

Facebook Sustainability Data 2017



Values are rounded; totals calculated before rounding. Values < 1,000 shown as 0.

Other leased data center facilities includes leased data center facilities that used less than 100,000 MWh of electricity in 2017.

Electricity Use (MWh)

| | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------------------|----------------|------------------|------------------|------------------|------------------|
| Altoona, IA | 0 | 30,000 | 174,000 | 342,000 | 500,000 |
| Clonee, Ireland | not yet online | not yet online | not yet online | 1,000 | 17,000 |
| Forest City, NC | 225,000 | 322,000 | 310,000 | 339,000 | 433,000 |
| Fort Worth, TX | not yet online | not yet online | 0 | 16,000 | 189,000 |
| Luleå, Sweden | 53,000 | 105,000 | 187,000 | 295,000 | 301,000 |
| Prineville, OR | 224,000 | 262,000 | 284,000 | 327,000 | 426,000 |
| East Coast Colocation Facility | 226,000 | 229,000 | 224,000 | 317,000 | 359,000 |
| Other Leased Data Center Facilities | 64,000 | 52,000 | 82,000 | 118,000 | 135,000 |
| Data Center Operations Total | 793,000 | 999,000 | 1,260,000 | 1,756,000 | 2,360,000 |
| Offices Total | 29,000 | 36,000 | 45,000 | 74,000 | 101,000 |
| | 2013 | 2014 | 2015 | 2016 | 2017 |
| Total Electricity Use | 822,000 | 1,035,000 | 1,306,000 | 1,830,000 | 2,460,000 |

Power Usage Effectiveness

| | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|------|------|------|------|------|
| Annual Data Center PUE | 1.09 | 1.08 | 1.09 | 1.10 | 1.10 |

Electricity Mix

| | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------|------|------|------|------|------|
| Clean & Renewable | 14% | 21% | 35% | 44% | 51% |
| Coal | 34% | 34% | 26% | 21% | 18% |
| Natural Gas | 17% | 15% | 17% | 16% | 13% |
| Nuclear | 23% | 23% | 18% | 16% | 14% |
| Uncategorized | 12% | 7% | 4% | 3% | 4% |

Greenhouse Gas Emissions (market-based metric tons CO2e)

| | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|
| Altoona, IA | not yet online | 0 | 1,000 | 1,000 | 1,000 |
| Clonee, Ireland | not yet online | not yet online | not yet online | 0 | 0 |
| Forest City, NC | 85,000 | 119,000 | 106,000 | 116,000 | 137,000 |
| Fort Worth, TX | not yet online | not yet online | not yet online | 0 | 1,000 |
| Luleå, Sweden | 0 | 0 | 0 | 0 | 0 |
| Prineville, OR | 162,000 | 187,000 | 207,000 | 239,000 | 293,000 |
| East Coast Colocation Facility | 91,000 | 103,000 | 81,000 | 115,000 | 122,000 |
| Other Leased Data Center Facilities | 19,000 | 18,000 | 28,000 | 45,000 | 49,000 |
| Data Center Operations Total | 358,000 | 427,000 | 423,000 | 516,000 | 603,000 |
| Offices Total | 15,000 | 17,000 | 28,000 | 39,000 | 35,000 |
| Construction | 45,000 | 34,000 | 96,000 | 56,000 | 191,000 |
| Corporate Travel | 23,000 | 29,000 | 52,000 | 64,000 | 94,000 |
| Employee Commuting | 10,000 | 13,000 | 30,000 | 36,000 | 57,000 |
| Other Business Activity Total | 78,000 | 76,000 | 178,000 | 156,000 | 341,000 |
| | 2013 | 2014 | 2015 | 2016 | 2017 |
| Total GHG Emissions | 451,000 | 520,000 | 629,000 | 711,000 | 979,000 |

Carbon Intensity (market-based Scope 1 & 2 metric tons CO2e / monthly active person)

| | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------------------------|---------|---------|---------|---------|---------|
| Annual Carbon Intensity | 0.00030 | 0.00032 | 0.00028 | 0.00030 | 0.00030 |

Greenhouse Gas Emissions by Scope (market-based metric tons CO2e)

| | 2013 | 2014 | 2015 | 2016 | 2017 |
|---------|----------------|----------------|----------------|----------------|----------------|
| Scope 1 | 10,000 2% | 6,000 1% | 9,000 1% | 15,000 2% | 20,000 2% |
| Scope 2 | 363,000 81% | 438,000 84% | 442,000 70% | 540,000 76% | 618,000 63% |
| Scope 3 | 78,000 17% | 76,000 15% | 178,000 28% | 156,000 22% | 341,000 35% |

Market-Based vs. Location-Based Scope 2 Data Center GHG Emissions (metric tons CO2e)

| | 2015 | | 2016 | | 2017 | |
|--------------------------------|----------------|----------------|----------------|----------------|--------------|----------------|
| | Market-Based | Location-Based | Market-Based | Location-Based | Market-Based | Location-Based |
| Altoona, IA | 0 | 113,000 | 0 | 222,000 | 0 | 283,000 |
| Clonee, Ireland | not yet online | not yet online | not yet online | 0 | 0 | 7,000 |
| Forest City, NC | 105,000 | 132,000 | 105,000 | 144,000 | 137,000 | 159,000 |
| Fort Worth, TX | not yet online | not yet online | not yet online | 8,000 | 0 | 87,000 |
| Luleå, Sweden | 0 | 2,000 | 0 | 4,000 | 0 | 4,000 |
| Prineville, OR | 207,000 | 86,000 | 207,000 | 99,000 | 293,000 | 127,000 |
| East Coast Colocation Facility | 81,000 | 95,000 | 81,000 | 136,000 | 122,000 | 132,000 |

Water Withdrawal* (cubic meters)

| | 2014 | 2015 | 2016 | 2017 |
|-------------------------------------|----------------|----------------|----------------|------------------|
| Altoona, IA | 18,000 | 44,000 | 87,000 | 106,000 |
| Clonee, Ireland | not yet online | not yet online | not yet online | 10,000 |
| Forest City, NC | 112,000 | 99,000 | 123,000 | 129,000 |
| Fort Worth, TX | not yet online | not yet online | 14,000 | 98,000 |
| Luleå, Sweden | 13,000 | 30,000 | 32,000 | 66,000 |
| Prineville, OR | 40,000 | 70,000 | 70,000 | 172,000 |
| East Coast Colocation Facility | 237,000 | 245,000 | 400,000 | 473,000 |
| Other Leased Data Center Facilities | 44,000 | 78,000 | 98,000 | 85,000 |
| Data Center Operations Total | 465,000 | 566,000 | 825,000 | 1,139,000 |
| Offices Total | 198,000 | 227,000 | 305,000 | 470,000 |

| | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|----------------|----------------|------------------|------------------|
| Total Water Withdrawal | 662,000 | 793,000 | 1,129,000 | 1,609,000 |
| Recycled Water | 238,000 | 255,000 | 426,000 | 469,000 |

Water Consumption (cubic meters)

| | 2014 | 2015 | 2016 | 2017 |
|--------------------------------|--------------------|--------------------|--------------------|----------------|
| Total Water Consumption | data not available | data not available | data not available | 838,000 |

Water Usage Effectiveness

| | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|------|------|------|------|
| Annual Data Center WUE | 0.32 | 0.24 | 0.21 | 0.24 |

Water Intensity (cubic meters / monthly active person)

| | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|---------|---------|---------|---------|
| Annual Water Intensity | 0.00048 | 0.00050 | 0.00061 | 0.00076 |

*Notes on Facebook's water withdrawal:

- 5% is ground water, and the remainder is provided by local utilities. 29% of total withdrawal is recycled/reused water. All unconsumed water is returned to utility-owned wastewater treatment plants

- 24% of water withdrawal occurs in high water stress areas (determined using WRI's Aqeduct tool)

- Not included in these figures are an additional 390,000 cubic meters of water withdrawn for the construction of Facebook data centers in 2017.