

CARB Category	Prior Estimates of Methane Emission Inventories					
	Subcategory CARB (non-gridded)	Flux TgCH ₄ /yr	Subcategory Gridded to 0.1° x 0.1°	Flux TgCH ₄ /yr	Subcategory Gridded to 0.1° x 0.1°	Flux TgCH ₄ /yr
Agriculture & Forestry	Ag Energy Use	0.000	EDGAR 4.2 Fossil Fuel Fires	0.000		
	Ag Residue Burning	0.001	EDGAR 4.2 Agricultural waste burning	0.001		
	Enteric Fermentation	0.443	EDGAR 4.2 Enteric Fermentation	0.345		
	Forest and Range Management	0.008	USDA Other Cattle by County	0.258	CALGEM Non-Dairy Cows	0.314
			USDA Beef Cows by County	0.050		
			USDA Milk Cows by County	0.173		
			CARB Dairy Locations and Milk Cows	0.185	CALGEM Dairy Cows	0.232
	Manure Management	0.418	EDGAR 4.2 Manure management	0.112		
	Rice Cultivation	0.027	EDGAR 4.2 Agricultural soils	0.032	CALGEM Crop Agriculture Annual	0.026
			USDA Rice Planted by County May (x 12)	0.042	CALGEM Crop Agriculture May (x12)	0.053
			USDA Rice Planted by County June (x 12)	0.249	CALGEM Crop Agriculture June (x 12)	0.170
			EDGAR 4.2 Large scale biomass burning	0.001	CALGEM Wetlands	0.038
			GFED Fire CH ₄	0.000		
	Other	0.000	EDGAR 4.2 Fugitive from Solid	0.000		
	Sector Total	0.898	Sector Total EDGAR 4.2 with CARB/USDA substitutes	0.491 0.717	Sector Total CALGEM	0.572
Commercial	Various Sectors	0.002				
	Sector Total	0.002				
Electricity Generation	Imports	0.001				
	In state	0.004				
	Sector Total	0.005				
Industrial	CHP: Industrial	0.001				
	Landfills	0.319	EDGAR 4.2 Solid waste disposal	0.601		
	Solid Waste Treatment	0.022	CARB Landfills	0.300	CALGEM Landfills	0.304
	Manufacturing	0.004	EDGAR 4.2 Industrial process and product use	0.005		
	Mining	0.000				
	Not Specified	0.025	EDGAR 4.2 Energy manufacturing transformation	0.020		
	Oil & Gas Extraction	0.038			CALGEM Natural Gas	0.093
	Petroleum Marketing	0.000				
	Petroleum Refining	0.003	EDGAR 4.2 Oil production and refineries	0.026		
	Pipelines	0.093	EDGAR 4.2 Gas production and distribution	0.483		
	Wastewater Treatment	0.090	EDGAR 4.2 Waste water	0.153	CALGEM Wastewater	0.063
	Sector Total	0.595	Sector Total EDGAR 4.2 with CARB substitutes	1.288 0.987	Sector Total CALGEM	0.459
Residential	Household Use	0.010	EDGAR 4.2 Residential	0.026		
	Sector Total	0.010	Sector Total EDGAR 4.2	0.026		
Transportation	Aviation	0.000				
	Not Specified	0.000	EDGAR 4.2 Non-road transportation	0.000		
	On Road	0.013	EDGAR 4.2 Road transportation	0.014	CALGEM Petroleum	0.054
	Rail	0.000				
	Water-borne	0.000				
	Sector Total	0.013	Sector Total EDGAR 4.2	0.014	Sector Total CALGEM	0.054
State Totals	CARB Non-Gridded	1.523	EDGAR 4.2 Total Anthropogenic	1.819	CALGEM (not including wetlands)	1.085
			EDGAR 32FT 2000 Total Anthropogenic	2.317		
			EDGAR 4.2 with cow,rice,landfill substitutes	1.743		