



# Department of Environmental Protection

## New Jersey Greenhouse Gas Inventory Mid-Cycle Update Report (2021 Edition)

**Table 1. Estimated NJ Greenhouse Gas Emissions, 2017-2019 (100-year GWP)**

Values are in millions of metric tons CO<sub>2</sub>e. 2019 projected values are noted with an asterisk.

| SECTOR                | 1990                 | 2006                 | 2017                        |             | 2018                        |             | 2019        |
|-----------------------|----------------------|----------------------|-----------------------------|-------------|-----------------------------|-------------|-------------|
|                       | From Previous Report | From Previous Report | Previous Report (Projected) | Final       | Previous Report (Projected) | Final       | (Projected) |
| <b>ENERGY</b>         |                      |                      |                             |             |                             |             |             |
| Commercial            | 10.7                 | 9.2                  | 9.0                         | <b>10.0</b> | 9.4                         | <b>11.0</b> | 10.8 *      |
| Industrial            | 19.8                 | 16.3                 | 6.8                         | <b>5.7</b>  | 7.2                         | <b>6.2</b>  | 5.2 *       |
| Residential           | 15.2                 | 13.7                 | 14.5                        | <b>14.1</b> | 15.2                        | <b>16.1</b> | 14.6 *      |
| <b>Transportation</b> |                      |                      |                             |             |                             |             |             |
| On-Road Gasoline      | 28.9                 | 34.0                 | 30.8                        | <b>30.8</b> | 29.4                        | <b>30.0</b> | 28.6        |
| Distillate            | 5.6                  | 7.8                  | 8.0                         | <b>8.0</b>  | 7.9                         | <b>7.2</b>  | 8.0         |
| Jet Fuel              | 1.0                  | 1.0                  | 1.0                         | <b>1.0</b>  | 1.0                         | <b>1.0</b>  | 1.0         |
| Residual Fuel         | 1.0                  | 0.8                  | 2.2                         | <b>1.5</b>  | 2.0                         | <b>3.6</b>  | 2.1 *       |
| Other                 | 0.4                  | 0.3                  | 0.4                         | <b>0.4</b>  | 0.3                         | <b>0.3</b>  | 0.3 *       |
| <b>Electricity</b>    |                      |                      |                             |             |                             |             |             |
| In-State Electric     | 12.4                 | 18.5                 | 17.2                        | <b>17.2</b> | 17.4                        | <b>17.9</b> | 17.3        |
| Imported Electric     | 14.1                 | 11.7                 | 0.0                         | <b>0.0</b>  | 0.0                         | <b>0.4</b>  | 1.1         |
| MSW Incineration      | n/a                  | 0.8                  | 0.8                         | <b>0.8</b>  | 0.7                         | <b>0.8</b>  | 0.8         |

### Notes:

\* = 2019 Projected value

Previously reported values for 2017 and 2018 in the 2018 NJ GHG Inventory Report were projections.

Final values presented here are based on data released through December 18, 2020 by the US Energy Information Agency and US EPA, and NJ emissions statements.

Black carbon estimates are presented for informational purposes but are not included in the total net emissions of the greenhouse gas inventory report because it is an aerosol component of particulate matter (PM), and not a gas.

Last Updated: Thursday, February 18<sup>th</sup>, 2021



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| <b>NON-ENERGY</b>                          |                      |                      |                             |              |                             |              |             |
| Halogenated Gases (excl. SF <sub>6</sub> ) | 0.0                  | 2.3                  | 4.8                         | <b>4.8</b>   | 5.0                         | <b>5.0</b>   | 5.2 *       |
| SF <sub>6</sub>                            | 1.0                  | 0.3                  | 0.1                         | <b>0.1</b>   | 0.1                         | <b>0.1</b>   | 0.1 *       |
| Agriculture                                | 0.6                  | 0.5                  | 0.4                         | <b>0.4</b>   | 0.4                         | <b>0.4</b>   | 0.3 *       |
| Natural Gas Transmission & Distribution    | 2.5                  | 2.6                  | 2.5                         | <b>2.4</b>   | 2.5                         | <b>2.4</b>   | 2.3         |
| <b>Landfills</b>                           |                      |                      |                             |              |                             |              |             |
| In-State                                   | 11.7                 | 3.5                  | 3.1                         | <b>3.3</b>   | 3.1                         | <b>3.4</b>   | 3.4 *       |
| Out-of-State                               | 2.6                  | 1.0                  | 1.6                         | <b>1.8</b>   | 1.6                         | <b>1.9</b>   | 2.2 *       |
| Industrial                                 | 1.1                  | 0.2                  | 0.2                         | <b>0.2</b>   | 0.2                         | <b>0.2</b>   | 0.2 *       |
| POTWs                                      | 0.2                  | 0.2                  | 0.4                         | <b>1.0</b>   | 0.4                         | <b>1.0</b>   | 1.0 *       |
| Released through Land Clearing             | 0.6                  | 1.8                  | 1.0                         | <b>1.0</b>   | 1.0                         | <b>1.0</b>   | 1.0         |
| Other Industrial and Non-Fuel Related      | 0.3                  | 0.1                  | 0.3                         | <b>0.3</b>   | 0.3                         | <b>0.3</b>   | 0.3         |
| <b>TOTAL GROSS EMISSIONS</b>               | 129.7                | 126.6                | 105.1                       | <b>104.8</b> | 105.1                       | <b>110</b>   | 105.8       |
| <b>Sequestered</b>                         | -4.0                 | -6.0                 | -8.1                        | <b>-8.1</b>  | -8.1                        | <b>-8.1</b>  | -8.1        |
| <b>TOTAL NET EMISSIONS</b>                 | 125.7                | 120.6                | 97.0                        | <b>96.7</b>  | 97.0                        | <b>101.9</b> | 97.7        |
| <b>BLACK CARBON</b>                        |                      |                      |                             | 2.8          |                             | 2.7          | 2.6         |

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