

EMISSIONS

Table 15-1
METHANE EMISSIONS FROM NATURAL GAS SYSTEMS
 (Million Metric Tons CO₂-equivalent)
 1990 – 2022

| Year | Total | Exploration | Production | Processing | Transmission and Storage | Distribution |
|-------------|--------------|--------------------|-------------------|-------------------|---------------------------------|---------------------|
| 1990 | 210.7 | 6.7 | 65.2 | 23.9 | 64.0 | 50.9 |
| 1991 | 216.0 | 8.9 | 68.6 | 23.6 | 64.6 | 50.3 |
| 1992 | 212.8 | 5.5 | 69.6 | 23.7 | 65.0 | 49.0 |
| 1993 | 212.6 | 6.1 | 71.6 | 23.0 | 63.4 | 48.5 |
| 1994 | 214.6 | 6.6 | 74.8 | 22.5 | 61.9 | 48.8 |
| 1995 | 207.0 | 5.6 | 75.4 | 20.4 | 60.3 | 45.3 |
| 1996 | 205.6 | 8.2 | 77.7 | 18.4 | 58.4 | 42.9 |
| 1997 | 207.4 | 10.7 | 79.6 | 17.7 | 57.7 | 41.7 |
| 1998 | 204.3 | 10.8 | 80.7 | 15.6 | 56.7 | 40.5 |
| 1999 | 200.5 | 11.3 | 79.7 | 15.9 | 55.4 | 38.2 |
| 2000 | 203.4 | 13.7 | 83.0 | 15.5 | 54.6 | 36.6 |
| 2001 | 204.5 | 17.3 | 86.3 | 14.7 | 51.0 | 35.2 |
| 2002 | 202.3 | 15.0 | 87.9 | 14.8 | 51.1 | 33.5 |
| 2003 | 201.7 | 17.2 | 90.2 | 14.0 | 49.2 | 31.1 |
| 2004 | 203.3 | 18.0 | 93.3 | 13.5 | 48.6 | 29.9 |
| 2005 | 200.5 | 19.6 | 93.4 | 13.0 | 46.0 | 28.5 |
| 2006 | 208.3 | 23.9 | 100.3 | 12.7 | 44.3 | 27.1 |
| 2007 | 206.2 | 23.4 | 104.0 | 12.3 | 43.7 | 22.8 |
| 2008 | 209.3 | 23.6 | 108.6 | 11.9 | 43.5 | 21.7 |
| 2009 | 197.2 | 13.6 | 109.5 | 11.6 | 42.7 | 19.8 |
| 2010 | 189.8 | 10.5 | 107.5 | 11.3 | 42.6 | 17.9 |
| 2011 | 184.1 | 5.3 | 109.7 | 11.2 | 41.4 | 16.5 |
| 2012 | 178.7 | 2.6 | 107.7 | 11.2 | 40.7 | 16.5 |
| 2013 | 177.8 | 1.9 | 106.7 | 12.0 | 40.9 | 16.3 |
| 2014 | 174.9 | 0.9 | 105.1 | 12.3 | 40.5 | 16.1 |
| 2015 | 175.3 | 1.0 | 103.6 | 12.3 | 42.4 | 16.0 |
| 2016 | 169.6 | 0.7 | 98.9 | 12.5 | 41.6 | 15.9 |
| 2017 | 171.5 | 1.4 | 101.6 | 12.9 | 39.9 | 15.7 |
| 2018 | 177.8 | 2.6 | 104.9 | 13.5 | 41.2 | 15.6 |
| 2019 | 175.9 | 2.1 | 103.6 | 14.2 | 40.5 | 15.5 |
| 2020 | 167.3 | 0.2 | 96.7 | 13.8 | 41.1 | 15.5 |
| 2021 | 161.6 | 0.1 | 92.2 | 14.2 | 39.8 | 15.3 |
| 2022 | 159.8 | 0.2 | 89.7 | 15.1 | 39.6 | 15.2 |

Source: United States Environmental Protection Agency, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2021*, April 2024.