

Annual Emissions Report

City of Woodland

(Emissions from California operations)



Report Generated On: 11/30/2009 12:02 pm PT

300 First Street
Woodland, CA 95695 United States

www.cityofwoodland.org
530-406-5110
roberta.childers@cityofwoodland.org

Legend	
Blue	= required
Orange	= optional

Contact: Roberta Childers
Industry Type: Government – Municipal/County
NAIC Code: 92-Public Administration
SIC Code: 9199-General Government
Description: City of Woodland

Primary Calculation: Climate Action Registry General Reporting Protocol 3.0.
Methodologies: The emission factors used include: gasoline- 8.81 Diesel- 10.15 Propane- 5.74
PG&E: Electric- .635 lbs CO2 per kWh Natural Gas- 5.31 kg/therm.

Organizational structure disclosure: The City of Woodland is the seat of Yolo County. The City has approximately 350 employees serving a population of around 54,000 citizens. Woodland and the surrounding region have traditionally been a large agricultural hub of Northern California, and Yolo County is one of the largest crop producers in the state.

VERIFIED EMISSIONS INFORMATION

Reporting Year: **2008**
Reporting Scope: **CA**
Reporting Protocol: General Reporting Protocol, Version 3.1, (January 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	1,296.54	1,296.54	0.00	0.00	0.00	0.00	0.00	metric ton
Stationary Combustion	397.66	397.66	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	1,694.20	1,694.20	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	4,576.49	4,576.49	0.00	0.00	metric ton
Purchased Steam	0.00	0.00	0.00	0.00	-
Purchased Heating and Cooling	156.51	156.51	0.00	0.00	metric ton
TOTAL INDIRECT	4,733.00	4,733.00	0.00	0.00	metric ton

De Minimis Emissions	CO2e	CO2	CH4	N2O	HFCs*	PFCs*	SF6	Unit
TOTAL DEMINIMIS	0.07	0.07	0.00	0.00	0.00	0.00	0.00	metric ton

Percentage of Total Inventory: 0.00 %

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VERIFICATION INFORMATION

Verification Body: Tetra-Tech EM Inc.

Basis of Verification Opinion: Tetra Tech EM, Inc (Tetra Tech EMI) conducted an independent review of the City of Woodland's greenhouse gas emissions inventory for reporting year 2008 submitted to the California Climate Action Registry (California Registry). The inventory reported carbon dioxide emissions only. Emissions were verified against the California Registry's General Reporting Protocol (GRP) Version 3.1 (January 2009) using the procedures outlined in the California Registry's General Verification Protocol Version 3.0 (August 2008). The verification process included a review of data management systems and calculation methodologies, assessing the risk of material misstatements, and recalculating emissions estimates from primary data requested. Based on our review, Tetra Tech EMI finds that the emissions inventory is consistent with the GRP. Tetra Tech EMI verified the inventory without qualification on October 30, 2009.

Date Submitted:
10/30/09 1:06 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: The following topical areas are being researched for consideration for incorporation into the City's plans for climate action.

1. Energy Efficiency and Conservation
2. Water and Waste Water
3. Green Building and Design
4. Waste Reduction and Recycling
5. Environmentally Preferable Purchasing
6. Renewable Energy and Low-Carbon Fuels
7. Efficient Transportation
8. Land Use and Community Design
9. Storing and Offsetting Carbon Emissions
10. Promoting Community and Individual Action

Emissions Reduction Projects: The City has begun purchasing Hybrid and Flex Fuel Vehicles to lower carbon emission from mobile combustion. In general, electric tools are being encouraged instead of gas-powered equipment whenever possible. Low-flow toilets and shower heads and weather controlled irrigation systems have been installed for water conservation. New energy-efficient air conditioning units, controllers, heat pumps and coils have been installed at several City facilities. New City buildings are energy efficient, such as the new Senior/Community Center and Police Station. "Cool roofing" has been installed at City Hall, Fire Station 1 and the Library, to reduce building heat-gain and summertime air conditioning use. Pumps have been upgraded at 10 Water Wells. Wells are one of the largest energy users of the city as an entity. Projects to install solar panels and Ice Bear hybrid air conditioning units at several City facilities are being considered.

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Emissions Reduction Goals: To reduce CO2 emissions to at least the levels set forth in AB 32 if not a greater reduction.

REFERENCE DOCUMENTS

Title	Author	Document Status	Publish Date
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