

Annual Emissions Report

San Diego Gas & Electric

(Emissions from California operations)



Report Generated On: 04/14/2012 12:22 am PT

San Diego, CA 92101-3017 United States

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Contact: Darrell Johnson
Industry Type: Utility
NAIC Code: 221-Utilities
SIC Code:
Description:

Primary Calculation
Methodologies:

Organizational
structure disclosure:

Legend	
Blue	= required
Orange	= optional

VERIFIED EMISSIONS INFORMATION

Reporting Year: **2009**
Reporting Scope: **CA**
Reporting Protocol: General Reporting Protocol, Version 3.1, (January 2009);
Power/Utility Reporting Protocol, Version 1.1 (May 2009)
Reporting Boundaries: Management Control - Operational Criteria
Baseline Year (Direct Emissions): 2007
Baseline Year (Indirect Emissions): 2007

Direct Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
Mobile Combustion	18,151.43	17,697.64	1.34	1.37	0.00	0.00	0.00	metric ton
Stationary Combustion	1,255,544.69	1,254,302.48	23.72	2.40	0.00	0.00	0.00	metric ton
Process Emissions	13,074.81	0.00	622.61	0.00	0.00	0.00	0.00	metric ton
Fugitive Emissions	298,183.81	783.28	14,161.93	0.00	0.00	0.00	0.00	metric ton
TOTAL DIRECT	1,584,954.74	1,272,783.40	14,809.61	3.77	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	180,681.31	179,975.48	13.65	1.35	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	180,681.31	179,975.48	13.65	1.35	metric ton

De Minimis Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
TOTAL DEMINIMIS	8,548.30	255.00	0.00	0.00	0.00	0.00	0.35	metric ton

Percentage of Total Inventory: 0.48 %

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VERIFICATION INFORMATION

Verification Body: Ryerson, Master & Associates, Inc.

Basis of Verification Opinion: San Diego Gas and Electric (SDG&E) submitted their Year 2009 Greenhouse Gas Emissions Inventory Report to Ryerson, Master and Associates, Inc. (RMA) for review and verification against the California Registry's General Reporting Protocol, Version 3.1, and Power Generation/Electric Utility Reporting Protocol, Version 1.1. RMA followed the procedures outlined in the California Registry's General Verification Protocol, Version 3.0, and Power Generation/Electric Utility Verification Protocol, Version 1.1 to complete the verification process. The verification activities were conducted during July 2010 through January 2011.

On January 26, 2011, RMA issued a Verification Report to SDG&E documenting the verification activities, and the material and immaterial misstatements in the SDG&E inventory. SDG&E made revisions in CARROT to address the RMA findings. RMA verified the revised inventory and on January 31, 2011 issued a Verification Opinion and Verification Activity Log to SDG&E. RMA completed the verification in CARROT on January 31, 2011.

Date Submitted: 1/31/11 7:17 pm

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	-

Emissions Efficiency metric:

Emissions Management Programs: US EPA's Energy Star Program (voluntary effort)
Corporate Green Building Policy (voluntary effort)

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Emissions Reduction Projects:

Over the last 10 years, SDG&E has actively promoted energy efficiency programs. We have:

Helped customers save over 1.9 million MWh--enough electricity to power 300,000 homes for a year, reduced the electric peak load by over 400 MWs--the equivalent of a mid-size power plant, and invested almost \$460 million in energy efficiency--over \$41 million just last year, and implemented programs that have helped customers save almost 29 million therms of natural gas--enough to supply energy to over 53,000 homes for a year.

During this time, our energy efficiency programs have produced over \$200 million cost savings to customers that we serve.

2. SDG&E Green Building Policy: SDG&E has a Green Building Policy to design new company buildings and large remodel projects to Silver or better Leadership in Energy and Environmental Design (LEED) standards for energy efficient and environmentally friendly design, construction and operation.

3. SDG&E Corporate Energy Reduction Strategy:

The time to conserve energy is now.

A new 10-year goal to reduce electricity consumption by 10 percent per square foot by the year 2010 and 20 percent by 2015 is now in place at all SDG&E facilities. This electric energy conservation goal is consistent with how the State of California is measuring its energy conservation performance and is a critical step toward ensuring an adequate supply of electricity for our peak summer load. While investments in new technology and energy efficient equipment will help reduce our usage in the future, our employees conservation efforts to turn lights out whenever possible, eliminate portable heaters/fans and adjust to new thermostat settings are extremely important to ensure our success.

Emissions Reduction Goals:

Renewable Portfolio Standard:

Last year, the CPUC approved SDG&E's long-term energy resource plan, which relies on a balanced mix of resources to meet the growing energy needs of San Diego. That mix includes increased emphasis on energy efficiency, more renewable energy resources, and additional baseload generation plants and transmission capacity. SDG&E continues to aggressively pursue other renewable energy resources to fulfill its goal of supplying 20 percent of its customers' needs from sources such as wind, solar and biomass by 2010.

Just this year, SDG&E has contracted to buy 300 megawatts (MW) of solar power, with the potential to grow to 900 MW within 10 years. The project will be one of the largest solar facilities in the world when fully constructed. SDG&E also announced the purchase of approximately 4 MW of energy and capacity from a local biogas landfill project.

These purchases continue to demonstrate SDG&E's commitment to creating a balanced mix of renewable and fossil energy resources for the region.

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REFERENCE DOCUMENTS

Title	Author	Document Status	Publish Date
PUP Report	Darrell johnson	Public	01/28/2011 12:00:00AM