

Community-wide energy consumption by city and year

Last updated: 1/30/2017 (Next update: 4/30/2017)

City	Year	Energy consumption (MMBtu)				Per capita energy consumption (MMBtu)					Source for energy consumption data
		Residential	Commercial & industrial	Transportation (on-road and transit)	Total	Population	Residential	Commercial & industrial	Transportation (on-road and transit)	Total	
Atlanta	2014	16,062,049	30,351,917	35,025,515	81,439,481	456,143	35.21	66.54	76.79	178.54	City of Atlanta Greenhouse Gas Emissions Inventory (2014)
Austin (Travis County) ^a	2013	22,422,960	30,007,603	62,947,275	115,377,838	1,120,954	20.00	26.77	56.16	102.93	Travis County 2013 Energy Use (2014)^b
Baltimore	2010	22,083,622	37,489,829	12,222,496	71,795,946	622,104	35.50	60.26	19.65	115.41	Baltimore Climate Action Plan (2013)
Boston	2006	15,556,614	46,444,765	17,732,846	79,734,225	612,192	25.41	75.87	28.97	130.24	Boston Greenhouse Gas Inventories (2013)
Boston	2007	16,895,680	47,913,297	17,834,127	82,643,104	622,748	27.13	76.94	28.64	132.71	Boston Greenhouse Gas Inventories (2013)
Boston	2008	17,322,220	47,928,641	17,938,752	83,189,613	636,748	27.20	75.27	28.17	130.65	Boston Greenhouse Gas Inventories (2013)
Boston	2009	16,924,249	46,310,829	17,880,732	81,115,810	645,169	26.23	71.78	27.71	125.73	Boston Greenhouse Gas Inventories (2013)
Boston	2010	17,828,551	46,404,726	17,948,394	82,181,671	618,147	28.84	75.07	29.04	132.95	Boston Greenhouse Gas Inventories (2013)
Boston	2011	16,295,364	43,746,456	18,030,451	78,072,271	625,087	26.07	69.98	28.84	124.90	Boston Greenhouse Gas Inventories (2013)
Chicago	2000	168,908,020	117,867,370	102,149,432	388,924,822	2,895,671	58.33	40.70	35.28	134.31	Chicago 2010 Regional Greenhouse Gas Emissions Inventory
Chicago	2005	153,276,660	113,737,730	105,414,827	372,429,217	2,842,518	53.92	40.01	37.09	131.02	Chicago 2010 Regional Greenhouse Gas Emissions Inventory
Chicago	2010	122,491,670	125,805,990	N/A	N/A	2,697,843	45.40	46.63	N/A	N/A	Chicago 2010 Regional Greenhouse Gas Emissions Inventory
Denver	2007	19,799,727	41,815,248	35,742,528	97,357,503	561,323	35.27	74.49	63.68	173.44	Greenhouse Gas Inventory for the City & County of Denver (2007) ^c
Denver	2015	19,517,253	37,518,513	35,795,272	92,831,038	682,545	28.59	54.97	52	136	Greenhouse Gas Inventory for the City & County of Denver (2015) ^c
Detroit	2011	31,047,678	24,165,327	N/A	N/A	706,201	43.96	34.22	N/A	N/A	City of Detroit Greenhouse Gas Inventory (2014)
Detroit	2012	26,598,475	22,414,172	N/A	N/A	701,475	37.92	31.95	N/A	N/A	City of Detroit Greenhouse Gas Inventory (2014)
Los Angeles	2010	192,473,000	88,850,000	N/A	N/A	9,820,000	19.60	9.05	N/A	N/A	Energy Atlas Los Angeles County (2010)
Las Vegas (Clark County) ^a	2005	25,528,328	59,938,567	72,811,460	158,278,355	1,729,522	14.76	34.66	42.10	91.52	Clark County Regional Emissions Inventory (2015)

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Las Vegas (Clark County) ^a	2006	24,830,717	77,340,273	76,876,722	179,047,712	1,803,774	13.77	42.88	42.62	99.26	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2007	25,300,000	64,841,980	25,300,000	167,932,184	1,867,817	13.55	34.72	41.65	89.91	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2008	25,531,058	72,443,686	73,730,284	171,705,029	1,912,349	13.35	37.88	38.55	89.79	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2009	25,330,034	62,742,321	73,073,218	161,145,574	1,939,407	13.06	32.35	37.68	83.09	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2010	25,829,693	75,342,663	78,954,760	180,127,116	1,953,378	13.22	38.57	40.42	92.21	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2011	26,232,082	70,943,345	80,231,498	177,406,925	1,967,290	13.33	36.06	40.78	90.18	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2012	24,531,400	73,444,028	80,931,300	178,906,727	1,998,204	12.28	36.76	40.50	89.53	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2013	27,331,400	76,641,639	84,611,938	188,584,976	2,028,421	13.47	37.78	41.71	92.97	Clark County Regional Emissions Inventory (2015)
Las Vegas (Clark County) ^a	2014	23,130,376	64,842,663	93,025,588	180,998,626	2,069,146	11.18	31.34	44.96	87.48	Clark County Regional Emissions Inventory (2015)
Louisville Metro ^a	1990	30,409,000	31,362,615	N/A	N/A	665,123	45.72	47.15	N/A	N/A	Greenhouse Gas Emissions Inventory Report Louisville/Jefferson County (2008)
Louisville Metro ^a	2006	31,596,964	32,563,764	N/A	N/A	703,998	44.88	46.26	N/A	N/A	Greenhouse Gas Emissions Inventory Report Louisville/Jefferson County (2008)
Minneapolis	2006	15,619,723	25,988,579	17,840,467	59,448,769	375,766	41.57	69.16	47.48	158.21	City of Minneapolis Greenhouse Gas Inventories (2010)
Minneapolis	2007	13,627,923	26,973,025	18,492,483	59,093,431	378,877	35.97	71.19	48.81	155.97	City of Minneapolis Greenhouse Gas Inventories (2010)
Minneapolis	2008	15,184,042	27,820,007	17,636,966	60,641,015	381,978	39.75	72.83	46.17	158.76	City of Minneapolis Greenhouse Gas Inventories (2010)
Minneapolis	2009	14,693,408	26,421,102	17,070,005	58,184,515	385,378	38.13	68.56	44.29	150.98	City of Minneapolis Greenhouse Gas Inventories (2010)
Minneapolis	2010	13,778,094	25,800,353	16,943,559	56,522,006	383,108	35.96	67.34	44.23	147.54	City of Minneapolis Greenhouse Gas Inventories (2010)

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Nashville and Davidson County ^a	2005	22,165,135	32,774,408	54,844,643	109,784,186	602,679	36.78	54.38	91.00	182.16	Baseline Inventory of Greenhouse Gas Emissions for Nashville (2009)
New York City	2005	386,026,144	471,834,474	140,227,117	998,087,735	8,213,839	47.00	57.44	17.07	121.51	Inventory of New York City Greenhouse Gas Emissions in 2014 (2016)
New York City	2013	362,268,906	448,979,791	136,097,829	947,346,526	8,405,837	43.10	53.41	16.19	112.70	Inventory of New York City Greenhouse Gas Emissions in 2014 (2016)
New York City	2014	363,383,312	460,081,837	136,109,809	959,574,958	8,495,194	42.78	54.16	16.02	112.96	Inventory of New York City Greenhouse Gas Emissions in 2014 (2016)
Oklahoma City	2009	21,679,046	32,726,109	N/A	N/A	560,333	38.69	58.40	N/A	N/A	GHG Inventory Report, Oklahoma City (2010)
Multnomah County (Portland) ^a	1990	18,213,657	41,478,972	40,496,128	100,188,756	583,887	31.19	71.04	69.36	171.59	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	1995	18,899,763	45,262,892	42,822,037	106,984,693	626,500	30.17	72.25	68.35	170.77	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	1999	20,742,547	46,883,360	43,590,893	111,216,801	646,850	32.07	72.48	67.39	171.94	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2000	21,252,977	47,263,843	42,888,934	111,405,754	660,486	32.18	71.56	64.94	168.67	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2001	21,046,569	43,977,756	42,762,443	107,786,769	669,766	31.42	65.66	63.85	160.93	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2002	20,809,800	42,028,568	45,558,427	108,396,796	676,775	30.75	62.10	67.32	160.17	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2003	20,160,363	39,106,310	44,651,428	103,918,101	679,187	29.68	57.58	65.74	153.00	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2004	19,973,515	40,166,618	44,380,191	104,520,325	672,660	29.69	59.71	65.98	155.38	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2005	20,012,237	39,363,621	43,682,800	103,058,657	675,175	29.64	58.30	64.70	152.64	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d

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Multnomah County (Portland) ^a	2006	20,637,761	40,908,674	45,090,014	106,636,448	684,693	30.14	59.75	65.85	155.74	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2007	21,028,937	40,276,996	46,018,960	107,324,893	699,186	30.08	57.61	65.82	153.50	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2008	21,801,276	40,736,147	43,125,477	105,662,899	714,567	30.51	57.01	60.35	147.87	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2009	22,457,596	39,424,770	43,080,558	104,962,924	726,855	30.90	54.24	59.27	144.41	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2010	20,554,741	38,477,825	43,370,406	102,402,971	735,334	27.95	52.33	58.98	139.26	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2011	21,979,192	40,516,391	42,388,174	104,883,756	747,977	29.38	54.17	56.67	140.22	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2012	20,591,565	39,004,728	41,509,633	101,105,926	758,817	27.14	51.40	54.70	133.24	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2013	21,275,617	38,753,433	41,611,816	101,640,866	766,082	27.77	50.59	54.32	132.68	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Multnomah County (Portland) ^a	2014	20,731,387	38,956,005	41,686,605	101,373,996	776,712	26.69	50.16	53.67	130.52	Multnomah County Greenhouse Gas Inventory (1990-2014) ^d
Philadelphia	2015	51,582,023	69,860,346	28,098,920	149,541,289	1,533,000	33.65	45.57	18.33	97.55	Greenworks Philadelphia (2015 Update)
Raleigh	2007	18,878,504	N/A	48,486,230	N/A	375,806	50.23	N/A	129.02	N/A	Community-wide Greenhouse Gas Emissions Inventory Raleigh (2012)
Raleigh	2010	21,778,837	N/A	53,304,704	N/A	406,499	53.58	N/A	131.13	N/A	Community-wide Greenhouse Gas Emissions Inventory Raleigh (2012)
Richmond	2008	7,559,940	N/A	N/A	N/A	202,002	37.43	N/A	N/A	N/A	City of Richmond 2008 Greenhouse Gas Emissions Inventory (2010)
Richmond	2015	7,276,052	16,761,322	9,125,555	33,162,929	220,289	33.03	76.09	41.43	150.54	City of Richmond 2015 Greenhouse Gas Emissions Inventory (2016) ^e

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Riverside	1990	5,204,008	3,738,373	9,549,055	18,491,435	226,546	22.97	16.50	42.15	81.62	City of Riverside Baseline Community Greenhouse Gas Emissions Inventory (2010)
Riverside	2000	5,669,970	6,036,731	12,923,053	24,629,753	255,166	22.22	23.66	50.65	96.52	City of Riverside Baseline Community Greenhouse Gas Emissions Inventory (2010)
Riverside	2007	6,029,579	7,943,267	14,303,521	28,276,367	290,601	20.75	27.33	49.22	97.30	City of Riverside Baseline Community Greenhouse Gas Emissions Inventory (2010)
Sacramento	2005	13,200,660	14,115,560	18,084,764	45,400,984	448,842	29.41	31.45	40.29	101.15	Greenhouse Gas Emissions Inventory for Sacramento County (2009)
San Diego	2010	22,308,786	46,512,613	100,005,935	168,827,334	1,311,886	17.01	35.45	76.23	128.69	2010, 2012, and 2015 City of San Diego Citywide Energy Use (2016) Prepared by the Energy Policy Initiatives Center (EPIC), University of San Diego ^f
San Diego	2012	22,347,217	48,435,178	89,590,511	160,372,907	1,338,354	16.70	36.19	66.94	119.83	2010, 2012, and 2015 City of San Diego Citywide Energy Use (2016) Prepared by the Energy Policy Initiatives Center (EPIC), University of San Diego ^f
San Diego	2015	19,546,602	47,139,993	87,165,202	153,851,797	1,394,907	14.01	33.79	62.49	110.30	2010, 2012, and 2015 City of San Diego Citywide Energy Use (2016) Prepared by the Energy Policy Initiatives Center (EPIC), University of San Diego ^f
San Francisco	1990	21,665,489	20,648,512	20,866,565	63,180,565	783,324	27.66	26.36	26.64	80.66	San Francisco Community-Wide Carbon Emissions (2011)
San Francisco	2000	20,481,301	22,145,552	22,940,096	65,566,949	777,885	26.33	28.47	29.49	84.29	San Francisco Community-Wide Carbon Emissions (2011)
San Francisco	2005	18,962,460	21,263,286	22,275,385	62,501,130	763,016	24.85	27.87	29.19	81.91	San Francisco Community-Wide Carbon Emissions (2011)
San Francisco	2010	19,597,043	21,910,736	22,117,193	63,624,971	805,463	24.33	27.20	27.46	78.99	San Francisco Community-Wide Carbon Emissions (2011)
San Jose	2008	18,875,310	18,810,107	N/A	N/A	948,279	19.90	19.84	N/A	N/A	Greenhouse Gas Emissions Inventory San Jose (2010)
Seattle	1990	20,000,000	19,900,000	20,246,180	60,146,180	516,332	38.73	38.54	39.21	116.49	2014 Seattle Community Greenhouse Gas Emissions Inventory (2016)

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Seattle	2005	19,000,000	26,000,000	23,077,440	68,077,440	575,036	33.04	45.21	40.13	118.39	2015 Seattle Community Greenhouse Gas Emissions Inventory (2016)
Seattle	2008	18,100,000	26,800,000	23,611,640	68,511,640	602,934	30.02	44.45	39.16	113.63	2016 Seattle Community Greenhouse Gas Emissions Inventory (2016)
Seattle	2012	17,300,000	26,600,000	24,466,360	68,366,360	634,545	27.26	41.92	38.56	107.74	2017 Seattle Community Greenhouse Gas Emissions Inventory (2016)
Seattle	2014	16,600,000	26,500,000	24,947,140	68,047,140	668,342	24.84	39.65	37.33	101.81	2018 Seattle Community Greenhouse Gas Emissions Inventory (2016)
St. Louis	2005	16,198,636	29,025,983	24,919,898	70,144,517	352,572	45.94	82.33	70.68	198.95	City of St. Louis 2005 & 2010 Greenhouse Gas Emissions Inventory Report
St. Louis	2010	15,497,749	27,575,503	20,729,249	63,802,501	319,008	48.58	86.44	64.98	200.00	City of St. Louis 2005 & 2010 Greenhouse Gas Emissions Inventory Report
Washington, DC	2006	16,539,420	52,646,645	26,875,415	96,061,480	570,681	28.98	92.25	47.09	168.33	District of Columbia Greenhouse Gas Inventory Update 2012-2013 (2014)
Washington, DC	2011	16,496,653	46,268,403	26,730,178	89,495,233	620,472	26.59	74.57	43.08	144.24	District of Columbia Greenhouse Gas Inventory Update 2012-2013 (2014)
Washington, DC	2012	15,569,765	42,958,556	22,750,101	81,278,421	635,342	24.51	67.61	35.81	127.93	District of Columbia Greenhouse Gas Inventory Update 2012-2013 (2014)
Washington, DC	2013	17,263,134	48,698,452	22,710,208	88,671,793	649,540	26.58	74.97	34.96	136.51	District of Columbia Greenhouse Gas Inventory Update 2012-2013 (2014)

Cities reported their energy consumption in different energy units across similar sectors in greenhouse gas inventories. We converted all reported energy values into Million British Thermal units (MMBtus) to present energy consumption in consistent terms. We then calculated a city's energy use per capita using the total energy use data and population data. Different cities included different sectors in their inventories. To account for these differences, we included sectors in our calculations only if energy consumption in those sectors was widely reported by other cities. We excluded energy used for waste management, air travel and airports, marine transportation, and transit system electricity use. The term "N/A" indicates that energy use data were not available for the given sector. ^a Data was only available at the metro or county level. ^b GHG inventory supplied by city of Austin; source not publicly available. ^c GHG inventory supplied by city of Denver; source not publicly available. ^d GHG inventory supplied by city of Portland; source not publicly available. ^e GHG inventory supplied by city of Richmond; source not publicly available. ^f GHG inventory supplied by city of San Diego; source not publicly available. *Sources:* Unless otherwise noted, greenhouse gas inventories noted above.

See the *2017 City Energy Efficiency Scorecard* (<http://aceee.org/local-policy/city-scorecard>) for more information. If you have any questions about the data, please contact Dave Ribeiro at dribeiro@aceee.org.

Local government operations energy use by city and year

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		Municipal Buildings	Transportation (On-Road and Off Road)	Total	Population	Total	
Atlanta	2007	1,838,181	N/A	N/A	519,569	N/A	City of Atlanta Greenhouse Gas Emissions Inventory (2009)
Austin (Travis County) ^a	2013	1,690,629	596,361	2,286,990	1,120,954	2.04	Travis County 2013 Energy Use (2014) ^b
Charlotte	2011	1,328,895	1,007,334	2,336,229	756,213	3.09	City of Charlotte Internal Environmental Operations Plan (2014)
Charlotte	2012	1,340,935	741,117	2,082,051	775,202	2.69	City of Charlotte Internal Environmental Operations Plan (2014)
Charlotte	2013	1,384,522	N/A	N/A	792,862	N/A	City of Charlotte Internal Environmental Operations Plan (2014)
Cleveland	2010	2,025,304	320,760	2,346,064	396,815	5.91	Sustainable Cleveland Municipal Action Plan (2013)
Denver	1993	N/A	108,970	N/A	492,047	N/A	Greenhouse Gas Inventory for the City and County of Denver (2007)
Denver	2000	116,778	138,535	255,313	556,094	0.46	Greenhouse Gas Inventory for the City and County of Denver (2007)
Denver	2005	149,225	122,013	271,238	561,323	0.48	Greenhouse Gas Inventory for the City and County of Denver (2007)
Detroit	2011	N/A	860,146	N/A	706,201	N/A	City of Detroit Greenhouse Gas Inventory (2014)
Detroit	2012	N/A	802,439	N/A	701,475	N/A	City of Detroit Greenhouse Gas Inventory (2014)
El Paso	2008 ^c	380,364	N/A	N/A	609,248	N/A	El Paso Municipal Energy Data (2014) ^d
El Paso	2009 ^c	357,139	N/A	N/A	620,456	N/A	El Paso Municipal Energy Data (2014) ^d
El Paso	2010 ^c	354,359	N/A	N/A	649,121	N/A	El Paso Municipal Energy Data (2014) ^d
El Paso	2011 ^c	319,866	N/A	N/A	663,977	N/A	El Paso Municipal Energy Data (2014) ^d
El Paso	2012 ^c	251,842	N/A	N/A	672,538	N/A	El Paso Municipal Energy Data (2014) ^d
El Paso	2013 ^c	321,578	N/A	N/A	674,433	N/A	El Paso Municipal Energy Data (2014) ^d
Las Vegas	2005	179,533	94,621	274,154	543,049	0.50	Las Vegas Government Greenhouse Gas Emissions Time Series Report (2009)

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Las Vegas	2006	186,238	101,754	287,992	550,515	0.52	Las Vegas Government Greenhouse Gas Emissions Time Series Report (2009)
Las Vegas	2007	190,487	99,069	289,556	556,260	0.52	Las Vegas Government Greenhouse Gas Emissions Time Series Report (2009)
Las Vegas	2008	243,430	102,358	345,788	558,383	0.62	Las Vegas Government Greenhouse Gas Emissions Time Series Report (2009)
Las Vegas	2015	234,130	88,093	322,224	623,747	0.52	CDP Cities 2016 Information Request: City of Las Vegas (2016)
Louisville Metro ^a	2006	3,503,467	147,109	3,650,576	703,998	5.19	Greenhouse Gas Emissions Inventory Report Louisville/Jefferson Metro Govt. (2008)
Nashville and Davidson County ^a	2005	2,135,389	1,153,846	3,289,235	602,679	5.46	Baseline Inventory of Greenhouse Gas Emissions for the Metropolitan Government of Nashville (2009)
New York	2006	47,788,695	4,784,082	52,572,777	8,214,426	6.40	Inventory of New York City Greenhouse Gas Emissions in 2014 (2016)
New York	2013	47,187,464	4,630,364	51,817,828	8,405,837	6.16	Inventory of New York City Greenhouse Gas Emissions in 2014 (2016)
New York	2014	51,967,173	4,591,543	56,558,716	8,491,079	6.66	Inventory of New York City Greenhouse Gas Emissions in 2014 (2016)
Oklahoma City	2009	702,038	460,857	1,162,895	560,333	2.08	GHG Inventory Report, Oklahoma City (2010)
Phoenix	2005	N/A	1,945,462	N/A	1,470,302	N/A	2012 Greenhouse Gas Inventory for Government Operations Phoenix
Phoenix	2012	1,324,568	1,481,785	2,806,353	1,488,750	1.89	2013 Greenhouse Gas Inventory for Government Operations Phoenix

Local government operations energy use by city and year

Last updated: 1/31/2017 (Next update: 4/30/2017)

City	Year	Energy consumption (MMBtu)			Per capita energy consumption (MMBtu)		Source for energy consumption data
		Municipal Buildings	Transportation (On-Road and Off Road)	Total	Population	Total	
Portland	2006	564,323	229,408	793,731	684,693	1.16	Energy Use City of Portland Government Operations FY 06/07-FY 13/14 ^e
Portland	2007	569,448	213,875	783,323	699,186	1.12	Energy Use City of Portland Government Operations FY 06/07-FY 13/14 ^e
Portland	2010	483,219	218,020	701,239	735,334	0.95	Energy Use City of Portland Government Operations FY 06/07-FY 13/14 ^e
Portland	2011	506,937	225,096	732,033	747,977	0.98	Energy Use City of Portland Government Operations FY 06/07-FY 13/14 ^e
Portland	2012	456,717	227,545	684,262	758,817	0.90	Energy Use City of Portland Government Operations FY 06/07-FY 13/14 ^e
Portland	2013	479,548	232,908	712,456	766,082	0.93	Energy Use City of Portland Government Operations FY 06/07-FY 13/14 ^e
Portland	2014	462,672	230,152	692,824	776,712	0.89	Energy Use City of Portland Government Operations FY 06/07-FY 13/14 ^e
Raleigh	2007	489,778	293,684	783,462	379,106	2.07	City of Raleigh Greenhouse Gas Inventory: Municipal Operations (2010)
Richmond	2008	N/A	309,273	N/A	202,867	N/A	City of Richmond Greenhouse Gas Emissions Inventory (2008)
Sacramento	2005	465,732	268,094	733,826	448,842	1.63	Greenhouse Gas Emissions Inventory for Sacramento County (2009)

Local government operations energy use by city and year

Last updated: 1/31/2017 (Next update: 4/30/2017)

City	Year	Energy consumption (MMBtu)			Per capita energy consumption (MMBtu)		Source for energy consumption data
		Municipal Buildings	Transportation (On-Road and Off Road)	Total	Population	Total	
San Diego	2015	977,807	528,441	1,506,248	1,394,928	1.08	2015 San Diego Government Operations Energy Use (2016) - Prepared by the Energy Policy Initiatives Center (EPIC), University of San Diego ^f
San Francisco	1990	4,422,823	N/A	N/A	723,959	N/A	San Francisco Community-Wide Carbon Emissions (2010)
San Francisco	2000	5,613,151	N/A	N/A	777,360	N/A	San Francisco Community-Wide Carbon Emissions (2010)
San Francisco	2005	5,085,479	N/A	N/A	777,660	N/A	San Francisco Community-Wide Carbon Emissions (2010)
San Francisco	2010	5,159,468	N/A	N/A	805,235	N/A	San Francisco Community-Wide Carbon Emissions (2010)
San Jose	2008	867,728	N/A	N/A	948,686	N/A	Greenhouse Gas Emissions San Jose (2010)
Seattle	1990	342,000	262,612	604,612	516,332	1.17	City of Seattle Municipal Greenhouse Gas Emissions Inventory (2010)
Seattle	2005	277,000	220,185	497,185	575,036	0.86	City of Seattle Municipal Greenhouse Gas Emissions Inventory (2010)
Seattle	2008	292,000	208,770	500,770	602,934	0.83	City of Seattle Municipal Greenhouse Gas Emissions Inventory (2010)
Seattle	2009	268,000	275,041	543,041	616,627	0.88	City of Seattle Municipal Greenhouse Gas Emissions Inventory (2010)
Seattle	2010	235,000	320,092	555,092	608,660	0.91	City of Seattle Municipal Greenhouse Gas Emissions Inventory (2010)
St. Louis	2005	528,252	295,764	824,016	344,362	2.39	City of St. Louis 2005 & 2010 Greenhouse Gas Emissions Inventory Report
St. Louis	2010	610,273	283,417	893,690	319,294	2.80	City of St. Louis 2005 & 2010 Greenhouse Gas Emissions Inventory Report

Local government operations energy use by city and year

Last updated: 1/31/2017 (Next update: 4/30/2017)

City	Year	Energy consumption (MMBtu)			Per capita energy consumption (MMBtu)		Source for energy consumption data
		Municipal Buildings	Transportation (On-Road and Off Road)	Total	Population	Total	
Washington	2006	4,158,250	646,536	4,804,786	583,978	8.23	District of Columbia Greenhouse Gas Emissions Inventory (2006)

Cities reported their energy consumption in different energy units across similar sectors in greenhouse gas inventories. We converted all reported energy values into Million British Thermal units (MMBtus) to present energy consumption in consistent terms. We then calculated a city's energy use per capita using the total energy use data and population data. Ideally, we would normalize this data by a government-specific indicator, such as government employees or municipal floor space, but this was not widely reported in inventories so we normalized the data by citywide population. Different cities included different sectors in their inventories. To account for these differences, we included sectors in our calculations only if energy consumption in those sectors was widely reported by other cities. We excluded energy used for airport operations, water delivery and wastewater treatment, streetlights, and employee commutes to work. The term "N/A" indicates that energy use data were not available for the given sector. ^a Data was only available at the metro or county level. ^b Energy consumption data supplied by Travis County; source not publicly available. ^c Energy consumption by fiscal year, not calendar year. ^d Energy consumption data supplied by city of El Paso; source not publicly available. ^e Energy consumption data supplied by city of Portland; source not publicly available. ^f Energy consumption data supplied by city of Portland; source not publicly available. *Sources* : Unless otherwise noted, greenhouse gas inventories noted above.

See the *2017 City Energy Efficiency Scorecard* (<http://aceee.org/local-policy/city-scorecard>) for more information. If you have any questions about the data, please contact Dave Ribeiro at dribeiro@aceee.org.