

(Mid Case) Forecast for Updated Scoping Plan - MMTCO2e (AR4)

Scoping Plan Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Transportation	171.5	170.6	168.4	172.7	174.4	176.4	178.1	179.7	181.4	182.8	183.9	185.3
On Road	158.6	157.5	155.1	159.2	160.5	162.1	163.4	164.6	165.9	166.9	167.6	168.7
Passenger Vehicles	122.5	121.5	119.0	122.1	122.9	123.5	123.9	124.5	125.2	125.6	125.7	126.2
Heavy Duty Trucks	36.1	36.0	36.1	37.0	37.7	38.7	39.5	40.1	40.7	41.3	41.9	42.5
Ships & Commercial Boats	3.7	3.7	3.8	4.0	4.0	4.2	4.3	4.5	4.7	4.8	5.0	5.1
Aviation (Intrastate)	4.0	3.8	3.7	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.6
Rail	1.9	2.3	2.5	2.3	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8
Off Road [1]	2.2	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
Unspecified	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Electric Power	103.6	90.1	86.6	93.4	94.6	95.9	97.2	98.6	99.8	100.9	102.3	103.8
In-State Generation	55.5	46.5	39.7	46.9	48.1	49.4	50.7	52.1	53.3	54.4	55.8	57.3
Natural Gas	48.9	40.6	34.5	41.0	42.2	43.5	44.8	46.2	47.3	48.5	49.9	51.4
Other Fuels	5.3	4.8	3.9	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Fugitive and Process Emissions	1.3	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Imported Electricity	48.0	43.6	46.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
Unspecified Imports	15.0	13.5	15.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Specified Imports	33.1	30.1	31.3	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
Commercial and Residential	44.2	45.2	45.5	45.5	45.9	46.4	46.8	47.3	47.9	48.4	49.0	49.5
Residential Fuel Use	28.7	29.4	29.9	29.9	30.1	30.2	30.3	30.6	30.8	31.1	31.4	31.7
Natural Gas	26.3	27.0	27.5	27.5	27.7	27.9	28.0	28.2	28.4	28.7	29.0	29.3
Other Fuels	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Commercial Fuel Use	14.6	14.8	14.9	14.7	14.9	15.2	15.6	15.9	16.2	16.5	16.7	17.0
Natural Gas	12.6	12.5	12.6	12.5	12.7	13.0	13.4	13.7	14.0	14.3	14.5	14.8
Other Fuels	2.0	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Commercial Cogeneration Heat Output	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Industrial	85.3	92.0	94.4	91.5	92.0	92.6	93.0	93.2	93.3	93.5	93.6	93.7
Refineries	28.3	30.4	30.1	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
General Fuel Use	17.6	20.2	21.6	21.2	21.7	22.1	22.4	22.7	23.0	23.3	23.6	23.9
Natural Gas	11.5	13.5	14.5	14.6	15.0	15.4	15.7	16.0	16.3	16.6	16.9	17.2
Other Fuels	6.1	6.8	7.1	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
Oil & Gas Extraction [2]	17.1	16.2	16.2	15.7	15.6	15.7	15.7	15.5	15.2	15.0	14.7	14.5
Fuel Use	15.9	15.0	14.9	14.6	14.5	14.6	14.6	14.4	14.2	13.9	13.7	13.5
Fugitive Emissions	1.2	1.2	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0
Cement Plants	5.7	5.6	6.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Clinker Production	3.6	3.5	4.1	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Fuel Use	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Cogeneration Heat Output	10.3	12.5	12.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Other Fugitive and Process Emissions	6.3	7.2	7.7	7.2	7.3	7.4	7.5	7.7	7.8	7.9	8.0	8.1
Recycling and Waste	8.1	8.2	8.3	8.3	8.4	8.5	8.6	8.7	8.9	9.0	9.2	9.4
Landfills [3]	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.9	9.1
Composting	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
High GWP	14.1	16.1	17.3	19.1	20.6	22.2	23.7	25.3	26.9	28.5	30.1	31.5
Ozone Depleting Substance (ODS) Substitutes	13.5	15.4	16.6	18.4	20.0	21.5	23.1	24.7	26.3	27.9	29.4	30.9
Electricity Grid SF6 Losses [4]	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Semiconductor Manufacturing [3]	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Agriculture	35.0	34.9	35.4	34.8	34.9	35.0	35.1	35.2	35.4	35.6	35.8	36.2
Livestock	23.5	23.0	23.0	22.9	23.0	23.1	23.2	23.4	23.6	23.8	24.0	24.4
Enteric Fermentation (Digestive Process)	11.3	11.1	11.1	11.1	11.1	11.2	11.2	11.3	11.4	11.4	11.5	11.7
Manure Management	12.2	11.8	11.9	11.8	11.9	11.9	12.0	12.1	12.2	12.3	12.5	12.7
Crop Growing & Harvesting	8.8	9.1	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Fertilizers	7.3	7.6	7.2	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
Soil Preparation and Disturbances	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Crop Residue Burning	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
General Fuel Use	2.7	2.8	3.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Diesel	1.8	2.0	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Natural Gas	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Gasoline	0.2	0.2	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL GROSS EMISSIONS	461.8	457.0	455.9	465.4	470.8	476.9	482.4	488.0	493.5	498.7	503.9	509.4