)):			143,040
Total Consumption (kBtu (thousand Btu)):			488,052.5

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:

Electric Meter: 1006527991 (kWh (thousand Watt-hours))

Associated With: Circle Star Plaza

Start Date	End Date	Usage	Green Power?
03/27/2013	04/28/2013	0	No
04/28/2013	05/28/2013	0	No
05/28/2013	06/26/2013	0	No
06/26/2013	07/28/2013	23	No
07/28/2013	08/26/2013	68	No
08/26/2013	09/25/2013	89	No
09/25/2013	10/24/2013	68	No
10/24/2013	11/24/2013	65	No
11/24/2013	12/26/2013	27	No
12/26/2013	01/27/2014	44	No
01/27/2014	02/26/2014	54	No
02/26/2014	03/27/2014	25	No
03/27/2014	04/28/2014	36	No

Total Consumption (kWh (thousand Watt-hours)):	499
Total Consumption (kBtu (thousand Btu)):	1,702.6

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:

Electric Meter: 1004778052 (kWh (thousand Watt-hours))

Associated With: Circle Star Plaza

Start Date	End Date	Usage	Green Power?
03/27/2013	04/28/2013	43,672	No
04/28/2013	05/28/2013	20,894	No
05/28/2013	06/26/2013	36,503	No
06/26/2013	07/28/2013	41,782	No
07/28/2013	08/26/2013	78,123	No
08/26/2013	09/25/2013	138,881	No
09/25/2013	10/24/2013	123,107	No
10/24/2013	11/24/2013	121,423	No
11/24/2013	12/26/2013	125,919	No
12/26/2013	01/27/2014	135,107	No
01/27/2014	02/26/2014	140,875	No
02/26/2014	03/27/2014	153,151	No
03/27/2014	04/28/2014	162,860	No
		Total Consumption (kWh (thousand Watt-hours)):	1,322,297
		Total Consumption (kBtu (thousand Btu)):	4,511,677.4

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:

Electric Meter: 1006730917 (kWh (thousand Watt-hours))

Associated With: Circle Star Plaza

Start Date	End Date	Usage	Green Power?
03/28/2013	04/26/2013	35,700	No
04/26/2013	05/29/2013	32,100	No
05/29/2013	06/27/2013	46,500	No
06/27/2013	07/29/2013	52,500	No
07/29/2013	08/26/2013	49,500	No
08/26/2013	09/26/2013	56,400	No
09/26/2013	10/25/2013	43,200	No
10/25/2013	11/25/2013	33,900	No
11/25/2013	12/27/2013	37,200	No
12/27/2013	01/28/2014	43,500	No
01/28/2014	02/27/2014	44,400	No
02/27/2014	03/28/2014	37,500	No
03/28/2014	04/29/2014	35,100	No
Total Consumption (kWh (thousand Watt-hours)):			547,500
Total Consumption (kBtu (thousand Btu)):			1,868,070

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: 51997561 (therms)

Associated With: Circle Star Plaza

Start Date	End Date	Usage
03/28/2013	04/29/2013	566
04/29/2013	05/29/2013	0
05/29/2013	06/27/2013	0
06/27/2013	07/29/2013	0
07/29/2013	08/27/2013	326
08/27/2013	09/26/2013	1,470
09/26/2013	10/25/2013	1,731
10/25/2013	11/25/2013	2,383
11/25/2013	12/27/2013	5,745
12/27/2013	01/28/2014	5,871
01/28/2014	02/27/2014	4,847
02/27/2014	03/28/2014	5,641
03/28/2014	04/29/2014	6,297
Total Consumption (therms):		34,877
Total Consumption (kBtu (thousand Btu)):		3,487,700

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: 52522327 (therms)

Associated With: Circle Star Plaza

Start Date	End Date	Usage
03/28/2013	04/29/2013	123
04/29/2013	05/29/2013	0
05/29/2013	06/27/2013	70
06/27/2013	07/29/2013	0

Start Date	End Date	Usage
07/29/2013	08/27/2013	178
08/27/2013	09/26/2013	0
09/26/2013	10/25/2013	0
10/25/2013	11/25/2013	0
11/25/2013	12/27/2013	4
12/27/2013	01/28/2014	48
01/28/2014	02/27/2014	107
02/27/2014	03/28/2014	0
03/28/2014	04/29/2014	0
Total Consumption (therms):		530
Total Consumption (kBtu (thousand Btu)):		53,000

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

,
(____)____-_____



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

Professional Engineer Stamp
(if applicable)