

Express Terms

6 NYCRR Part 496 Statewide Greenhouse Gas Emission Limits

(Statutory authority: Environmental Conservation Law, §§ 75-0107)

§ 496.1 Purpose

This Part adopts limits on the emissions of greenhouse gases from across the State and all sectors of the State economy for the years 2030 and 2050, as a percentage of 1990 emission levels of 60 percent and 15 percent, respectively, as established in the Climate Leadership and Community Protection Act, Chapter 106 of the Laws of 2019.

§ 496.2 Applicability

This Part applies to all parts of the State and to all State agencies, offices, authorities, and divisions in the context of programs, regulations, decisions, and planning documents specified in the Climate Leadership and Community Protection Act.

§ 496.3 Definitions

For the purposes of this Part, the following definitions apply:

(a) ‘Anthropogenic greenhouse gases.’ Greenhouse gas emissions resulting from or produced by human activities.

(b) ‘Carbon Dioxide Equivalent.’ The amount of carbon dioxide by mass that would produce the same global warming impact as the given mass of another greenhouse gas over a specific time frame, as determined by the IPCC, and as provided in Section 496.5 of this Part.

(c) ‘Greenhouse Gas.’ Gaseous constituents of the atmosphere that absorb and emit radiation at specific wavelengths within the spectrum of terrestrial radiation emitted by the Earth’s surface, the atmosphere itself, and by clouds. For the purposes of the Part, this includes substances provided in Section 496.5 of this Part.

(d) ‘GWP20.’ An assessment of the Global Warming Potential of greenhouse gases over an integrated twenty-year time frame.

(e) ‘IPCC.’ Intergovernmental Panel on Climate Change.

(f) ‘Statewide Greenhouse Gas Emission Limit.’ The maximum allowable level of gross statewide greenhouse gas emissions in a specified year.

(g) ‘Statewide Greenhouse Gas Emissions.’ Total annual emissions of greenhouse gases produced within the state from anthropogenic sources and greenhouse gases produced outside of the state that are associated with the generation of electricity imported into the state and the extraction and transmission of fossil fuels imported into the state, expressed in tons of carbon dioxide equivalents.

§ 496.4 Statewide Greenhouse Gas Emission Limits

(a) For the purposes of this Part, the estimated level of statewide greenhouse gas emissions in 1990 is 409.78 million metric tons of carbon dioxide equivalent, using a GWP20 as provided in Section 496.5 of this Part.

(b) For the purposes of this Part, the table below establishes statewide emission limits for the year specified, as a percentage of estimated 1990 statewide greenhouse gas emissions of 60 percent and 15 percent,

respectively, measured in millions of metric tons of carbon dioxide equivalent gas using a GWP20 as provided in Section 496.5 of this Part.

Year	Statewide greenhouse gas emission limit (in million metric tons of carbon dioxide equivalent)
2030	245.87
2050	61.47

§ 496.5 Greenhouse Gases

For the purposes of this Part, the table below provides a carbon dioxide equivalent value for each greenhouse gas as provided by the IPCC using GWP20.

Greenhouse Gas	Carbon dioxide equivalent value
Carbon dioxide	1
Methane	84
Nitrous oxide	264
HFC-23	10,800
HFC-32	2430
HFC-41	427
HFC-125	6090
HFC-134	3580
HFC-134a	3710
HFC-143	1200
HFC-143a	6940
HFC-152	60
HFC-152a	506
HFC-161	13
HFC-227ca	5080
HFC-227ea	5360
HFC-236cb	3480
HFC-236ea	4110
HFC-236fa	6940
HFC-245ca	2510
HFC-245cb	6680
HFC-245ea	863

HFC-245eb	1070
HFC-245fa	2920
HFC-263fb	278
HFC-272ca	530
HFC-329p	4510
HFC-365mfc	2660
HFC-43-10mee	4310
HFC-1132a	<1
HFC-1141	<1
(Z)-HFC-1225ye	<1
(E)-HFC-1225ye	<1
(Z)-HFC-1234ze	1
HFC-1234yf	1
(E)-HFC-1234ze	4
(Z)-HFC-1336	6
HFC-1243zf	1
HFC-1345zfc	<1
3,3,4,4,5,5,6,6,6-Nonafluorohex-1-ene	<1
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooct-1-ene	<1
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodec-1-ene	<1
Nitrogen trifluoride	12,800
Sulphur hexafluoride	17,500
PFC-14	4880
PFC-116	8210
PFC-c216	6850
PFC-218	6640
PFC-318	7110
PFC-31-10	6870
Perfluorocyclopentene	7
PFC-41-12	6350
PFC-51-14	5890
PFC-61-16	5830
PFC-71-18	5680
PFC-91-18	5390
Perfluorodecalin (cis)	5430
Perfluorodecalin (trans)	4720
PFC-1114	<1
PFC-1216	<1

Perfluorobuta-1,3-diene	<1
Perfluorobut-1-ene	<1
Perfluorobut-2-ene	6