

Key ESG Data

Environmental Data

| Energy ¹ | Megawatt hours | Terajoules | Water ¹ | Kilogallons | Megaliters | Total water withdrawal from water-stressed areas ² |
|---|------------------------|---------------|---|------------------|--------------|---|
| Natural gas | 1,683,000 | 6,059 | Groundwater withdrawal | 89,855 | 340 | 30% |
| Jet kerosene | 786,000 | 2,830 | Reclaimed water (not withdrawn) | 3,114 | 12 | – |
| Fuel oil #2 | 107,000 | 385 | Total water withdrawal | 1,095,816 | 4,148 | 10% |
| Motor gasoline | 21,000 | 76 | <i>On-site water sources</i> | | | |
| Propane | 10,000 | 36 | On-site well water use | 4,755 | 18 | 100% |
| Liquefied petroleum gas | – | – | On-site water reclamation | 9,576 | 36 | – |
| Total nonrenewable fuels | 2,607,000 | 9,385 | 1. Data represents 83% of operations by square footage. | | | |
| Sustainable aviation fuel | 4,000 | 14 | 2. Water-stressed areas are those with high or extremely high water stress in the World Resources Institute Aqueduct Model. | | | |
| Total renewable fuels | 4,000 | 14 | • Boeing does not use seawater. | | | |
| Purchased nonrenewable electricity | 1,474,000 | 5,306 | Emissions¹ | | | |
| Purchased renewable electricity ² | 574,000 | 2,066 | Scope 1 GHG ^{2,3} | | | Tons CO₂e |
| Total purchased electricity | 2,048,000 | 7,373 | Scope 2 GHG — location-based ^{2,3} | | | 675,000 |
| Total energy use | 4,659,000 | 16,772 | Scope 2 GHG — market-based ^{2,3} | | | 833,000 |
| Percentage of total energy that is renewable | | 12% | Scope 3 GHG — business travel | | | 492,000 |
| Percentage of total energy that is grid electricity | | 32% | Scope 3 GHG — use of sold products (Commercial Airplanes) ^{3,4} | | | 57,000 |
| Energy intensity | 0.00007 kWh/\$ revenue | | Scope 3 GHG — use of sold products (Defense, Space and Security) ^{3,5} | | | 306,000,000 |
| | | | Total calculated GHG excluding sold products | | | 24,000,000 |
| | | | Core metrics sites GHG — location-based | | | 1,224,000 |
| | | | Core metrics sites GHG — market-based | | | 701,000 |
| | | | GHG intensity ⁶ | | | 375,000 |
| | | | | | | 0.00002 MT/\$ revenue |

- Data represents 100% of the company.
- Renewable electricity data excludes any renewable energy that is part of the grid by default, in alignment with SASB and other frameworks. Notably, Boeing operates in a number of grids that rely significantly on renewable sources.
- Boeing did not sell any electricity, heating or cooling energy.

| Water | Kilogallons | Megaliters | Total water withdrawal from water-stressed areas |
|---|-------------|------------|--|
| <i>Off-site water sources</i> | | | |
| Surface water withdrawal | 639,501 | 2,421 | – |
| Combination of surface water and groundwater withdrawal | 366,460 | 1,387 | 21% |

- Emissions (Enterprise Scope 1, Scope 2, and Scope 3 Categories 5 and 11) data is verified by an accredited independent third party to the level of limited assurance, see [assurance statements](#). To read further and to see restated 2020 GHG data, visit our [GHG supplement](#).
 - Scopes 1 and 2 data represents 100% of the company.
 - For Scopes 1, 2 and 3, we calculate emissions from CO₂, CH₄, N₂O, HFCs, PFCs, SF₆ and NF₃ for this dataset.
 - Use of sold products emissions are based on estimated lifetime emissions of Boeing Commercial Airplanes product deliveries in 2021, including direct emissions from combustion of fuel (242M metric tons) and indirect emissions from production of fuel (36M metric tons).
 - Use of sold products emissions are based on estimated lifetime emissions of Boeing Defense, Space & Security aircraft product deliveries in 2021, including direct emissions from combustion of fuel (19M metric tons) and indirect emissions from production of fuel (3M metric tons).
 - GHG intensity includes Scope 1 and Scope 2 (market-based) GHG (CO₂, CH₄, N₂O, HFCs, PFCs, SF₆ and NF₃).
- Core metrics sites data represents emissions of CO₂, CH₄ and N₂O where we track a subset of emissions from natural gas combustion and purchased electricity associated with sites that represent the majority (70%) of Boeing operations.