Electric Power Annual 2010

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Table A3. Carbon Dioxide Uncontrolled Emission Factors

(Pounds of CO₂ per Million Btu)

Fuel, Code, Source, and Emission Factor

			Factor (Pounds of CO ₂ Per Million Btu)***
Fuel And EIA Fuel Code	Source and Tables	(As appropriate)	<u>-</u>
Bituminous Coal (BIT)	Source: 1		205.3
Distillate Fuel Oil (DFO)	Source: 1		161.386
Geothermal (GEO)	Estimate from EIA, Office	e of Integrated	16.59983
	Analysis and Forecasting	g	
Jet Fuel (JF)	Source: 1		156.258
Kerosene (KER)	Source: 1		159.535
Lignite Coal (LIG)	Source: 1		215.4
Municipal Solid Waste	Source: 1 (including foot	note 2 within	91.9
(MSW)	source)		
Natural Gas (NG)	Source: 1		117.08
Petroleum Coke (PC)	Source: 1		225.13
Propane Gas (PG)	Source: 1		139.178
Residual Fuel Oil (RFO)	Source: 1		173.906
Synthetic Coal (SC)	Assumed to have emissi	ons similar to	205.3
	Bituminous Coal.		
Subbituminous Coal (SUB)	Source: 1		212.7
Tire-Derived Fuel (TDF)	Source: 1		189.538
Waste Coal (WC)	Assumed to have emissi	ons similar to	205.3
	Bituminous Coal.		
Waste Oil (WO)	Source: 2, Table 1.11-3	(assumes typical	210
	heat content of 4.4 MMB	tus per barrel)	

Note: *** CO₂ factors do not vary by combustion system type or boiler firing configuration.

Sources: Energy Information Administration, Office of Integrated Analysis and Forecasting, Voluntary Reporting of Greenhouse Gases Program, *Table of Fuel and Energy Source: Codes and Emission Coefficients*; available at:

http://www.eia.doe.gov/oiaf/1605/coefficients.html; and U.S. Environmental Protection Agency, AP 42, Fifth Edition (Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources); available at: http://www.epa.gov/ttn/chief/ap42/.

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Table A3. Carbon Dioxide Uncontrolled Emission Factors

(Pounds of CO_2 per Million Btu)

Fuel, Code, Source, and Emission Factor				
Fuel And EIA Fuel Code	Source and Tables (As appropriate)	Factor (Pounds of CO ₂ Per Million Btu)***		
Bituminous Coal (BIT)	Source: 3	205.573		
Distillate Fuel Oil (DFO)	Source: 1	161.386		
Geothermal (GEO)	Estimate from EIA, Office of Integrated Analysis and Forecasting	16.59983		
Jet Fuel (JF)	Source: 1	156.258		
Kerosene (KER)	Source: 1	159.535		
Lignite Coal (LIG)	Source: 3	215.07		
Municipal Solid Waste (MSW)	Source: 1 (including footnote 2 within source)	91.9		
Natural Gas (NG)	Source: 1	117.08		
Petroleum Coke (PC)	Source: 1	225.13		
Propane Gas (PG)	Source: 1	139.178		
Residual Fuel Oil (RFO)	Source: 1	173.906		
Synthetic Coal (SC)	Assumed to have emissions similar to Bituminous Coal.	205.573		
Subbituminous Coal (SUB)	Source: 3	214.212		
Tire-Derived Fuel (TDF)	Source: 1	189.538		
Waste Coal (WC)	Assumed to have emissions similar to Bituminous Coal.	205.573		
Waste Oil (WO)	Source: 2, Table 1.11-3 (assumes typical heat content of 4.4 MMBtus per barrel)	210		

Note: *** CO_2 factors do not vary by combustion system type or boiler firing configuration.

Sources: Energy Information Administration, Office of Integrated Analysis and Forecasting, Voluntary Reporting of Greenhouse Gases Program, Table of Fuel and Energy Sou



