

Rene Cazenave Apartments
 Design Energy profile
 November 17, 2014

Area (GSF)	
Residential – 120 one-bedroom and studio units	48,184
Common areas	1,818
Tenant Services (offices, counseling, etc)	21,326
Retail	3,395
Total	74,723
Site EUI per Energy Star Target Finder (kBtu/sf/yr)	
Median (baseline)	56.4
EUI per Title 24 (kBtu/sf/yr)	
Design (w/o renewable contribution)	33.2
Solar hot water system @ 465,341 kBtu/yr	<6.2>
Solar photovoltaic system @ 55.9 kW = 68,724 kWh/yr = 234,496 kBtu/yr	<3.1>
Total Design EUI	23.9
%better than baseline	57%

BUILDING ENERGY ANALYSIS REPORT

PROJECT:

Transbay Block 11A (Res. Units)
Essex Street
San Francisco, CA

Report Prepared by:

Chuck Clemons
Energy Calc Co.
45 Mitchell Blvd. #16
San Rafael, Ca. 94903
(415) 457-0990

Job Number:

1027TB11

Date:

6/17/2011

The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2008 Building Energy Efficiency Standards.

This program developed by EnergySoft, LLC – www.energysoft.com.

ENERGY USE AND COST SUMMARY

ECON-1

Project Name
Transbay Block 11A (Res. Units)

Date
11/17/2014

Rate: PG&E A-1

Fuel Type: Electricity

	STANDARD			PROPOSED			MARGIN		
	Energy Use (kWh)	Peak Demand (kW)	Cost (\$)	Energy Use (kWh)	Peak Demand (kW)	Cost (\$)	Energy Use (kWh)	Peak Demand (kW)	Cost (\$)
Jan	14,262	44.3	2,009	14,998	47.4	2,112	-735	-3.1	-103
Feb	12,994	48.2	1,831	13,630	54.0	1,920	-636	-5.8	-89
Mar	14,161	44.3	1,995	14,978	52.3	2,110	-817	-8.0	-115
Apr	13,967	56.0	1,968	14,664	55.2	2,066	-698	0.8	-98
May	15,876	56.1	3,502	15,390	55.3	3,395	486	0.8	107
Jun	18,385	62.2	4,054	16,852	61.1	3,717	1,533	1.1	337
Jul	19,641	60.0	4,331	18,592	58.8	4,100	1,048	1.1	231
Aug	18,468	60.0	4,073	18,558	59.1	4,093	-90	0.8	-20
Sep	18,210	61.1	4,016	18,791	60.9	4,144	-581	0.1	-128
Oct	16,792	58.0	3,704	17,721	57.9	3,908	-929	0.2	-204
Nov	13,977	44.3	1,969	14,843	52.7	2,091	-866	-8.4	-122
Dec	14,258	44.3	2,009	14,990	45.3	2,111	-732	-1.0	-103
Year	190,991	62.2	35,461	194,009	61.1	35,767	-3,018	1.1	-306
CO ₂	0	lbs/yr		0	lbs/yr		0	lbs/yr	

Rate: PG&E G-NR1

Fuel Type: Natural Gas

	STANDARD			PROPOSED			MARGIN		
	Energy Use (therms)	Peak Demand (kBtu/hr)	Cost (\$)	Energy Use (therms)	Peak Demand (kBtu/hr)	Cost (\$)	Energy Use (therms)	Peak Demand (kBtu/hr)	Cost (\$)
Jan	2,246	718.4	1,967	1,715	498.0	1,503	531	220.4	465
Feb	1,520	640.8	1,331	1,140	434.6	999	380	206.2	333
Mar	1,368	665.8	1,198	996	443.1	872	372	222.7	325
Apr	1,049	588.5	853	729	373.3	592	320	215.2	260
May	922	411.5	750	552	265.7	449	370	145.8	301
Jun	842	298.1	684	478	142.1	389	364	155.9	296
Jul	849	287.2	690	487	131.3	396	362	155.9	294
Aug	837	282.9	680	484	129.7	393	353	153.3	287
Sep	809	282.6	657	465	129.5	378	343	153.1	279
Oct	896	397.5	729	570	244.7	463	327	152.9	266
Nov	1,364	599.2	1,195	1,000	395.5	876	364	203.7	319
Dec	2,242	726.1	1,963	1,723	503.0	1,509	519	223.1	454
Year	14,944	726.1	12,698	10,339	503.0	8,819	4,604	223.1	3,879
CO ₂	0	lbs/yr		0	lbs/yr		0	lbs/yr	

Annual Totals	Energy	Demand	Cost	Cost/sqft	Virtual Rate
Electricity	194,009 kWh	61 kW	\$ 35,767	\$ 0.74 /sqft	\$ 0.18 /kWh
Natural Gas	10,339 therms	503 kBtu/hr	\$ 8,819	\$ 0.18 /sqft	\$ 0.85 /therm
		Total	\$ 44,586	\$ 0.93 /sqft	

Avoided CO₂ Emissions: 0 lbs/yr

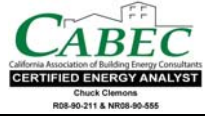
PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) **PERF-1C**

Project Name <i>Transbay Block 11A (Res. Units)</i>			Date <i>6/17/2011</i>
Project Address <i>Essex Street San Francisco</i>	Climate Zone <i>CA Climate Zone 03</i>	Total Cond. Floor Area <i>48,138</i>	Addition Floor Area <i>n/a</i>

GENERAL INFORMATION

Building Type:	<input type="checkbox"/> Nonresidential	<input checked="" type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Hotel/Motel Guest Room
	<input type="checkbox"/> Relocatable - indicate	<input type="checkbox"/> specific climate zone	<input type="checkbox"/> all climates
Phase of Construction:	<input checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Addition	<input type="checkbox"/> Alteration

STATEMENT OF COMPLIANCE
 This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a Building using the performance compliance approach.



The documentation author hereby certifies that the documentation is accurate and complete.

Documentation Author

Name <i>Chuck Clemons</i>	Signature
Company <i>Energy Calc Co.</i>	Date <i>6/17/2011</i>
Address <i>45 Mitchell Blvd. #16</i>	Phone <i>(415) 457-0990</i>
City/State/Zip <i>San Rafael, Ca. 94903</i>	

The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110, 116 through 118, and 140 through 149 of Title 24, Part 6. Please check one:

ENV. LTG. MECH.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Principal Envelope Designer

Name	Signature
Company	Date
Address	License #
City/State/Zip	Phone

Principal Mechanical Designer

Name <i>David Penney</i>	Signature
Company <i>DPC Consulting Engineers, Inc.</i>	Date
Address <i>1504 Encinal Ave. Suite D</i>	License #
City/State/Zip <i>Alameda, Ca. 94501-4081</i>	Phone <i>(510) 521-7000</i>

Principal Lighting Designer

Name	Signature
Company <i>Lighting Compliance Not In The Scope Of This Submittal</i>	Date
Address	License #
City/State/Zip	Phone

INSTRUCTIONS TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included)

<input checked="" type="checkbox"/> ENV-1C	Certificate of Compliance. Required on plans.	<input checked="" type="checkbox"/> MECH-1C	Certificate of Compliance. Required on plans.
<input type="checkbox"/> LTG-1C	Certificate of Compliance. Required on plans.	<input checked="" type="checkbox"/> MECH-2C	Air/Water Side/Service Hot Water & Pool Requirements.
<input type="checkbox"/> LTG-2C	Lighting Controls Credit Worksheet.	<input checked="" type="checkbox"/> MECH-3C	Mechanical Ventilation and Reheat.
<input type="checkbox"/> LTG-3C	Indoor Lighting Power Allowance.	<input checked="" type="checkbox"/> MECH-5C	Mechanical Equipment Details.

PERFORMANCE CERTIFICATE OF COMPLIANCE

(Part 2 of 3)

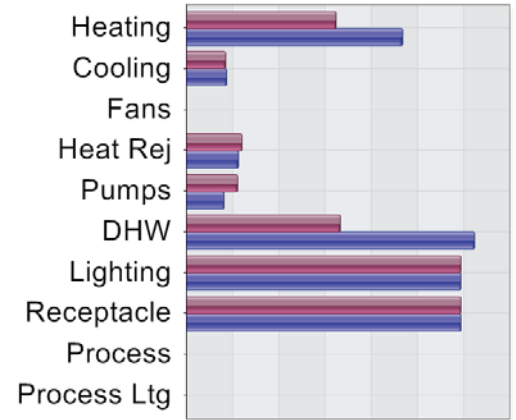
PERF-1C

Project Name
Transbay Block 11A (Res. Units)

Date
6/17/2011

ANNUAL TDV ENERGY USE SUMMARY (kBtu/sqft-yr)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	23.39	16.20	7.20
Space Cooling	4.35	4.23	0.13
Indoor Fans	0.00	0.00	0.00
Heat Rejection	5.63	6.03	-0.40
Pumps & Misc.	4.11	5.57	-1.45
Domestic Hot Water	31.16	16.63	14.52
Lighting	29.73	29.73	0.00
Receptacle	29.73	29.73	0.00
Process	0.00	0.00	0.00
Process Lighting	0.00	0.00	0.00
TOTALS	128.11	108.11	19.99



Percent better than Standard 15.6% (15.6% excluding process)

BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation	(W) 248 deg	Conditioned Floor Area	48,138 sqft.
Number of Stories	8	Unconditioned Floor Area	0 sqft.
Number of Systems	132	Conditioned Footprint Area	1,440 sqft.
Number of Zones	8	Natural Gas Available On Site	Yes

	Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	(W)	5,328 sqft.	432 sqft.	8.1 %
Left Elevation	(N)	12,582 sqft.	3,618 sqft.	28.8 %
Rear Elevation	(E)	5,328 sqft.	432 sqft.	8.1 %
Right Elevation	(S)	8,730 sqft.	3,492 sqft.	40.0 %
Total		31,968 sqft.	7,974 sqft.	24.9 %
Roof		7,428 sqft.	0 sqft.	0.0 %

Prescriptive Lighting Power Density	Standard: 0.000 W/sqft.	Proposed: 0.000 W/sqft.	Prescriptive Values for Comparison only. See LTG-1C for allowed LPD.
Prescriptive Envelope TDV Energy	Standard: 940,237	Proposed: 647,616	

Remarks:

BUILDING ENERGY ANALYSIS REPORT

PROJECT:

Transbay Block 11A (non res)
Essex Street
San Francisco, CA

Report Prepared by:

Chuck Clemons
Energy Calc Co.
45 Mitchell Blvd. #16
San Rafael, Ca. 94903
(415) 457-0990

Job Number:

0426TB11NR

Date:

6/17/2011

The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2008 Building Energy Efficiency Standards.

This program developed by EnergySoft, LLC – www.energysoft.com.

ENERGY USE AND COST SUMMARY

ECON-1

Project Name: *Transbay Block 11A (non res)* Date: *11/17/2014*

Rate: <i>PG&E A-1</i>			Fuel Type: <i>Electricity</i>						
	STANDARD			PROPOSED			MARGIN		
	Energy Use (kWh)	Peak Demand (kW)	Cost (\$)	Energy Use (kWh)	Peak Demand (kW)	Cost (\$)	Energy Use (kWh)	Peak Demand (kW)	Cost (\$)
Jan	15,519	52.9	2,185	18,146	54.8	2,554	-2,627	-1.9	-369
Feb	13,891	60.2	1,957	15,705	57.4	2,212	-1,814	2.8	-255
Mar	15,866	62.2	2,234	17,877	61.5	2,516	-2,012	0.6	-282
Apr	16,654	63.9	2,345	18,732	69.6	2,636	-2,078	-5.7	-292
May	17,950	73.2	3,959	20,161	82.6	4,445	-2,210	-9.4	-486
Jun	18,048	68.5	3,980	20,687	76.8	4,561	-2,639	-8.4	-581
Jul	19,692	75.6	4,342	22,378	86.7	4,933	-2,686	-11.1	-591
Aug	19,471	73.7	4,294	21,997	83.2	4,849	-2,526	-9.5	-556
Sep	18,210	74.9	4,016	20,370	88.1	4,491	-2,159	-13.2	-475
Oct	18,220	72.7	4,018	20,019	82.3	4,414	-1,799	-9.6	-396
Nov	14,750	60.3	2,078	16,380	66.3	2,306	-1,629	-6.0	-229
Dec	14,980	50.3	2,110	17,771	56.4	2,501	-2,791	-6.0	-392
Year	203,251	75.6	37,518	230,222	88.1	42,421	-26,971	-12.5	-4,903
CO ₂	0	lbs/yr		0	lbs/yr		0	lbs/yr	

Rate: <i>PG&E G-NR1</i>			Fuel Type: <i>Natural Gas</i>						
	STANDARD			PROPOSED			MARGIN		
	Energy Use (therms)	Peak Demand (kBtu/hr)	Cost (\$)	Energy Use (therms)	Peak Demand (kBtu/hr)	Cost (\$)	Energy Use (therms)	Peak Demand (kBtu/hr)	Cost (\$)
Jan	1,110	755.9	972	0	0.0	10	1,110	755.9	962
Feb	666	583.0	583	0	0.0	10	666	583.0	572
Mar	614	583.5	538	0	0.0	10	614	583.5	527
Apr	464	450.5	377	0	0.0	10	464	450.5	366
May	283	392.2	230	0	0.0	10	283	392.2	220
Jun	132	264.3	107	0	0.0	10	132	264.3	97
Jul	114	245.8	92	0	0.0	10	114	245.8	82
Aug	124	220.8	101	0	0.0	10	124	220.8	90
Sep	100	241.5	81	0	0.0	10	100	241.5	71
Oct	213	403.2	174	0	0.0	10	213	403.2	163
Nov	490	584.6	429	0	0.0	10	490	584.6	419
Dec	1,090	731.9	955	0	0.0	10	1,090	731.9	944
Year	5,399	755.9	4,639	0	0.0	125	5,399	755.9	4,514
CO ₂	0	lbs/yr		0	lbs/yr		0	lbs/yr	

Annual Totals	Energy	Demand	Cost	Cost/sqft	Virtual Rate
<i>Electricity</i>	230,222 kWh	88 kW	\$ 42,421	\$ 1.95 /sqft	\$ 0.18 /kWh
<i>Natural Gas</i>	0 therms	0 kBtu/hr	\$ 125	\$ 0.01 /sqft	\$ 0.00 /therm
		Total	\$ 42,546	\$ 1.96 /sqft	

Avoided CO₂ Emissions: 0 lbs/yr

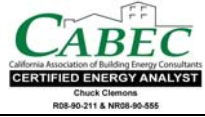
PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) **PERF-1C**

Project Name <i>Transbay Block 11A (non res)</i>			Date <i>6/17/2011</i>
Project Address <i>Essex Street San Francisco</i>	Climate Zone <i>CA Climate Zone 03</i>	Total Cond. Floor Area <i>21,700</i>	Addition Floor Area <i>n/a</i>

GENERAL INFORMATION

Building Type:	<input checked="" type="checkbox"/> Nonresidential	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Hotel/Motel Guest Room
	<input type="checkbox"/> Relocatable - indicate	<input type="checkbox"/> specific climate zone	<input type="checkbox"/> all climates
Phase of Construction:	<input checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Addition	<input type="checkbox"/> Alteration

STATEMENT OF COMPLIANCE
 This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a Building using the performance compliance approach.



The documentation author hereby certifies that the documentation is accurate and complete.

Documentation Author

Name <i>Chuck Clemons</i>	Signature
Company <i>Energy Calc Co.</i>	Date <i>6/17/2011</i>
Address <i>45 Mitchell Blvd. #16</i>	Phone <i>(415) 457-0990</i>
City/State/Zip <i>San Rafael, Ca. 94903</i>	

The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110, 116 through 118, and 140 through 149 of Title 24, Part 6. Please check one:

ENV. LTG. MECH.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
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Principal Envelope Designer

Name	Signature
Company	Date
Address	License #
City/State/Zip	Phone

Principal Mechanical Designer

Name <i>David Penney</i>	Signature
Company <i>DPC Consulting Engineers, Inc.</i>	Date
Address <i>1504 Encinal Ave. Suite D</i>	License #
City/State/Zip <i>Alameda, Ca. 94501-4081</i>	Phone <i>(510) 521-7000</i>

Principal Lighting Designer

Name	Signature
Company <i>Lighting Compliance Not In The Scope Of This Submittal</i>	Date
Address	License #
City/State/Zip	Phone

INSTRUCTIONS TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included)

<input checked="" type="checkbox"/> ENV-1C	Certificate of Compliance. Required on plans.	<input checked="" type="checkbox"/> MECH-1C	Certificate of Compliance. Required on plans.
<input type="checkbox"/> LTG-1C	Certificate of Compliance. Required on plans.	<input checked="" type="checkbox"/> MECH-2C	Air/Water Side/Service Hot Water & Pool Requirements.
<input type="checkbox"/> LTG-2C	Lighting Controls Credit Worksheet.	<input checked="" type="checkbox"/> MECH-3C	Mechanical Ventilation and Reheat.
<input type="checkbox"/> LTG-3C	Indoor Lighting Power Allowance.	<input checked="" type="checkbox"/> MECH-5C	Mechanical Equipment Details.

PERFORMANCE CERTIFICATE OF COMPLIANCE

(Part 2 of 3)

PERF-1C

Project Name

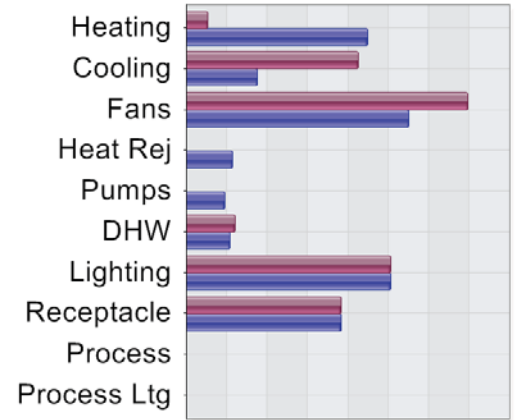
Transbay Block 11A (non res)

Date

6/17/2011

ANNUAL TDV ENERGY USE SUMMARY (kBtu/sqft-yr)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	44.83	5.30	39.52
Space Cooling	17.57	42.54	-24.97
Indoor Fans	55.05	69.64	-14.59
Heat Rejection	11.53	0.00	11.53
Pumps & Misc.	9.44	0.00	9.44
Domestic Hot Water	10.86	12.06	-1.20
Lighting	50.61	50.61	0.00
Receptacle	38.23	38.23	0.00
Process	0.00	0.00	0.00
Process Lighting	0.00	0.00	0.00
TOTALS	238.11	218.38	19.73



Percent better than Standard 8.3 % (8.3 % excluding process)

BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation	(W) 248 deg	Conditioned Floor Area	21,700	sqft.
Number of Stories	8	Unconditioned Floor Area	0	sqft.
Number of Systems	7	Conditioned Footprint Area	12,158	sqft.
Number of Zones	15	Natural Gas Available On Site	Yes	

	Orientation	Gross Area	sqft.	Glazing Area	sqft.	Glazing Ratio
Front Elevation	(W)	2,065	sqft.	1,427	sqft.	69.1 %
Left Elevation	(N)	5,391	sqft.	1,132	sqft.	21.0 %
Rear Elevation	(E)	2,785	sqft.	711	sqft.	25.5 %
Right Elevation	(S)	2,094	sqft.	701	sqft.	33.5 %
Total		12,335	sqft.	3,971	sqft.	32.2 %
Roof		6,170	sqft.	231	sqft.	3.7 %

	Standard	Proposed	Prescriptive Values for Comparison only. See LTG-1C for allowed LPD.
Prescriptive Lighting Power Density	0.816	0.816	W/sqft.
Prescriptive Envelope TDV Energy	436,214	756,633	

Remarks:

Variable reffridgerant volume system modeled as packaged minimum efficiency heat pump as per CEC.

PERFORMANCE CERTIFICATE OF COMPLIANCE

(Part 3 of 3)

PERF-1C

Project Name

Transbay Block 11A (non res)

Date

6/17/2011

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sqft.)	Inst. LPD (W/sf) ¹	Ctrl. Credits (W/sf) ²	Allowed LPD		Proc. Loads (W/sf)
						Area (W/sf) ³	Tailored (W/sf) ⁴	
HP-1	Tenant Space A	Tenant Lease Space	876	*1.000				
HP-2	Tenant Space B1	Tenant Lease Space	903	*1.000				
HP-3	Tenant Space B2	Tenant Lease Space	863	*1.000				
HP-4	Tenant Space C	Tenant Lease Space	756	*1.000				
VRV-1	FC-1 Zone	Convention/Conference/Mee	540	*1.400				
	FC-2 Zone	Corridor/Restroom/Support	3,028	*0.600				
	FC-3 Zone	Convention/Conference/Mee	1,093	*1.400				
	FC-4 Zone	Kitchen, Food Preparation	494	*1.600				
	FC-5 Zone	Comp Bldg Office	757	*0.850				
	FC-6 Zone	Lobby, Main Entry	364	*1.500				
	FC-7 Zone	Office <= 250 sqft	624	*1.100				
	FC-8 Zone	Convention/Conference/Mee	221	*1.400				
	FC-9 Zone	Office <= 250 sqft	460	*1.100				
	FC-10 Zone	Comp Bldg Office	1,179	*0.850				
Corr. Ventilation Units MU-1	Tempered Residential Units	Corridor/Restroom/Support	9,542	*0.600				

Notes: 1. See LTG-1C (items marked with asterisk, see LTG-1-C by others) 2. See LTG-2C 3. See LTG-3C (by others) 4. See LTG-4C Items above require special documentation

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justifications, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Multiple Dwelling Units are served by a common water heater. Verify DHW details.

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp _____



ENERGY STAR[®] Statement of Energy Design Intent (SEDI)¹

Rene Cazenave Apartments

LEARN MORE AT
energystar.gov

N/A

Primary Property Function: Multifamily Housing

Gross Floor Area (ft²): 74,723

Estimated Date of Certification of Occupancy: _____

Date Generated: November 17, 2014

ENERGY STAR[®]
Design Score²

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

Property Address Rene Cazenave Apartments Block 11A San Francisco, California 94107-1312	Project Architect _____ () - _____	Owner Contact _____ () - _____
Property ID: 4229508	Architect Of Record _____ () - _____	Property Owner _____ () - _____

Estimated Design Energy

Fuel Type	Usage	Energy Rate (\$/Unit)
Electric - Grid	424,231 kWh (thousand Watt-hours)	\$ 0.18/kWh (thousand Watt-hours)
Natural Gas	10,339 therms	\$ 0.85/therms

Estimated Design Use Details

Multifamily Housing		Office	
Gross Floor Area	50,002 Sq. Ft.	Gross Floor Area	21,326 Sq. Ft.
Number of Laundry Hookups In Common Area(s)	12	Percent That Can Be Cooled	60 % or more
Number of Residential Living Units in a Mid-rise Setting (5-9 stories)	120	Percent That Can Be Heated	50 % or more
Percent That Can Be Cooled	10	Number of Computers	10
Government Subsidized Housing	Yes	Number of Workers on Main Shift	10
Total Number of Residential Living Units	120	Weekly Operating Hours	40
Number of Bedrooms	120		
Number of Residential Living Units in a Low-rise Setting (1-4 stories)	0		
Number of Residential Living Units in a High-rise Setting (10 or more stories)	0		
Percent That Can Be Heated	All of it - 100%		
Resident Population Type	Dedicated Special Accessibility Needs		
Number of Laundry Hookups in All Units	0		
Retail Store			
Gross Floor Area	3,395 Sq. Ft.		
Percent That Can Be Cooled	All of it - 100%		

Number of Open or Closed Refrigeration/Freezer Units	0
Percent That Can Be Heated	All of it - 100%
Number of Computers	6
Exterior Entrance to the Public	Yes
Single Store	No
Number of Walk-in Refrigeration/Freezer Units	0
Number of Workers on Main Shift	6
Number of Cash Registers	4
Weekly Operating Hours	40

Design Energy and Emission Results

Metric	Design Project	Median Property	Estimated Savings
ENERGY STAR Score (1-100)	N/A	50	N/A
Energy Reduction (from Median)(%)	-41.1	0	N/A
Source Energy Use Intensity (kBtu/ft ² /yr)	75	127	52
Site Energy Use Intensity (kBtu/ft ² /yr)	33	56	23
Source Energy Use (kBtu/yr)	5,630,670	9,559,327	3,928,657
Site Energy Use (kBtu/yr)	2,481,376	4,212,693	1,731,317
Energy Costs (\$)	85,149	144,560	59,411
Total GHG Emissions (Metric Tons CO ₂ e)	172	293	121

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: _____

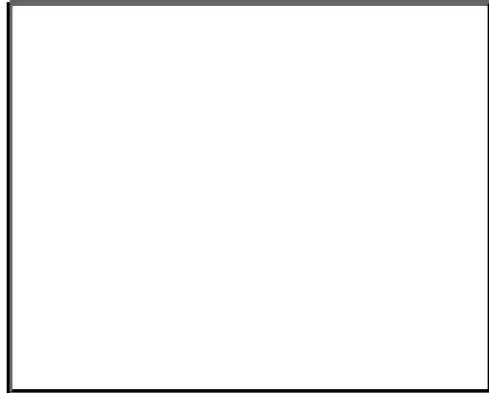
Professional Verification

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

Signature: _____ Date: _____

Verifying Professional

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() - _____



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

**Verifying Professional Stamp
(if applicable)**