

**Environmental Protection Agency**

**§ 98.42**

Fuel type	Default high heat value	Default CO <sub>2</sub> emission factor
Biomass Fuels—Liquid		kg CO <sub>2</sub> /mmBtu
Ethanol .....	0.084	68.44
Biodiesel .....	0.128	73.84
Biodiesel (100%) .....	0.128	73.84
Rendered Animal Fat .....	0.125	71.06
Vegetable Oil .....	0.120	81.55

<sup>1</sup> Use of this default HHV is allowed only for: (a) Units that combust MSW, do not generate steam, and are allowed to use Tier 1; (b) units that derive no more than 10 percent of their annual heat input from MSW and/or tires; and (c) small batch incinerators that combust no more than 1,000 tons of MSW per year.

<sup>2</sup> Reporters subject to subpart X of this part that are complying with § 98.243(d) or subpart Y of this part may only use the default HHV and the default CO<sub>2</sub> emission factor for fuel gas combustion under the conditions prescribed in § 98.243(d)(2)(i) and (d)(2)(ii) and § 98.252(a)(1) and (a)(2), respectively. Otherwise, reporters subject to subpart X or subpart Y shall use either Tier 3 (Equation C-5) or Tier 4.

[74 FR 56374, Oct. 30, 2009, as amended at 75 FR 79153, Dec. 17, 2010]

**TABLE C-2 TO SUBPART C—DEFAULT CH<sub>4</sub> AND N<sub>2</sub>O EMISSION FACTORS FOR VARIOUS TYPES OF FUEL**

Fuel type	Default CH <sub>4</sub> emission factor (kg CH <sub>4</sub> /mmBtu)	Default N <sub>2</sub> O emission factor (kg N <sub>2</sub> O/mmBtu)
Coal and Coke (All fuel types in Table C-1) .....	1.1 × 10 <sup>-02</sup>	1.6 × 10 <sup>-03</sup>
Natural Gas .....	1.0 × 10 <sup>-03</sup>	1.0 × 10 <sup>-04</sup>
Petroleum (All fuel types in Table C-1) .....	3.0 × 10 <sup>-03</sup>	6.0 × 10 <sup>-04</sup>
Municipal Solid Waste .....	3.2 × 10 <sup>-02</sup>	4.2 × 10 <sup>-03</sup>
Tires .....	3.2 × 10 <sup>-02</sup>	4.2 × 10 <sup>-03</sup>
Blast Furnace Gas .....	2.2 × 10 <sup>-05</sup>	1.0 × 10 <sup>-04</sup>
Coke Oven Gas .....	4.8 × 10 <sup>-04</sup>	1.0 × 10 <sup>-04</sup>
Biomass Fuels—Solid (All fuel types in Table C-1) .....	3.2 × 10 <sup>-02</sup>	4.2 × 10 <sup>-03</sup>
Biogas .....	3.2 × 10 <sup>-03</sup>	6.3 × 10 <sup>-04</sup>
Biomass Fuels—Liquid (All fuel types in Table C-1) .....	1.1 × 10 <sup>-03</sup>	1.1 × 10 <sup>-04</sup>

**Note:** Those employing this table are assumed to fall under the IPCC definitions of the “Energy Industry” or “Manufacturing Industries and Construction”. In all fuels except for coal the values for these two categories are identical. For coal combustion, those who fall within the IPCC “Energy Industry” category may employ a value of 1g of CH<sub>4</sub>/mmBtu.

[75 FR 79154, Dec. 17, 2010]

**Subpart D—Electricity Generation**

**§ 98.40 Definition of the source category.**

(a) The electricity generation source category comprises electricity generating units that are subject to the requirements of the Acid Rain Program and any other electricity generating units that are required to monitor and report to EPA CO<sub>2</sub> mass emissions year-round according to 40 CFR part 75.

(b) This source category does not include portable equipment, emergency equipment, or emergency generators, as defined in § 98.6.

[74 FR 56374, Oct. 30, 2009, as amended at 75 FR 79155, Dec. 17, 2010]

**§ 98.41 Reporting threshold.**

You must report GHG emissions under this subpart if your facility con-

tains one or more electricity generating units and the facility meets the requirements of § 98.2(a)(1).

**§ 98.42 GHGs to report.**

(a) For each electricity generating unit that is subject to the requirements of the Acid Rain Program or is otherwise required to monitor and report to EPA CO<sub>2</sub> emissions year-round according to 40 CFR part 75, you must report under this subpart the annual mass emissions of CO<sub>2</sub>, N<sub>2</sub>O, and CH<sub>4</sub> by following the requirements of this subpart.

(b) For each electricity generating unit that is not subject to the Acid Rain Program or otherwise required to monitor and report to EPA CO<sub>2</sub> emissions year-round according to 40 CFR part 75, you must report under subpart C of this part (General Stationary Fuel Combustion Sources) the emissions of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O by following the requirements of subpart C.