

Appendix D

Appendix D: *City and County of San Francisco Annual Emissions Report*, California Climate Action Registry. August 6, 2007.

Annual Emissions Report

Report Date: 08/06/2007 09:14 am PT



City and County of San Francisco

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Contact: Melissa Capria

Industry Type: Government – Municipal/County

NAIC Code:

SIC Code:

Description: City and County of San Francisco is a consolidated city-county.

Primary Calculation

Methodologies: EMISSIONS EFFICIENCY METRIC

Electricity Deliveries: 76.28 lbs CO2/MWh delivered (includes CO2 from owned and purchased generation)

Net Generation: 0.00 lbs CO2/MWh net owned generation (fossil, hydroelectric, nuclear, solar, DG)

Net Fossil Generation: 0.00 lbs CO2/MWh net owned fossil generation only

Legend

Blue = required

Orange = optional

CERTIFIED EMISSIONS INFORMATION

Reporting Year: 2005

Reporting Scope: CA

Reporting Protocol: General Reporting Protocol, Version 2.1 (June 2006);
Power/Utility Reporting Protocol, Version 1 (April 2005)

Baseline Year (Direct Emissions):

Baseline Year (Indirect Emissions):

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	80,881.57	80,881.57	0.00	0.00	0.00	0.00	0.00	metric ton
Stationary Combustion	102,659.93	102,659.93	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	-
TOTAL DIRECT	183,541.50	183,541.50	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	23,314.77	23,314.77	0.00	0.00	metric ton
Purchased Steam	7,041.62	7,041.62	0.00	0.00	metric ton
Purchased Heating and Cooling	0.00	0.00	0.00	0.00	-
TOTAL INDIRECT	30,356.39	30,356.39	0.00	0.00	metric ton

CERTIFICATION INFORMATION

Certification Company: ICF Consulting

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City and County of San Francisco

Basis of Certification Opinion:

ICF initiated the certification process with a kick-off meeting with CCSF's Climate Action Coordinator and CCSF staff responsible for collecting data and estimating emissions. ICF reviewed the documentation provided by CCSF and discussed the emissions sources in detail with the Climate Action Coordinator and CCSF staff. We conducted site visits to evaluate the manner in which CCSF staff collected and analyzed the data used to estimate emissions, and to observe the data systems that provided the information used to estimate emissions. We checked the data documentation with the data entered in CARROT.

Methodological issues were discussed with Registry staff to obtain guidance. In particular, the methods used to estimate emissions associated with electricity purchases were reviewed in detail.

Based on the information provided, and using the General Certification Protocol (July 2003 Version), ICF is able to certify CCSF's emissions report without qualification against a standard of the Registry's General Reporting Protocol (Version 2.1, June 2006).

OPTIONAL INFORMATION

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

Optional Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Other Indirect Emissions	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: See Comments on Certified Emissions Information

Emissions Management Programs: CCSF is a long time participant in ICLEI's Cities for Climate Protection Campaign. ICLEI's protocols and software for greenhouse gas emissions accounting has served as the foundation for CCSF's emissions management efforts. By registering our municipal emissions through CCAR we hope to build on this existing foundation and create an even more robust system for managing our ghg emissions.

Emissions Reduction Projects: The San Francisco Climate Action Plan details the efforts and plans of CCSF in working to reduce our impact on the climate. The plan is available online at: www.sfenvironment.com/aboutus/energy/cap.htm

Emissions Reduction Goals: In 2002 the San Francisco Board of Supervisors passed a resolution establishing a greenhouse gas reduction target of 20% below 1990 levels by 2012. This target applies to communitywide emissions.

REFERENCE DOCUMENTS

Title	Author	Publish Date
Climate Action Plan for San Francisco	A joint publication of the SFPUC and the SF Dept.	9/1/2004 12:00:00AM
PUP Report	CCSF	10/18/2006 12:00:00AM