

# Total Emissions Summary Report

## University of California, Santa Barbara

### (Emissions from California operations)



Report Generated On: 09/15/2008 10:57 am PT

Report Revision #: 2

Santa Barbara, CA 93106 United States

sustainability.ucsb.edu

805-893-8367

jill.richardson@vcadmin.ucsb.edu

Contact: Jill Richardson

Industry Type: Education - University

NAIC Code:

SIC Code:

Description: University of California Santa Barbara is a 1,055 acre campus with many types of buildings such as administration, light and heavy research, as well as campus housing, residence halls, and off-campus reserves.

Primary Calculation

Methodologies:

Organizational structure disclosure:

Legend	
<b>Blue</b>	= required
<b>Orange</b>	= optional

#### VERIFIED EMISSIONS INFORMATION

Reporting Year: **2006**  
 Reporting Scope: **CA**  
 Reporting Protocol: General Reporting Protocol, Version 2.2 (March 2007)  
 Reporting Boundaries:  
 Direct Baseline Year  
 Indirect Baseline Year

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	<b>1,120.61</b>	1,120.61	0.00	0.00	0.00	0.00	0.00	metric ton
Stationary Combustion	<b>18,790.22</b>	18,790.22	0.00	0.00	0.00	0.00	0.00	metric ton
Process Emissions	<b>0.00</b>	0.00	0.00	0.00	0.00	0.00	0.00	-
Fugitive Emissions	<b>0.00</b>	0.00	0.00	0.00	0.00	0.00	0.00	-
<b>TOTAL DIRECT</b>	<b>19,910.83</b>	19,910.83	0.00	0.00	0.00	0.00	0.00	metric ton

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	<b>33,853.33</b>	33,853.33	0.00	0.00	metric ton
Purchased Steam	<b>0.00</b>	0.00	0.00	0.00	-
Purchased Heating and Cooling	<b>0.00</b>	0.00	0.00	0.00	-
<b>TOTAL INDIRECT</b>	<b>33,853.33</b>	33,853.33	0.00	0.00	metric ton

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De Minimis Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
	<b>99.00</b>	99.00	0.00	0.00	0.00	0.00	0.00	metric ton
TOTAL DEMINIMIS	<b>99.00</b>	99.00	0.00	0.00	0.00	0.00	0.00	metric ton
Percentage of Total Inventory:	0.18 %							

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### Movement Report\*

Factor	Details	Amount (CO2e)	Unit
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\*The Movement Report documents changes in the members inventory. This data is not verified but must be completed by the member to help track changes in emissions over time.

### VERIFICATION INFORMATION

Verification Company: Ryerson, Master & Associates, Inc.  
 Verifier Name: Ryerson, Master and Associates, Inc.  
 Lead Verifier Name: Rachel Pelc  
 Basis of Verification Opinion: University of California, Santa Barbara (UCSB) submitted their Year 2006 Greenhouse Gas emission inventory report to Ryerson, Master and Associates, Inc., (RMA) for certification. RMA reviewed the emission inventory against the Registry's General Reporting Protocol, Version 2.2. RMA followed the procedures outlined in the Registry's Certification Protocol (dated July 2003) to complete the certification process. The certification activities were conducted during July through September 2007.

On September 5, 2007, RMA issued a Certification Report to UCSB documenting the certification activities and the immaterial misstatements in the UCSB inventory. No material misstatements were identified. UCSB revised the emission inventory in CARROT to address the immaterial misstatements identified in the Certification Report. RMA reviewed the revised emission inventory in CARROT and issued a Certification Opinion to UCSB on September 18, 2007. RMA completed the Certification Activities Checklist and completed the certification in CARROT on September 18, 2007.

Date Submitted:  
09/18/07 02:32 pm

Verifier Comments:

### OPTIONAL INFORMATION

Information in this section is voluntarily provided by the participant for public information, but is not required and thus, not verified under California Registry protocols.

# Total Emissions Summary Report

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Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
	<b>0.00</b>	0.00	0.00	0.00	0.00	0.00	0.00	-
TOTAL OPTIONAL	<b>0.00</b>	0.00	0.00	0.00	0.00	0.00	0.00	-

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

**Emissions Efficiency metric:**

**Emissions Management Programs:**

**Emissions Reduction Projects:**

**Emissions Reduction Goals:**

**REFERENCE DOCUMENTS**

Title	Author	Document Status	Publish Date
<a href="#">Certification Activities Checklist - UCSB CY2007</a>	Ryerson, Master and Associates, Inc.	Private	09/18/2007 12:00:00AM

# Total Emissions Summary Report

## University of California, Santa Barbara

### (Emissions from California operations)



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#### FACILITY INFORMATION

Facility Name: **Main Campus and Auxiliary Natural Gas Usage**  
 Facility ID:  
 ReportingYear: 2006  
 Facility Address: Santa Barbara, CA 93106, United States  
 Facility PO Box:  
 Facility Contact Person: Jill Richardson  
 Facility Contact Phone: 805.893.8367  
 Facility Contact Email: jill.richardson@vcdadmin.ucsb.edu  
 Facility Description:  
 SIC Code:  
 NAIC Code:  
 Industry Type:

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Stationary Combustion	16,861.96	16,861.96	0.00	0.00	0.00	0.00	0.00	metric ton
Process Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Fugitive Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
<b>TOTAL DIRECT</b>	<b>16,861.96</b>	16,861.96	0.00	0.00	0.00	0.00	0.00	metric ton

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	0.00	0.00	0.00	0.00	-
Purchased Steam	0.00	0.00	0.00	0.00	-
Purchased Heating and Cooling	0.00	0.00	0.00	0.00	-
<b>TOTAL INDIRECT</b>	<b>0.00</b>	0.00	0.00	0.00	-

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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Percentage of Total Inventory:

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
TOTAL OPTIONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

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**Facility Emission Reduction Goals:**  
**Environmental Programs/Policies:**  
**Other Public Information:**  
**Primary Calculation Methodologies:**  
**Equity Share:** 100.00

Source	Emission Category	Calc Method	Fuel Name	Fuel/Mileage	Emission Factor	Fract. GHG Oxid.	GHG	Amount	Unit	Methodol./Source	General Info
Auxiliary and reserve natural gas	Stationary Combustion	CARROT	Natural Gas	21401 therm	5.28 kg/therm	100	CO2	112.97	metric ton		
Main campus natural gas meter	Stationary Combustion	CARROT	Natural Gas	3173060 therm	5.28 kg/therm	100	CO2	16,749.00	metric ton		

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#### FACILITY INFORMATION

Facility Name **Main Campus and Auxliary Electrical Usage**  
 Facility ID  
 ReportingYear 2006  
 Facility Address Santa Barbara, CA 93106-1030, United States  
 Facility PO Box  
 Facility Contact Person Perrin Pellegrin  
 Facility Contact Phone 805-893-2661 x2208  
 Facility Contact Email perrin.pellegrin@dcs.ucsb.edu  
 Facility Description  
 SIC Code  
 NAIC Code  
 Industry Type

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Stationary Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Process Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Fugitive Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
<b>TOTAL DIRECT</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-</b>

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	32,264.63	32,264.63	0.00	0.00	metric ton
Purchased Steam	0.00	0.00	0.00	0.00	-
Purchased Heating and Cooling	0.00	0.00	0.00	0.00	-
<b>TOTAL INDIRECT</b>	<b>32,264.63</b>	<b>32,264.63</b>	<b>0.00</b>	<b>0.00</b>	<b>metric ton</b>

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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Percentage of Total Inventory:

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
<b>TOTAL OPTIONAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-</b>

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

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**Facility Emission Reduction Goals:**  
**Environmental Programs/Policies:**  
**Other Public Information:**  
**Primary Calculation Methodologies:**  
**Equity Share:** 100.00

Source	Emission Category	Calc Method	Fuel Name	Fuel/Mileage	Emission Factor	Fract. GHG Oxid.	GHG	Amount	Unit	Methodol./Source	General Info
12 kV main campus elec meter	Purchased Electricity	CARROT		55996020 KWh	0.81 lb/KWh		CO2	20,446.83	metric ton		
16kV main campus elec meter	Purchased Electricity	CARROT		31251 MWh	804.54 lb/MWh		CO2	11,404.72	metric ton		
Auxiliary and reserve electrical	Purchased Electricity	CARROT		1131261 KWh	0.81 lb/KWh		CO2	413.08	metric ton		

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#### FACILITY INFORMATION

Facility Name: **Marine Vessels**  
 Facility ID:  
 ReportingYear: 2006  
 Facility Address: Santa Barbara, CA 93106, United States  
 Facility PO Box:  
 Facility Contact Person: Jill Richardson  
 Facility Contact Phone: (805) 893-8367  
 Facility Contact Email: jill.richardson@vadmin.ucsb.edu  
 Facility Description:  
 SIC Code:  
 NAIC Code:  
 Industry Type:

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Stationary Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Process Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Fugitive Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
<b>TOTAL DIRECT</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-</b>

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	0.00	0.00	0.00	0.00	-
Purchased Steam	0.00	0.00	0.00	0.00	-
Purchased Heating and Cooling	0.00	0.00	0.00	0.00	-
<b>TOTAL INDIRECT</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-</b>

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
<b>TOTAL DEMINIMIS</b>	<b>99.00</b>	<b>99.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>metric ton</b>
Percentage of Total Inventory:	100.00%							

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Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
<b>TOTAL OPTIONAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-</b>

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

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### (Emissions from California operations)



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**Facility Emission Reduction Goals:**  
**Environmental Programs/Policies:**  
**Other Public Information:**  
**Primary Calculation Methodologies:**  
**Equity Share:** 100.00

Source	Emission Category	Calc Method	Fuel Name	Fuel/Mileage	Emission Factor	Fract. Oxid.	GHG	Amount	Unit	Methodol./Source	General Info
	Mobile Combustion	CARROT	CA Reformulated Gasoline, 5.7% Ethanol	11579 gallon	8.55 kg/gallon	100	CO2	99.00	metric ton		

# Total Emissions Summary Report

## University of California, Santa Barbara

### (Emissions from California operations)



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#### FACILITY INFORMATION

Facility Name: **Off campus housing natural gas**  
 Facility ID:  
 ReportingYear: 2006  
 Facility Address: Santa Barbara, CA 93106-1030, United States  
 Facility PO Box:  
 Facility Contact Person: Perrin Pellegrin  
 Facility Contact Phone: 805-893-2661 x2208  
 Facility Contact Email: perrin.pellegrin@dcs.ucsb.edu  
 Facility Description:  
 SIC Code:  
 NAIC Code:  
 Industry Type:

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Stationary Combustion	1,928.26	1,928.26	0.00	0.00	0.00	0.00	0.00	metric ton
Process Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Fugitive Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
<b>TOTAL DIRECT</b>	<b>1,928.26</b>	1,928.26	0.00	0.00	0.00	0.00	0.00	metric ton

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Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	0.00	0.00	0.00	0.00	-
Purchased Steam	0.00	0.00	0.00	0.00	-
Purchased Heating and Cooling	0.00	0.00	0.00	0.00	-
<b>TOTAL INDIRECT</b>	<b>0.00</b>	0.00	0.00	0.00	-

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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Percentage of Total Inventory:

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
TOTAL OPTIONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

# Total Emissions Summary Report

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**Facility Emission Reduction Goals:**  
**Environmental Programs/Policies:**  
**Other Public Information:**  
**Primary Calculation Methodologies:**  
**Equity Share:** 100.00

Source	Emission Category	Calc Method	Fuel Name	Fuel/ Mileage	Emission Factor	Fract. GHG Oxid.	GHG	Amount	Unit	Methodol./ Source	General Info
El Dorado, 1st meter	Stationary Combustion	CARROT	Natural Gas	3961 therm	5.28 kg/therm	100	CO2	20.91	metric ton		
El Dorado, 2nd meter	Stationary Combustion	CARROT	Natural Gas	18459 therm	5.28 kg/therm	100	CO2	97.44	metric ton		
FT Gas	Stationary Combustion	CARROT	Natural Gas	132809 therm	5.28 kg/therm	100	CO2	701.03	metric ton		
Santa Ynez	Stationary Combustion	Pre-Calc					CO2	306.00	metric ton		
Storke Gas	Stationary Combustion	CARROT	Natural Gas	143581 therm	5.28 kg/therm	100	CO2	757.89	metric ton		
Westgate	Stationary Combustion	CARROT	Natural Gas	8523 therm	5.28 kg/therm	100	CO2	44.99	metric ton		

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#### FACILITY INFORMATION

Facility Name **Off-Campus Housing Electrical Usage**  
 Facility ID  
 ReportingYear 2006  
 Facility Address Santa Barbara, CA 93106-1030, United States  
 Facility PO Box  
 Facility Contact Person Jill Richardson  
 Facility Contact Phone 805-8938367  
 Facility Contact Email jill.richardson@vcadmin.ucsb.edu  
 Facility Description  
 SIC Code  
 NAIC Code  
 Industry Type

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Stationary Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Process Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Fugitive Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
<b>TOTAL DIRECT</b>	<b>0.00</b>	0.00	0.00	0.00	0.00	0.00	0.00	-

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	1,588.70	1,588.70	0.00	0.00	metric ton
Purchased Steam	0.00	0.00	0.00	0.00	-
Purchased Heating and Cooling	0.00	0.00	0.00	0.00	-
<b>TOTAL INDIRECT</b>	<b>1,588.70</b>	1,588.70	0.00	0.00	metric ton

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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Percentage of Total Inventory:

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
<b>TOTAL OPTIONAL</b>	<b>0.00</b>	0.00	0.00	0.00	0.00	0.00	0.00	-

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

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**Facility Emission Reduction Goals:**  
**Environmental Programs/Policies:**  
**Other Public Information:**  
**Primary Calculation Methodologies:**  
**Equity Share:** 100.00

Source	Emission Category	Calc Method	Fuel Name	Fuel/Mileage	Emission Factor	Fract. GHG Oxid.	GHG	Amount	Unit	Methodol./Source	General Info
Francisco Torres	Purchased Electricity	CARROT		2760555 KWh	0.81 lb/KWh		CO2	1,008.01	metric ton		
Santa Ynez and El Dorado	Purchased Electricity	Pre-Calc					CO2	282.05	metric ton		
West Campus	Purchased Electricity	CARROT		727050 KWh	0.81 lb/KWh		CO2	265.48	metric ton		
Westgate Housing	Purchased Electricity	CARROT		90800 KWh	0.81 lb/KWh		CO2	33.16	metric ton		

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#### FACILITY INFORMATION

Facility Name **Transportation Fuel Usage**  
 Facility ID  
 ReportingYear 2006  
 Facility Address Santa Barbara, CA 93106, United States  
 Facility PO Box  
 Facility Contact Person Jill Richardson  
 Facility Contact Phone 805 893-8367  
 Facility Contact Email jill.richardson@vcdadmin.ucsb.edu  
 Facility Description  
 SIC Code  
 NAIC Code  
 Industry Type

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	1,120.61	1,120.61	0.00	0.00	0.00	0.00	0.00	metric ton
Stationary Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Process Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Fugitive Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
<b>TOTAL DIRECT</b>	<b>1,120.61</b>	<b>1,120.61</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>metric ton</b>

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	0.00	0.00	0.00	0.00	-
Purchased Steam	0.00	0.00	0.00	0.00	-
Purchased Heating and Cooling	0.00	0.00	0.00	0.00	-
<b>TOTAL INDIRECT</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-</b>

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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Percentage of Total Inventory:

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
TOTAL OPTIONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-

\* HFCs and PFCs are classes of greenhouse gases that include many compounds. These columns may reflect the total emissions of multiple HFC and PFC compounds, each of which has a unique Global Warming Potential (GWP). Emissions of each gas are first multiplied by their respective GWP and then summed in the total CO2-equivalent column.

# Total Emissions Summary Report

## University of California, Santa Barbara

### (Emissions from California operations)



Report Generated On: 09/15/2008 10:57 am PT

Report Revision #: 2

**Facility Emission Reduction Goals:**  
**Environmental Programs/Policies:**  
**Other Public Information:**  
**Primary Calculation Methodologies:**  
**Equity Share:** 100.00

Source	Emission Category	Calc Method	Fuel Name	Fuel/ Mileage	Emission Factor	Fract. GHG Oxid.	GHG	Amount	Unit	Methodol./ Source	General Info
diesel	Mobile Combustion	CARROT	CA Low Sulfur Diesel	5824 gallon	9.96 kg/gallon	100	CO2	58.01	metric ton		
gasoline	Mobile Combustion	CARROT	CA Reformulated Gasoline, 5.7% Ethanol	124281 gallon	8.55 kg/gallon	100	CO2	1,062.60	metric ton		