

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

Year	2020 Emission Limit (MMTCO2e): 25% below 1990 level	Actual Gross Emissions (MMTCO2e)	BAU Projected Emissions (MMTCO2e)
1990	70.8	94.5	
1991	70.8	92.8	
1992	70.8	95.0	
1993	70.8	93.1	
1994	70.8	93.3	
1995	70.8	91.0	
1996	70.8	92.1	
1997	70.8	96.9	
1998	70.8	94.5	
1999	70.8	93.4	
2000	70.8	95.1	
2001	70.8	94.4	
2002	70.8	95.8	
2003	70.8	96.0	
2004	70.8	94.4	
2005	70.8	96.6	96.5
2006	70.8	87.8	87.6
2007	70.8	90.8	90.6
2008	70.8	88.2	88.0
2009	70.8	81.8	91.7
2010	70.8	83.5	91.8
2011	70.8	78.7	91.8
2012	70.8	72.2	91.8
2013	70.8	75.9	91.8
2014	70.8	74.3	91.9
2015	70.8	76.3	91.9
2016			92.0
2017			92.2
2018			92.3
2019			92.5
2020			92.7

Updated 8/23/2018

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	0.4
1991	29.3	28.3	14.5	9.2	5.3	3.0	0.5	0.3
1992	29.1	27.1	16.6	9.0	7.1	2.9	0.6	0.3
1993	29.4	25.5	16.8	8.0	7.3	2.9	0.7	0.3
1994	29.6	25.6	16.6	8.9	6.3	2.8	0.9	0.3
1995	30.1	24.7	15.0	9.0	5.6	2.8	1.3	0.3
1996	31.5	24.5	14.8	9.1	5.6	2.7	1.6	0.3
1997	31.9	28.6	14.6	9.5	5.8	2.6	1.8	0.3
1998	32.0	29.0	13.4	8.1	5.5	2.4	2.1	0.3
1999	32.6	27.5	14.2	6.2	6.3	2.3	2.3	0.3
2000	33.6	26.7	15.8	6.8	6.0	1.7	2.5	0.3
2001	33.1	26.2	16.1	5.8	7.2	1.7	2.5	0.3
2002	33.0	27.7	16.0	5.9	7.2	1.5	2.6	0.3
2003	32.9	29.2	16.5	7.1	4.9	1.0	2.6	0.3
2004	34.6	28.1	15.1	6.6	4.7	1.0	2.6	0.3
2005	34.9	29.5	14.9	6.7	5.0	1.2	2.6	0.3
2006	33.7	25.8	12.9	5.0	5.0	1.0	2.7	0.4
2007	34.0	27.4	13.6	5.4	5.0	1.1	2.8	0.4
2008	33.6	24.7	14.5	5.6	4.5	0.8	3.0	0.3
2009	30.8	22.2	14.0	5.8	3.8	0.7	3.3	0.2
2010	30.3	22.9	13.7	6.7	4.2	0.9	3.5	0.3
2011	30.4	18.1	13.8	6.4	4.3	0.9	3.7	0.2
2012	29.7	15.8	11.9	5.3	3.7	1.0	3.7	0.2
2013	30.8	16.3	12.5	6.8	3.7	0.9	3.8	0.2

2014	28.9	14.8	13.8	7.2	3.7	0.8	4.0	0.3	
2015	29.7	15.6	13.7	7.6	3.7	0.8	4.2	0.3	
2016									
2017									
2018									
2019									
2020									

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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	3.1	0.3
2006	32.8	25.8	12.8	5.0	4.4	0.9	3.2	0.4
2007	33.2	27.4	13.5	5.3	4.3	1.0	3.2	0.4
2008	32.9	24.7	14.4	5.6	4.0	0.7	3.3	0.3
2009	34.6	27.1	14.2	5.0	4.3	0.6	3.6	0.3
2010	34.8	26.9	14.1	4.9	4.3	0.8	3.8	0.3
2011	35.1	26.8	14.1	4.8	4.2	0.7	4.0	0.3
2012	35.3	26.7	14.1	4.6	4.1	0.7	4.2	0.3
2013	35.6	26.6	14.0	4.5	4.0	0.7	4.3	0.3
2014	35.8	26.5	14.0	4.4	3.9	0.7	4.5	0.3
2015	36.1	26.4	14.0	4.3	3.9	0.7	4.8	0.3
2016	36.3	26.3	13.9	4.2	3.8	0.7	5.0	0.3
2017	36.6	26.2	13.9	4.2	3.7	0.7	5.2	0.3
2018	36.9	26.1	13.8	4.1	3.7	0.7	5.4	0.3
2019	37.1	26.0	13.8	4.0	3.6	0.7	5.7	0.3
2020	37.4	26.0	13.8	3.9	3.5	0.7	5.9	0.3

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