

## Appendix E. Greenhouse Gas Emissions Resources

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This appendix provides resources developed by the New York State Department of Environmental Conservation (DEC) and the New York State Energy Research and Development Authority (NYSERDA) to ensure consistent calculation and accounting of greenhouse gas emissions by fuel type.

Under New York State’s Climate Leadership and Community Protection Act (Climate Act), the New York State Department of Environmental Conservation (DEC) publishes an annual inventory of greenhouse gases (GHGs), the Statewide Greenhouse Gas Emissions Report with additional supporting data available at Open NY. As required by the Climate Act, the report applies a 20-year global warming potential and includes all emissions from fossil fuels and electricity consumed within the State, including those from fuel production and transportation occurring beyond the State boundaries. DEC released the first annual report in December 2021, in collaboration with New York State Research and Development Authority (NYSERDA), followed by the first annual update in December 2022.

NYSERDA conducted studies providing the underlying analysis for the energy sector GHG emissions inventory. These include direct emissions, emissions from imported fossil fuels and electricity, methane emissions from oil and gas systems, and hydrofluorocarbon (HFC) emissions, together accounting for more than 80% of statewide GHG emissions. Additional information about NYSEDA’s Greenhouse Gas Emissions Studies can be found on NYSEDA’s website. NYSEDA updates these studies periodically to incorporate methodological improvements and new data as they become available.

### E.1 References

New York State Department of Environmental Conservation (DEC). 2024. “Statewide Greenhouse Gas Emissions Report.” DEC. Accessed August 2024. <https://dec.ny.gov/environmental-protection/climate-change/greenhouse-gas-emissions-report>

New York State Research and Development Authority (NYSERDA). 2024. “Greenhouse Gas Emissions Studies.” NYSEDA. Accessed August 2024. <https://www.nyserda.ny.gov/About/Publications/Energy-Analysis-Reports-and-Studies/Greenhouse-Gas-Emissions>