

Massachusetts GHG Emissions, Business-As-Usual (BAU) Projection, and 2020 Emission Limit

Year	Emission Limit (MMTCO ₂ e): 25% below	Actual Gross Emissions (MMTCO ₂ e)	BAU Projected Emissions (MMTCO ₂ e)
1990	70.8	94.5	
1991	70.8	92.8	
1992	70.8	95.1	
1993	70.8	93.0	
1994	70.8	93.2	
1995	70.8	90.8	
1996	70.8	91.6	
1997	70.8	96.2	
1998	70.8	93.8	
1999	70.8	92.7	
2000	70.8	94.4	
2001	70.8	93.5	
2002	70.8	95.3	
2003	70.8	96.6	
2004	70.8	94.7	
2005	70.8	96.5	96.5
2006	70.8	87.8	87.8
2007	70.8	90.5	90.5
2008	70.8	88.2	88.2
2009	70.8	81.8	92.2
2010	70.8	83.3	92.5
2011	70.8	78.5	92.8
2012	70.8	72.0	93.1
2013	70.8	75.8	93.4
2014	70.8	74.0	93.9
2015		76.1	94.3
2016		74.2	94.8
2017			95.4
2018			96.0
2019			96.7
2020			97.4

MA GHG Emissions and Business-As-Usual (BAU) Projections for Major Sectors

Year	ACTUAL Emissions (MMTCO2e)							
	Transportation	Electricity Consumption	Residential	Commercial	Industrial (Fuel)	Waste	Industrial (Processes)	Agriculture
1990	30.5	28.2	15.3	8.4	5.8	2.7	0.7	0.3
1991	27.6	28.3	14.3	9.2	5.0	3.0	0.6	0.4
1992	27.4	27.1	16.4	8.9	6.8	2.9	0.7	0.4
1993	27.7	25.5	16.5	8.0	6.9	2.8	0.8	0.4
1994	27.9	25.6	16.3	8.9	6.0	2.8	0.9	0.4
1995	28.4	24.7	14.7	9.0	5.2	2.7	1.3	0.4
1996	29.7	24.5	14.5	9.1	5.2	2.3	1.6	0.4
1997	30.1	28.6	14.4	9.5	5.4	2.0	1.8	0.4
1998	30.2	29.0	13.2	8.1	5.3	1.7	2.1	0.4
1999	30.9	27.5	14.0	6.2	5.9	1.7	2.3	0.3
2000	32.0	26.7	15.6	6.8	5.7	1.1	2.5	0.3
2001	31.5	26.2	15.9	5.7	6.8	0.7	2.6	0.3
2002	31.6	27.7	15.9	5.9	6.7	1.1	2.7	0.4
2003	31.6	29.2	16.3	7.1	4.4	1.6	2.8	0.3
2004	33.4	28.1	14.9	6.5	4.3	1.3	2.8	0.3
2005	33.9	29.5	14.8	6.7	4.5	1.1	2.8	0.3
2006	32.8	25.8	12.8	5.0	4.4	1.0	2.9	0.4
2007	33.1	27.4	13.5	5.3	4.3	0.9	2.9	0.4
2008	32.9	24.7	14.4	5.6	4.0	0.8	3.1	0.3
2009	30.1	22.2	13.8	5.8	3.2	0.9	3.3	0.3
2010	29.8	22.9	13.6	6.7	3.7	0.9	3.5	0.3
2011	29.9	18.1	13.6	6.3	3.9	0.9	3.6	0.3
2012	29.3	15.8	11.8	5.2	3.4	1.0	3.6	0.3
2013	30.4	16.3	12.3	6.8	3.6	0.9	3.6	0.3
2014	28.5	14.8	13.6	7.1	3.5	0.8	3.8	0.3
2015	29.3	15.6	13.6	7.6	3.5	0.8	3.9	0.3
2016	31.4	14.7	11.4	7.0	3.4	0.8	4.0	0.2
2017								
2018								
2019								
2020								

Updated 1/7/18

MA GHG Emissions and Business-As-Usual (BAU) Projections for Major Sectors

Year	PROJECTED Emissions (MMTCO2e)							
	Transportation	Electricity Consumption	Residential	Commercial	Industrial (Fuel)	Waste	Industrial (Processes)	Agriculture
1990								
1991								
1992								
1993								
1994								
1995								
1996								
1997								
1998								
1999								
2000								
2001								
2002								
2003								
2004								
2005	33.9	29.5	14.8	6.7	4.5	1.1	2.8	0.3
2006	32.8	25.8	12.8	5.0	4.4	1.0	2.9	0.4
2007	33.1	27.4	13.5	5.3	4.3	0.9	2.9	0.4
2008	32.9	24.7	14.4	5.6	4.0	0.8	3.1	0.3
2009	34.5	27.1	14.2	5.0	4.3	0.8	3.3	0.4
2010	34.7	27.0	14.2	4.9	4.3	0.8	3.5	0.4
2011	35.0	26.8	14.1	4.8	4.2	0.8	3.7	0.4
2012	35.2	26.7	14.1	4.7	4.1	0.8	3.8	0.4
2013	35.5	26.6	14.0	4.5	4.0	0.8	4.0	0.4
2014	35.8	26.5	14.0	4.4	3.9	0.8	4.2	0.3
2015	36.0	26.4	14.0	4.3	3.9	0.8	4.4	0.3
2016	36.3	26.3	13.9	4.2	3.8	0.8	4.6	0.3
2017	36.5	26.2	13.9	4.2	3.7	0.8	4.9	0.3
2018	36.8	26.1	13.9	4.1	3.7	0.8	5.1	0.3
2019	37.1	26.0	13.8	4.0	3.6	0.8	5.3	0.3
2020	37.3	26.0	13.8	3.9	3.5	0.8	5.6	0.3