

CLEAN JOBS CITIES

1.8 Million Employed in America's Top 50 Clean Job Metros¹

CITIES AND SUBURBS ACROSS US ARE DRIVING CLEAN ENERGY JOB GROWTH

- // **U.S. cities and states are leading America's efforts to fight climate change** and reduce energy costs for businesses and consumers with local policies that encourage renewable energy, energy efficiency and better, cleaner transportation. In doing so, cities are also creating jobs and driving local economic growth.
- // The Top 50 metro areas for clean jobs employ 1.8 million workers in clean energy technologies, **accounting for more than one out of every two clean energy jobs** in the country. These are Americans who go to work each day making downtown skyscrapers more energy efficient; manufacturing Energy Star appliances and clean vehicles; installing solar panels on urban warehouses and suburban homes.
- // Unsurprisingly, the country's biggest metropolitan areas — **New York and Los Angeles** — have the most clean energy workers. But others metro areas — such as **Detroit, San Diego, Chicago, Boston and Dallas** — also rank high on the list.

IN PERSPECTIVE

33 States and the District of Columbia are home to *Clean Jobs Cities* Top 50 metros for clean energy jobs, accounting for every region in the continental U.S.

10K All *Clean Jobs Cities* Top 50 metros employ more than 10,000 clean energy workers

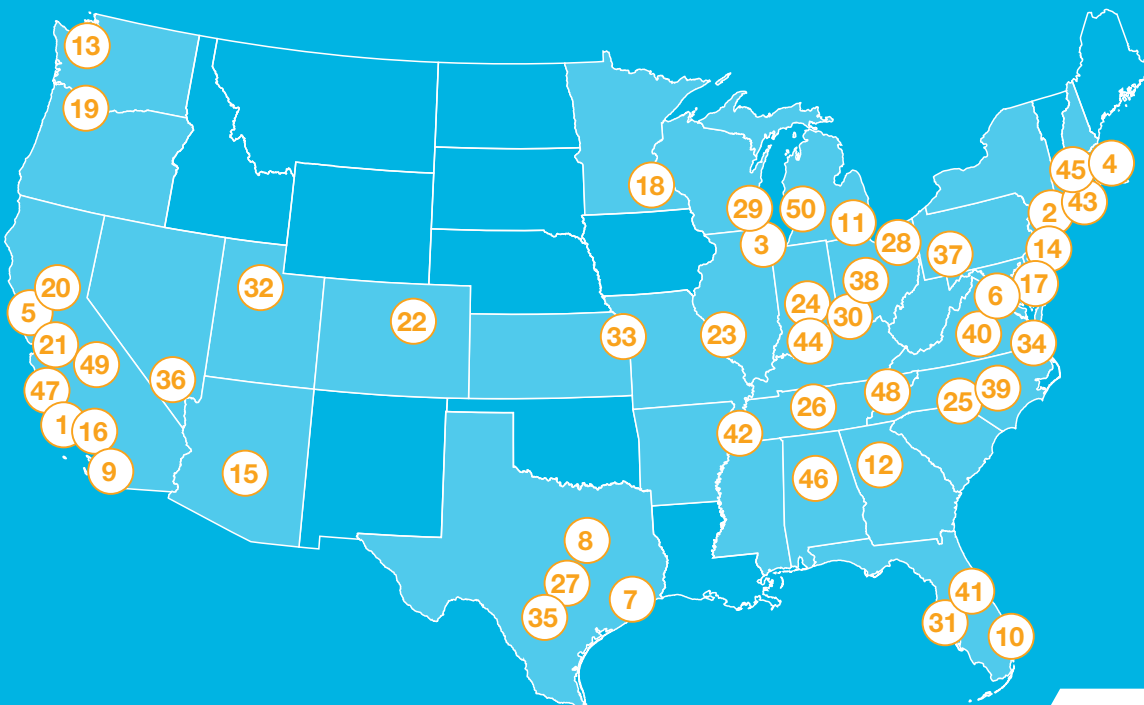
58% The *Clean Jobs Cities* Top 50 metros make up 58% of the nation's 3.2 million clean energy jobs

SEVEN States have three or more cities ranked in the *Clean Jobs Cities* Top 50 metros, lead by California (8) and Texas (4)

162,051 More Americans in just the *Clean Jobs Cities* Top 50 metros work in energy efficiency than the entire nationwide fossil fuel industry

CLEAN JOBS CITIES | GROWING AMERICA'S CLEAN ENERGY JOBS

Clean energy employs more people in these metro areas alone than the fossil fuel industry employs nationwide. In all, about 3.2 million Americans work in clean energy — nearly 3X as many who work in fossil fuels.



Clean Jobs Cities | America's Top 50 Clean Energy Jobs Engines

Rank	Metro	Clean Energy Jobs*	Renewable Energy Jobs	Energy Efficiency Jobs
1	Los Angeles-Long Beach-Santa Ana (CA)	162,688	41,296	102,586
2	New York City-Northern NJ-Long Island (NY-NJ-PA)	136,997	21,550	102,561
3	Chicago-Naperville-Joliet (IL-IN-WI)	95,287	14,262	68,016
4	Boston-Cambridge-Quincy (MA-NH)	88,480	18,465	62,464
5	San Francisco-Oakland-Fremont (CA)	87,695	34,494	45,240
6	District of Columbia-Arlington-Alexandria (DC-VA-MD-WV)	83,456	8,102	69,974
7	Houston-Sugar Land-Baytown (TX)	60,088	10,123	41,443
8	Dallas-Fort Worth-Arlington (TX)	56,484	8,310	39,915
9	San Diego-Carlsbad-San Marcos (CA)	56,291	18,167	32,756
10	Miami-Fort Lauderdale-Pompano Beach (FL)	54,394	9,495	39,294
11	Detroit-Warren-Livonia (MI)	53,477	5,208	36,520
12	Atlanta-Sandy Springs-Marietta, (GA)	49,330	4,562	37,689
13	Seattle-Tacoma-Bellevue, (WA)	45,820	6,840	34,088
14	Philadelphia-Camden-Wilmington (PA-NJ-DE-MD)	45,733	4,788	35,498
15	Phoenix-Mesa-Scottsdale (AZ)	41,722	9,019	28,920
16	Riverside-San Bernardino-Ontario (CA)	39,548	11,003	24,571
17	Baltimore-Towson, (MD)	38,072	3,793	31,917
18	Minneapolis-St. Paul-Bloomington (MN-WI)	36,813	5,549	27,200
19	Portland-Vancouver-Beaverton (OR-WA)	32,999	5,125	24,598
20	Sacramento-Arden-Arcade-Roseville (CA)	31,179	10,066	18,158
21	San Jose-Sunnyvale-Santa Clara (CA)	30,713	9,381	18,373
22	Denver-Aurora (CO)	29,423	9,526	15,844
23	St. Louis (MO-IL)	26,237	2,491	19,458
24	Indianapolis-Carmel (IN)	24,265	2,004	16,422
25	Charlotte-Gastonia-Concord (NC-SC)	23,580	2,722	18,221
26	Nashville-Davidson-Murfreesboro-Franklin (TN)	22,102	1,757	14,709
27	Austin-Round Rock (TX)	21,923	4,593	14,390
28	Cleveland-Elyria-Mentor (OH)	21,659	2,047	15,866
29	Milwaukee-Waukesha-West Allis (WI)	20,127	1,405	16,836
30	Cincinnati-Middletown (OH-KY-IN)	19,692	1,576	14,211
31	Tampa-St. Petersburg-Clearwater (FL)	19,554	2,882	14,588
32	Salt Lake City (UT)	19,076	1,929	15,527
33	Kansas City (MO-KS)	18,437	2,359	13,256
34	Virginia Beach-Norfolk-Newport News (VA-NC)	18,097	1,464	15,142
35	San Antonio (TX)	17,751	3,550	11,806
36	Las Vegas-Paradise (NV)	17,720	8,689	6,893
37	Pittsburgh (PA)	17,178	1,659	12,992
38	Columbus (OH)	16,820	1,038	12,747
39	Raleigh-Cary (NC)	15,575	1,673	12,215
40	Richmond (VA)	15,416	1,356	12,773
41	Orlando-Kissimmee (FL)	15,312	2,258	11,415
42	Memphis (TN-AR-MS)	15,090	727	10,474
43	Bridgeport-Stamford-Norwalk (CT)	13,716	873	11,849
44	Louisville/Jefferson County (KY-IN)	13,370	730	9,224
45	Hartford-West Hartford-East Hartford (CT)	13,274	1,617	10,776
46	Birmingham-Hoover (AL)	12,491	1,032	9,032
47	Oxnard-Thousand Oaks-Ventura (CA)	10,962	2,655	7,144
48	Knoxville (TN)	10,591	613	7,204
49	Fresno (CA)	10,578	2,619	6,766
50	Grand Rapids-Wyoming (MI)	10,468	894	7,252
TOTAL		1,837,753	328,336	1,286,816

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E2 (Environmental Entrepreneurs) is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy.

www.e2.org/cleanjobscities
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#cleanjobsamerica

For more information, contact E2 Director of Advocacy Grant Carlisle gcarlisle@e2.org



Clean Jobs Count is a campaign to raise awareness of the economic importance of the clean economy. Visit www.cleanjobscount.org to join thousands of business leaders, workers and others to tell lawmakers and policymakers that clean jobs count.

ENDNOTE

¹Unless otherwise stated, all data is from the 2018 U.S. Energy and Employment Report, May 2018. See Pages 15–17 for methodology description. For more questions regarding methodology, visit www.e2.org/cleanjobsamerica/FAQ

*Total includes all clean energy jobs categories, including solar, wind, energy efficiency, clean vehicles, battery storage, advanced biofuels, low-impact hydro and other areas.