

Facebook Sustainability Data 2015



Values are rounded; totals calculated before rounding

Energy Use (kWh)

	2011	2012	2013	2014	2015
Altoona, IA	not yet online	not yet online	360,000	30,000,000	174,000,000
Forest City, NC	6,000,000	98,000,000	225,000,000	322,000,000	310,000,000
Fort Worth, TX	not yet online	not yet online	not yet online	not yet online	99,000
Luleå, Sweden	not yet online	5,000,000	53,000,000	105,000,000	187,000,000
Prineville, OR	71,000,000	153,000,000	224,000,000	262,000,000	284,000,000
East Coast Colocation Facility	205,000,000	237,000,000	226,000,000	229,000,000	224,000,000
West Coast Colocation Facility	227,000,000	185,000,000	58,000,000	38,000,000	54,000,000
Data Center Total	509,000,000	678,000,000	787,000,000	986,000,000	1,230,000,000
Office Space & Other Facilities	23,000,000	27,000,000	35,000,000	49,000,000	73,000,000

	2011	2012	2013	2014	2015
Total Energy Use	532,000,000	704,000,000	822,000,000	1,035,000,000	1,310,000,000

Power Usage Effectiveness

	2011	2012	2013	2014	2015
Annual Data Center PUE	1.08	1.09	1.09	1.08	1.09

Data Center Energy Mix

	2011	2012	2013	2014	2015
Clean & Renewable	23%	19%	14%	20%	35%
Coal	27%	34%	34%	34%	26%
Natural Gas	17%	15%	17%	15%	16%
Nuclear	13%	22%	23%	23%	18%
Uncategorized	20%	10%	12%	7%	4%

Carbon Footprint (metric tonnes CO₂e)

	2011	2012	2013	2014	2015
Altoona, IA	not yet online	not yet online	not yet online	390	500
Forest City, NC	3,000	41,000	85,000	119,000	106,000
Fort Worth, TX	not yet online	not yet online	not yet online	not yet online	0
Luleå, Sweden	not yet online	not yet online	70	60	100
Prineville, OR	48,000	104,000	162,000	187,000	207,000
East Coast Colocation Facility	101,000	117,000	91,000	103,000	81,000
West Coast Colocation Facility	44,000	36,000	17,000	11,000	14,000
Data Center Total	196,000	298,000	355,000	420,000	409,000
Corporate Travel	15,000	18,000	23,000	29,000	52,000
Hardware Transportation	6,000	11,000	7,000	8,000	19,000
Employee Commuting	8,000	10,000	10,000	13,000	30,000
Construction	36,000	35,000	45,000	34,000	96,000
Other Business Activity	65,000	73,000	85,000	84,000	198,000
Office Space & Other Facilities	13,000	13,000	17,000	24,000	42,000

	2011	2012	2013	2014	2015
Total Carbon Footprint	275,000	384,000	458,000	528,000	649,000

Carbon Intensity (metric tonnes CO₂e / monthly active person)

	2011	2012	2013	2014	2015
Annual Carbon Intensity	0.000249	0.000294	0.000311	0.000319	0.000281

Scope Breakdown

	2011	2012	2013	2014	2015
Scope 1	2%	1%	2%	1%	1%
Scope 2	75%	80%	79%	83%	69%
Scope 3	23%	19%	19%	16%	30%

Regional vs. Contractual Scope 2 Impact* (metric tonnes CO2e)

	2012		2013		2014		2015	
	Regional	Contractual	Regional	Contractual	Regional	Contractual	Regional	Contractual
Altoona, IA	0	0	300	0	21,000	0	113,000	0
Forest City, NC	46,000	41,000	106,000	85,000	157,000	118,000	132,000	105,000
Fort Worth, TX	na	na	na	na	na	na	50	0
Luleå, Sweden	160	0	1,600	0	1,000	0	2,000	0
Prineville, OR	57,000	103,000	84,000	158,000	100,000	186,000	100,000	207,000
East Coast Colocation Facility	112,000	117,000	107,000	91,000	112,000	103,000	95,000	81,000
West Coast Colocation Facility	55,000	36,000	17,000	17,000	11,000	11,000	16,000	14,000

Total Scope 2 Impact	270,000	297,000	316,000	351,000	402,000	418,000	447,000	407,000
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*Since 2012, we have made available two versions of our emissions data from energy used in our data centers: contractual impact and regional impact. We emphasize contractual emissions because we believe they provide a more accurate accounting of our impact but we feel it's important to share both versions in the spirit of transparency. Guidance from the World Resources Institute recommends sharing both sets of numbers. You can learn more about their Scope 2 guidance here: http://www.ghgprotocol.org/scope_2_guidance.

Water Use* (gallons)

	2014	2015
Altoona, IA	5,000,000	12,000,000
Forest City, NC	31,000,000	33,000,000
Fort Worth, TX	not yet online	not yet online
Luleå, Sweden	4,000,000	9,000,000
Prineville, OR	11,000,000	18,000,000
East Coast Colocation Facility	63,000,000	65,000,000
West Coast Colocation Facility	12,000,000	18,000,000
Data Center Total	125,000,000	155,000,000
Office Space & Other Facilities	56,000,000	66,000,000

	2014	2015
Total Water Use	181,000,000	221,000,000

Water Usage Effectiveness (data centers)

	2014	2015
Annual Data Center WUE	0.32	0.24

Water Intensity (gallons / monthly active person)

	2014	2015
Annual Water Intensity	0.13	0.14

*2014 was the first year we reported water data. In this report, water use refers to potable water withdrawal — the amount of potable water that we are receiving from local utilities. Recycled water is excluded. In 2015, we used 2,700,000 gallons of recycled water. In 2015, we refined our methodology for calculating our water use, and all data presented here reflects this updated.