

Total Emissions Summary Report

Union of Concerned Scientists

(Emissions from CA and US operations)



Report Generated On: 08/11/2008 01:22 pm PT

Report Revision #: 0

2397 Shattuck Ave. #203
Berkeley, CA 94704-1567 United States

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510-809-1561
jboynton@ucsusa.org

Contact: Jennifer Boynton
Industry Type: Non Profit

NAIC Code:
SIC Code:

Description: UCS is an independent nonprofit alliance of more than 100,000 concerned citizens and scientists. We augment rigorous scientific analysis with innovative thinking and committed citizen advocacy to build a cleaner, healthier environment and a safer world.

UCS works in three offices, located in Cambridge, MA (Two Brattle Square, Cambridge MA 02238-9105), Washington DC (1707 H St. NW, Ste 600, Washington DC 2006-3962), and Berkeley, CA (2397 Shattuck #203, Berkeley, CA 94709).

UCS does not own any vehicles.

Primary Calculation Methodologies: Some of the indirect emissions from purchased electricity disclosed in this report were estimated based on a Registry-approved alternate methodology for estimating electricity use (GRP 3, Section III.6.2), not calculated based on metered data.

Organizational structure disclosure:

Legend	
Blue	= required
Orange	= optional

VERIFIED EMISSIONS INFORMATION

Reporting Year: **2007**
Reporting Scope: **CA and US**
Reporting Protocol: General Reporting Protocol, Version 3.0, (April 2008)
Reporting Boundaries:
Direct Baseline Year: 2002
Indirect Baseline Year: 2002

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	-
TOTAL DIRECT	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.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	180.20	179.14	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	-
TOTAL INDIRECT	180.20	179.14	0.00	0.00	metric ton

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De Minimis Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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TOTAL DEMINIMIS

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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.

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: TUV America, Inc.
 Verifier Name: n/a
 Lead Verifier Name: Lucien Cattrysse
 Basis of Verification Opinion: per GVP v3.0

Date Submitted:
 06/12/08 01:51 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.

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

Emissions Efficiency metric:

Emissions Management Programs:

Emissions Reduction Projects:

Emissions Reduction Goals:

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REFERENCE DOCUMENTS

Title	Author	Document Status	Publish Date
Verification Activity Log ucs - 2007	Lucien Cattrysse	Private	06/12/2008 12:00:00AM

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FACILITY INFORMATION

Facility Name: **Berkeley Office**
 Facility ID:
 ReportingYear: 2007
 Facility Address: 2397 Shattuck Ave. #203, Berkeley, , CA 94704, United States
 Facility PO Box:
 Facility Contact Person: Jennifer Boynton
 Facility Contact Phone: 510-809-1561
 Facility Contact Email: jboynton@ucsusa.org
 Facility Description:
 SIC Code:
 NAIC Code:
 Industry Type: Non Profit

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	-
TOTAL DIRECT	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.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	0.96	0.96	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	-
TOTAL INDIRECT	0.96	0.96	0.00	0.00	metric ton

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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TOTAL DEMINIMIS

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: We collect electricity bills from all three of our facilities and track the kwh using excel.

Equity Share: 100.00

Source	Emission Category	Calc Method	Fuel Name	Fuel/ Mileage	Emission Factor	Fract. Oxid.	GHG	Amount	Unit	Methodol./ Source	General Info
	Purchased Electricity	CARROT		4 MWh	489.16 lb/MWh		CO2	0.96	metric ton	We used the total kWh electricity usage stated on our electricity bills from PG&E for 2007. Carbon Intensity Metric for 2005 PG&E electricity delivered (lbs CO2/kWh) is 0.498155. This is more accurate for calculating CO2-E than the built-in calculator tool.	Increased accuracy due to utility-specific emissions factor.
	Purchased Electricity	CARROT		4 MWh	0.01 lb/MWh		CH4	0.00	metric ton		
	Purchased Electricity	CARROT		4 MWh	0.00 lb/MWh		N2O	0.00	metric ton		

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FACILITY INFORMATION

Facility Name: **UCS Cambridge Office**
 Facility ID:
 ReportingYear: 2007
 Facility Address: 2 Brattle Square, Cambridge, MA 02238-9105, United States
 Facility PO Box:
 Facility Contact Person: Jennifer Boynton
 Facility Contact Phone: 510-809-1561
 Facility Contact Email: jboynton@ucsusa.org
 Facility Description:
 SIC Code:
 NAIC Code:
 Industry Type: Non Profit

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	-
TOTAL DIRECT	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.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	70.02	69.62	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	-
TOTAL INDIRECT	70.02	69.62	0.00	0.00	metric ton

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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TOTAL DEMINIMIS

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.	Amount	Unit	Methodol./Source	General Info
	Purchased Electricity	CARROT		169 MWh	908.90 lb/MWh	CO2	69.62	metric ton		
	Purchased Electricity	CARROT		169 MWh	0.02 lb/MWh	CH4	0.00	metric ton		
	Purchased Electricity	CARROT		169 MWh	0.02 lb/MWh	N2O	0.00	metric ton		

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FACILITY INFORMATION

Facility Name: **UCS DC office**
 Facility ID:
 ReportingYear: 2007
 Facility Address: 1707 H St NW, Suite 600, Washington, DC 20006-3962, United States
 Facility PO Box:
 Facility Contact Person: Jennifer Boynton
 Facility Contact Phone: 510-809-1561
 Facility Contact Email: jboynton@ucsusa.org
 Facility Description:
 SIC Code:
 NAIC Code:
 Industry Type: Non Profit

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	-
TOTAL DIRECT	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.

Indirect Emissions	CO2e	CO2	CH4	N2O	Unit
Purchased Electricity	109.22	108.56	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	-
TOTAL INDIRECT	109.22	108.56	0.00	0.00	metric ton

De Minimis Detail	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
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TOTAL DEMINIMIS

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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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
	Purchased Electricity	CARROT		218 MWh	1095.53 lb/MWh		CO2	108.56	metric ton	20.4% of the total kilowatt hour totals from Pepco for the building at 1707 H Street.	
	Purchased Electricity	CARROT		218 MWh	0.01 lb/MWh		CH4	0.00	metric ton	20.4% of the total kilowatt hour totals from Pepco for the building at 1707 H Street.	
	Purchased Electricity	CARROT		218 MWh	0.02 lb/MWh		N2O	0.00	metric ton	20.4% of the total kilowatt hour totals from Pepco for the building at 1707 H Street.	