

University of California, Santa Barbara	Detail Report - Control (Public)	Complete Inventory 2013
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**Description:**

**Industry:**

Address: Administrative Services  
Santa Barbara, California US

Contact:

Website:

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**Reporting Information**

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Reporting Protocol: General Reporting Protocol 1.1 and associated updates and clarifications

GWP Standard: SAR

Base Year: None

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

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**Verification Information**

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Verification Body: Ruby Canyon Engineering Inc.

Level of Assurance: Reasonable

## Entity Emissions | Total in metric tons of CO2e

Scope 1 - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Stationary Combustion	21,128.07527	21,069.12939	39.40748	19.5384	0	0	0	0
Mobile Combustion	1,301.52998	1,271.11316	1.86837	28.54845	0	0	0	0
Fugitive	10.02225	0	0	0	10.02225	0	0	0
<b>Total</b>	<b>22,439.6275</b>	<b>22,340.24255</b>	<b>41.27585</b>	<b>48.08685</b>	<b>10.02225</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Purchased Electricity	27,974.39394	27,867.75792	25.71256	80.92346	0	0	0	0
<b>Total</b>	<b>27,974.39394</b>	<b>27,867.75792</b>	<b>25.71256</b>	<b>80.92346</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Biomass - Biogenic Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Mobile Biomass Combustion	85.84757	85.84757	0	0	0	0	0	0
<b>Total</b>	<b>85.84757</b>	<b>85.84757</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Optional - Optional Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Scope 3	41,351.5182	40,979.13838	21.10332	351.2765	0	0	0	0
<b>Total</b>	<b>41,351.5182</b>	<b>40,979.13838</b>	<b>21.10332</b>	<b>351.2765</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Entity Emissions | Total in metric tons of gas

Scope 1 - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	21,128.07527	21,069.12939	1.87654	0.06303	0	0	0	0
Mobile Combustion	1,301.52998	1,271.11316	0.08897	0.09209	0	0	0	0
Fugitive	10.02225	0	0	0	10.02225	0	0	0
<b>Total</b>	<b>22,439.6275</b>	<b>22,340.24255</b>	<b>1.96551</b>	<b>0.15512</b>	<b>10.02225</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity	27,974.39394	27,867.75792	1.22441	0.26104	0	0	0	0
<b>Total</b>	<b>27,974.39394</b>	<b>27,867.75792</b>	<b>1.22441</b>	<b>0.26104</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Biomass - Biogenic Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Mobile Biomass Combustion	85.84757	85.84757	0	0	0	0	0	0
<b>Total</b>	<b>85.84757</b>	<b>85.84757</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Optional - Optional Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Scope 3	41,351.5182	40,979.13838	1.00492	1.13315	0	0	0	0
<b>Total</b>	<b>41,351.5182</b>	<b>40,979.13838</b>	<b>1.00492</b>	<b>1.13315</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Simplified Estimation Methods (SEMs)

Total Estimated CO <sub>2</sub> e (t)	Total Emissions (t of CO <sub>2</sub> e)	Estimated CO <sub>2</sub> e as a Percentage of Total*
266.26223	50,499.86901	.53%
*Total based on scope 1, scope 2 & biomass emissions		

### Facility Emissions | Air Travel

Equity share - 100% | Entity controls the facility emissions - Yes  
 Accounting Services, Santa Barbara, California, 93106, US

Optional - Optional Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Scope 3	29,623.426	29,513.76748	0.29062	0.33405	0	0	0	0
<b>Total</b>	29,623.426	29,513.76748	0.29062	0.33405	0	0	0	0

## Facility Emissions | Auxiliary

Equity share - 100% | Entity controls the facility emissions - Yes

Office of Research, Santa Barbara, California, 93106, US

Scope 1 - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	1,562.20375	1,553.43065	0.03217	0.02613	0	0	0	0
<b>Total</b>	1,562.20375	1,553.43065	0.03217	0.02613	0	0	0	0

Scope 2 - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity	237.36059	236.45579	0.01039	0.00221	0	0	0	0
<b>Total</b>	237.36059	236.45579	0.01039	0.00221	0	0	0	0

## Facility Emissions | Commuting

Equity share - 100% | Entity controls the facility emissions - Yes

UCSB Social Science Survey Center, Santa Barbara, California, 93106, US

Optional - Optional Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Scope 3	11,728.0922	11,465.3709	0.7143	0.7991	0	0	0	0
<b>Total</b>	11,728.0922	11,465.3709	0.7143	0.7991	0	0	0	0

## Facility Emissions | Off Campus Housing

Equity share - 100% | Entity controls the facility emissions - Yes

Housing and Residential Services, Santa Barbara, California, 93106, US

Scope 1 - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	1,993.52429	1,988.41153	0.18793	0.00376	0	0	0	0
<b>Total</b>	1,993.52429	1,988.41153	0.18793	0.00376	0	0	0	0

Scope 2 - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity	1,115.55613	1,111.30372	0.04883	0.01041	0	0	0	0
<b>Total</b>	1,115.55613	1,111.30372	0.04883	0.01041	0	0	0	0

## Facility Emissions | UCSB Main Campus

Equity share - 100% | Entity controls the facility emissions - Yes

University of California, Santa Barbara, California, 93106-2033, US

Scope 1 - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	17,572.34723	17,527.28721	1.65644	0.03314	0	0	0	0
Mobile Combustion	1,301.52998	1,271.11316	0.08897	0.09209	0	0	0	0
Fugitive	10.02225	0	0	0	10.02225	0	0	0
<b>Total</b>	<b>18,883.89946</b>	<b>18,798.40037</b>	<b>1.74541</b>	<b>0.12523</b>	<b>10.02225</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity	26,621.47722	26,519.99841	1.16519	0.24842	0	0	0	0
<b>Total</b>	<b>26,621.47722</b>	<b>26,519.99841</b>	<b>1.16519</b>	<b>0.24842</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Biomass - Biogenic Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Mobile Biomass Combustion	85.84757	85.84757	0	0	0	0	0	0
<b>Total</b>	<b>85.84757</b>	<b>85.84757</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>