CLEAN JOBS NEW YORK

148,453 CLEAN ENERGY JOBS ACROSS NEW YORK¹

CLEAN JOBS RISE IN EMPIRE STATE

Encompassing nearly 150,000 jobs, New York's booming clean energy economy employs more New Yorkers than giants like Northwell Health (around 54,000 workers), Mount Sinai Health System (32,000) and Walmart (28,000). New York ranks in the nation's top 10 for jobs in energy efficiency (No. 3), solar (No. 3), advanced transportation (No. 9), and wind (No. 10). Among all U.S. cities, New York City has the second most clean energy jobs.

With the adoption of various policies and programs through its Reforming the Energy Vision (REV) initiative, New York has expanded clean energy development and deployment, creating additional job opportunities and making clean energy more affordable—all while reducing greenhouse gas emissions. New York has set aggressive renewable energy and energy storage goals, including a strong offshore wind target and solar program, and is speeding up transportation sector electrification. Recently, New York adopted an ambitious energy efficiency target and released a roadmap to achieve it, including a workforce development program for nearly 20,000 New Yorkers. This framework was followed by bold commitments to move toward 100% clean electricity and carbon neutrality. To drive more clean energy job growth, New York must continue to prioritize energy efficiency and implement policies that help increase private investment in low-carbon transportation, solar, and wind.

CLEAN ENERGY JOBS IN PERSPECTIVE

New York ranks in the Top 5 of every major clean job category including total jobs (No. 4), renewable energy jobs (No. 5), and energy efficiency jobs (No. 3)

135,507

Clean energy jobs outnumber fossil Tuel jobs in New York by over 135.000

11.5% **VETERANS**

of New York's clean energy workforce are veterans

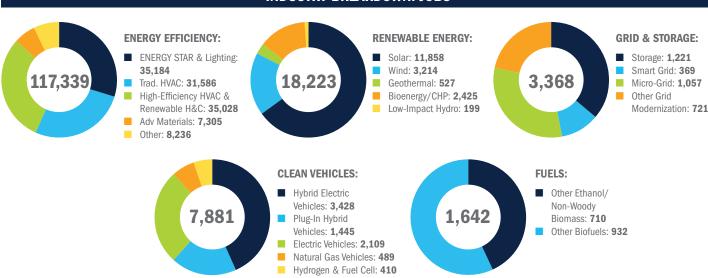
All 62 COUNTIES

in New York employ workers in clean energy

No. 2

The New York City metro area has the second most clean energy jobs in the country

INDUSTRY BREAKDOWN: JOBS



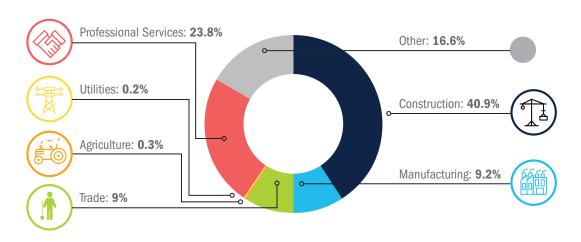


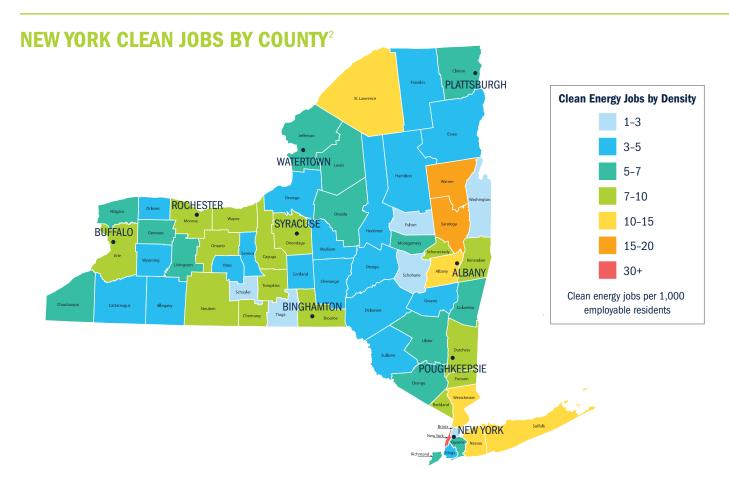
WWW.E2.ORG/CLEANJOBSNY WWW.CLEANJOBSCOUNT.ORG #CLEANJOBSNY #CLEANJOBSAMERICA For more information, contact E2 Eastern States Advocate Noah Dubin at ndubin@e2.org.

For questions regarding this report, visit E2's Clean Jobs America FAQ at www.e2.org/cleanjobsamerica/FAQ.



CLEAN JOBS BREAKDOWN BY VALUE CHAIN





BEYOND THE BIG CITIES: CLEAN ENERGY JOBS THROUGHOUT

THE STATE



More than 1 out of every 7 New York clean energy jobs are in counties with populations under 300,000

20 JOBS PER **1,000** EMPLOYABLE RESIDENTS

Saratoga County has the 2nd highest clean energy jobs density with nearly 20 jobs per 1,000 employable residents trailing only New York County (30.08) 9,500+

Over 9,500 clean energy inhs are in rural areas

TOP LAWMAKER DISTRICTS FOR CLEAN ENERGY JOBS

Data shows that distribution of clean energy jobs in New York crosses all political boundaries, with clean energy jobs in every congressional and state legislative district.

U.S. CONGRESSIONAL DISTRICT

U.S. CONGRESSIONAL DISTRICT			
District	Clean Energy Jobs	Renewable Energy Jobs	Energy Efficiency Jobs
1 (Rep. Zeldin)	10,031	1,567	7,622
2 (Rep. King)	5,310	641	4,203
3 (Rep. Suozzi)	8,587	1,000	6,837
4 (Rep. Rice)	6,645	770	5,288
5 (Rep. Meeks)	2,015	211	1,624
6 (Rep. Meng)	3,474	359	2,804
7 (Rep. Velázquez)	9,409	1,003	7,584
8 (Rep. Jeffries)	2,413	238	1,963
9 (Rep. Clarke)	1,086	108	880
10 (Rep. Nadler)	12,057	1,418	9,569
11 (Rep. Rose)	2,805	283	2,266
12 (Rep. Maloney)	12,857	1,658	10,090
13 (Rep. Espaillat)	1,010	111	809
14 (Rep. Ocasio- Cortez)	1,996	206	1,612

District	Clean Energy Jobs	Renewable Energy Jobs	Energy Efficiency Jobs
15 (Rep. Serrano)	1,593	419	1,059
16 (Rep. Engel)	4,217	413	3,450
17 (Rep. Lowey)	8,285	1,342	6,257
18 (Rep. Maloney)	6,402	686	5,140
19 (Rep. Delgado)	6,117	718	4,864
20 (Rep. Tonko)	6,569	854	5,153
21 (Rep. Stefanik)	4,622	861	3,391
22 (Rep. Brindisi)	4,639	441	3,784
23 (Rep. Reed)	5,188	558	4,167
24 (Rep. Katko)	6,040	648	4,861
25 (Rep. Morelle)	5,352	480	4,389
26 (Rep. Higgins)	6,332	884	4,923
27 (Rep. Collins)	3,402	347	2,748

STATE SENATE DISTRICTS

District	Clean Energy Jobs
1 (Sen. LaValle)	4,338
2 (Sen. Flanagan)	6,360
3 (Sen. Martinez)	3,162
4 (Sen. Boyle)	1,089
5 (Sen. Gaughran)	3,429
6 (Sen. Thomas)	5,715
7 (Sen. Kaplan)	2,624
8 (Sen. Brooks)	1,351
9 (Sen. Kaminsky)	1,247
10 (Sen. Sanders Jr.)	1,617
11 (Sen. Liu)	2,435
12 (Sen. Gianaris)	3,134
13 (Sen. Ramos)	861
14 (Sen. Comrie)	463
15 (Sen. Addabbo Jr.)	394
16 (Sen. Stavisky)	227
17 (Sen. Felder)	3,961
18 (Sen. Salazar)	2,259
19 (Sen. Persaud)	463
20 (Sen. Myrie)	1,432
21 (Sen. Parker)	<100

District	Clean Energy Jobs
22 (Sen. Gounardes)	488
23 (Sen. Savino)	1,603
24 (Sen. Lanza)	962
25 (Sen. Montgomery)	1,029
26 (Sen. Kavanagh)	7,492
27 (Sen. Hoylman)	17,205
28 (Sen. Krueger)	1,366
29 (Sen. Serrano)	1,368
30 (Sen. Benjamin)	684
31 (Sen. Jackson)	402
32 (Sen. Sepúlveda)	1,375
33 (Sen. Rivera)	201
34 (Sen. Biaggi)	1,261
35 (Sen. Stewart-Cousins)	4,865
36 (Sen. Bailey)	317
37 (Sen. Mayer)	2,785
38 (Sen. Carlucci)	2,946
39 (Sen. Skoufis)	2,718
40 (Sen. Harckham)	2,661
41 (Sen. Serino)	2,304
42 (Sen. Metzger)	2,406

District	Clean Energy Jobs
43 (Sen. Jordan)	3,795
44 (Sen. Breslin)	3,289
45 (Sen. Little)	2,610
46 (Sen. Amedore Jr.)	1,891
47 (Sen. Griffo)	2,361
48 (Sen. Ritchie)	980
49 (Sen. Tedisco)	963
50 (Sen. Antonacci)	4,605
51 (Sen. Seward)	2,118
52 (Sen. Akshar)	1,756
53 (Sen. May)	485
54 (Sen. Helming)	2,387
55 (Sen. Funke)	2,352
56 (Sen. Robach)	2,972
57 (Sen. Young)	2,199
58 (Sen. O'Mara)	1,252
59 (Sen. Gallivan)	3,569
60 (Sen. Jacobs)	2,893
61 (Sen. Ranzenhofer)	1,281
62 (Sen. Ortt)	1,441
63 (Sen. Kennedy)	256

CLEAN JOBS NEW YORK

STATE HOUSE DISTRICTS

District	Clean Energy Jobs
1 (Asm. Thiele Jr.)	2,535
2 (Asm. Palumbo)	1,027
3 (Asm. DeStefano)	1,144
4 (Asm. Englebright)	834
5 (Asm. Smith)	1,736
6 (Asm. Ramos)	1,714
7 (Asm. Garbarino)	1,353
8 (Asm. Fitzpatrick)	1,260
9 (Asm. LiPetri)	2,052
10 (Asm. Stern)	2,713
11 (Asm. Jean-Pierre)	164
12 (Asm. Raia)	<100
13 (Asm. Lavine)	3,590
14 (Asm. McDonough)	1,268
15 (Asm. Montesano)	530
16 (Asm. D'Urso)	2,857
17 (Asm. Mikulin)	178
18 (Asm. Raynor)	2,141
19 (Asm. Ra)	304
20 (Asm. Miller)	1,217
21 (Asm. Griffin)	692
22 (Asm. Solages)	118
23 (Asm. Pheffer Amato)	703
24 (Asm. Weprin)	1,116
25 (Asm. Rozic)	946
26 (Asm. Braunstein)	638
27 (Asm. Rosenthal)	1,380
28 (Asm. Hevesi)	651
29 (Asm. Hyndman)	539
30 (Asm. Barnwell)	2,146
31 (Asm. Titus)	<100
32 (Asm. Cook)	<100
33 (Asm. Vanel)	<100
34 (Asm. DenDekker)	255
35 (Asm. Aubry)	<100
36 (Asm. Simotas)	417
37 (Asm. Nolan)	<100
38 (Asm. Miller)	<100
39 (Asm. Cruz)	<100
40 (Asm. Kim)	<100
41 (Asm. Weinstein)	1,904

District	Clean Energy
District	Jobs
42 (Asm. Bichotte)	457
43 (Asm. Richardson)	405
44 (Asm. Carroll)	921
45 (Asm. Cymbrowitz)	631
46 (Asm. Frontus)	483
47 (Asm. Colton)	<100
48 (Asm. Eichenstein)	<100
49 (Asm. Abbate Jr.)	257
50 (Asm. Lentol)	1,275
51 (Asm. Ortiz)	539
52 (Asm. Simon)	1,326
53 (Asm. Davila)	395
54 (Asm. Dilan)	566
55 (Asm. Walker)	126
56 (Asm. Wright)	<100
57 (Asm. Mosley)	<100
58 (Asm. Perry)	303
59 (Asm. Williams)	<100
60 (Asm. Barron)	<100
61 (Asm. Fall)	1,528
62 (Asm. Reilly)	940
63 (Asm. Cusick)	<100
64 (Asm. Malliotakis)	<100
65 (Asm. Niou)	6,957
66 (Asm. Glick)	1,130
67 (Asm. Rosenthal)	3,762
68 (Asm. Rodriguez)	584
69 (Asm. O'Donnell)	<100
70 (Asm. Dickens)	138
71 (Asm. Taylor)	236
72 (Asm. De La Rosa)	<100
73 (Asm. Quart)	8,951
74 (Asm. Epstein)	771
75 (Asm. Gottfried)	4,768
76 (Asm. Seawright)	<100
77 (Asm. Joyner)	704
78 (Asm. Rivera)	742
79 (Asm. Blake)	230
80 (Asm. Fernandez)	369
81 (Asm. Dinowitz)	327
82 (Asm. Benedetto)	189

District	Clean Energy Jobs
83 (Asm. Heastie)	<100
84 (Asm. Arroyo)	684
85 (Asm. Crespo)	154
86 (Asm. Pichardo)	<100
87 (Asm. Reyes)	<100
88 (Asm. Paulin)	2,665
89 (Asm. Pretlow)	1,015
90 (Asm. Sayegh)	479
91 (Asm. Otis)	1,775
92 (Asm. Abinanti)	2,176
93 (Asm. Buchwald)	1,608
94 (Asm. Byrne)	1,082
95 (Asm. Galef)	417
96 (Asm. Zebrowski)	2,639
97 (Asm. Jafee)	311
98 (Asm. Brabenec)	1,453
99 (Asm. Schmitt)	1,383
100 (Asm. Gunther)	662
101 (Asm. Miller)	1,821
102 (Asm. Tague)	1,449
103 (Asm. Cahill)	1,446
104 (Asm. Jacobson)	857
105 (Asm. Lalor)	829
106 (Asm. Barrett)	471
107 (Asm. Ashby)	1,544
108 (Asm. McDonald III)	1,657
109 (Asm. Fahy)	1,183
110 (Asm. Steck)	894
111 (Asm. Santabarbara)	463
112 (Asm. Walsh)	1,999
113 (Asm. Woerner)	1,020
114 (Asm. Stec)	901
115 (Asm. Jones)	1,087
116 (Asm. Walczyk)	794
117 (Asm. Blankenbush)	725
118 (Asm. Smullen)	356
119 (Asm. Buttenschon)	171
120 (Asm. Barclay)	817
121 (Asm. Salka)	647
122 (Asm. Crouch)	1,593
123 (Asm. Lupardo)	266

CLEAN JOBS NEW YORK

STATE HOUSE DISTRICTS CONTINUED

District	Clean Energy Jobs
124 (Asm. Friend)	855
125 (Asm. Lifton)	1,110
126 (Asm. Finch)	1,073
127 (Asm. Stirpe)	1,327
128 (Asm. Hunter)	1,897
129 (Asm. Magnarelli)	133
130 (Asm. Manktelow)	1,520
131 (Asm. Kolb)	1,491
132 (Asm. Palmesano)	718

District	Clean Energy Jobs
133 (Asm. Byrnes)	1,285
134 (Asm. Lawrence)	1,480
135 (Asm. Johns)	267
136 (Asm. Romeo)	750
137 (Asm. Gantt)	1,328
138 (Asm. Bronson)	<100
139 (Asm. Hawley)	616
140 (Asm. Schimminger)	1,100
141 (Asm. Peoples-Stokes)	2,222

District	Clean Energy Jobs
142 (Asm. Burke)	1,222
143 (Asm. Wallace)	1,719
144 (Asm. Norris)	791
145 (Asm. Morinello)	591
146 (Asm. McMahon)	275
147 (Asm. DiPietro)	749
148 (Asm. Giglio)	688
149 (Asm. Ryan)	137
150 (Asm. Goodell)	942

ENDNOTES

- Unless otherwise stated, all data is from the 2018 U.S. Energy & Employment Report (USEER) released in May 2018 by the National Association of State Energy Officials and the Energy Futures Initiative. Visit www.usenergyjobs.org to download USEER and see pages 15-17 for methodology questions. This fact sheet differs from previous reports released by E2 in New York as the methodology has been adjusted to more accurately count the number of clean energy workers in the state. For more questions regarding methodology, visit www.e2.org/cleanjobsamerica/FAQ.
- 2 County population data based on 2017 estimates from the U.S. Census Bureau accessible at https://factfinder.census.gov.



E2 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.



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.