

New York

Energy Efficiency Jobs in America

129,946

Total Jobs

What are EE jobs?

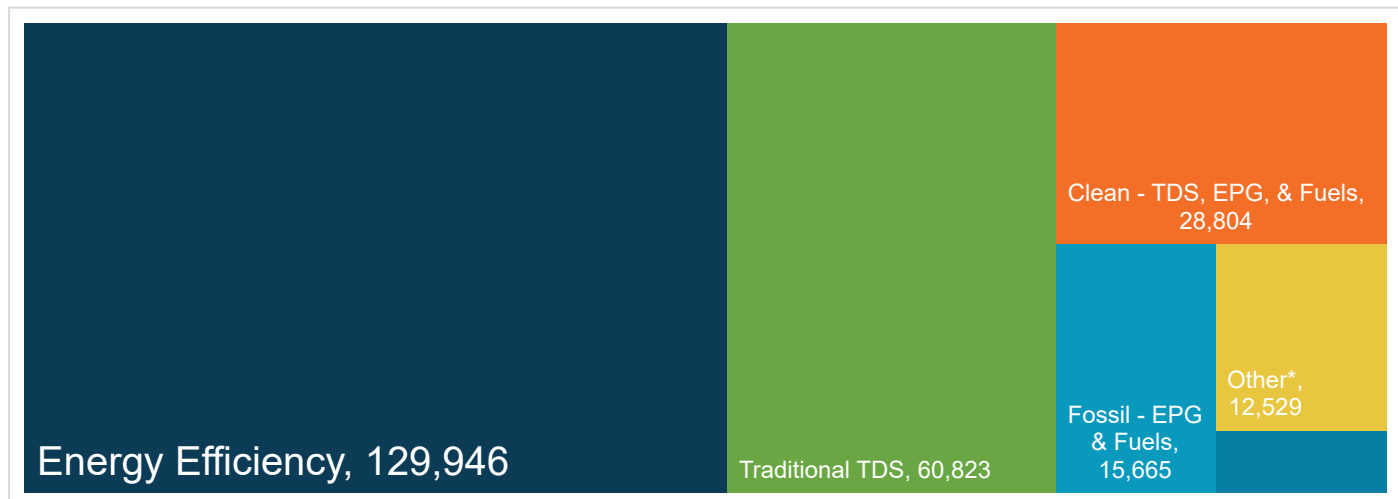
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

What do EE workers do?

- **Manufacture and install** high-efficiency systems, controls, windows, insulation, and ENERGY STAR-certified appliances and products in existing and new homes, commercial and industrial buildings.
- **Design and construct** high-performance buildings such as those earning nationally recognized sustainability and environmental performance ratings.
- **Upgrade and repair** heating, air conditioning, and ventilation (HVAC) and water heating equipment.
- **Educate** property owners and managers on building improvements to unlock savings for businesses, homeowners, schools, states, municipalities, military bases, and more.
- **Analyze building data** using software to maximize energy savings through targeted performance improvements and behavioral changes.
- **Review and approve loans** to finance energy savings performance contracts to improve the comfort, health, and operational costs of buildings.

How does EE compare in New York?

Energy efficiency is the largest energy sector in New York.



TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 4,208

*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

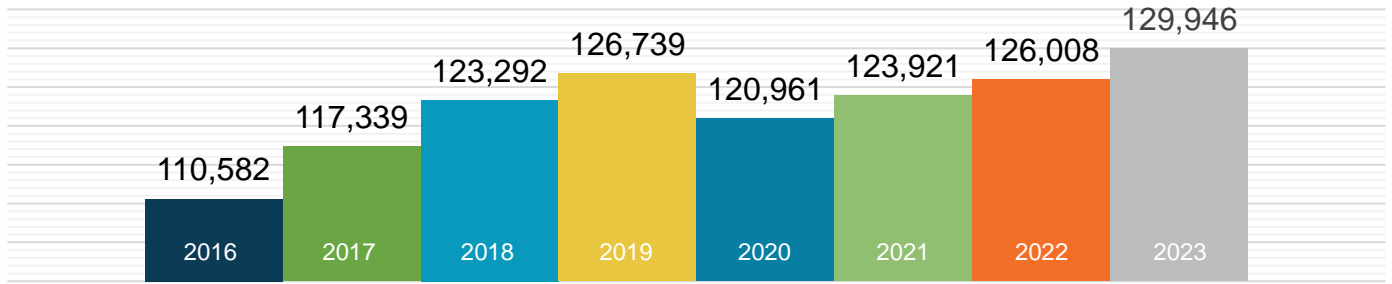
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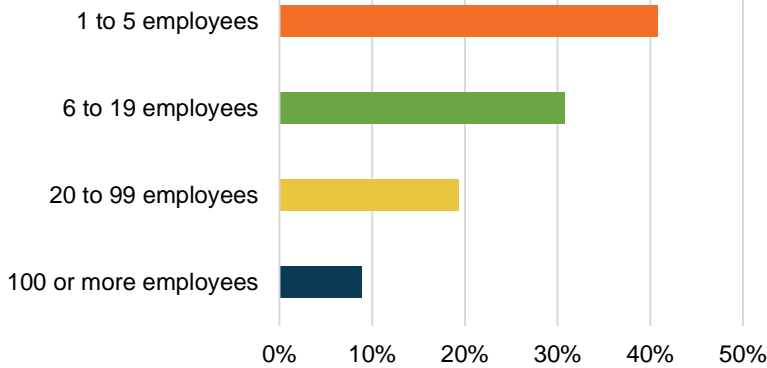
E4 THE FUTURE

What does EE look like in New York?

EE Workers Employed in NY



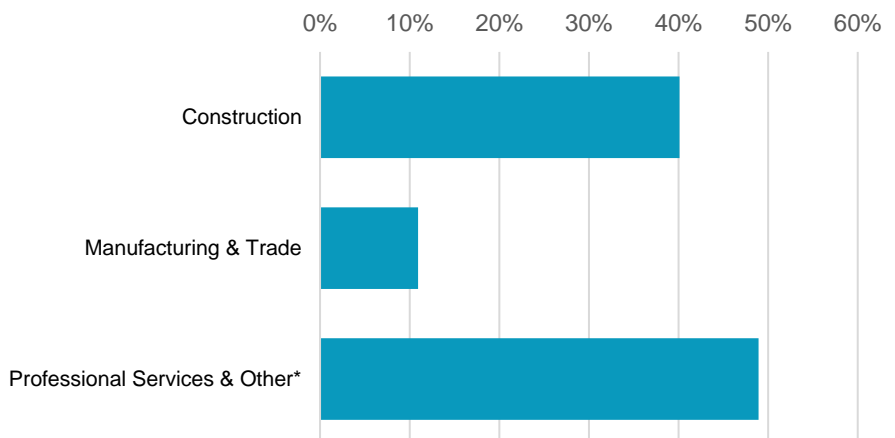
91.1% of NY EE Businesses Have Fewer Than 100 Employees



EE construction workers comprise **14%** of New York's construction workforce

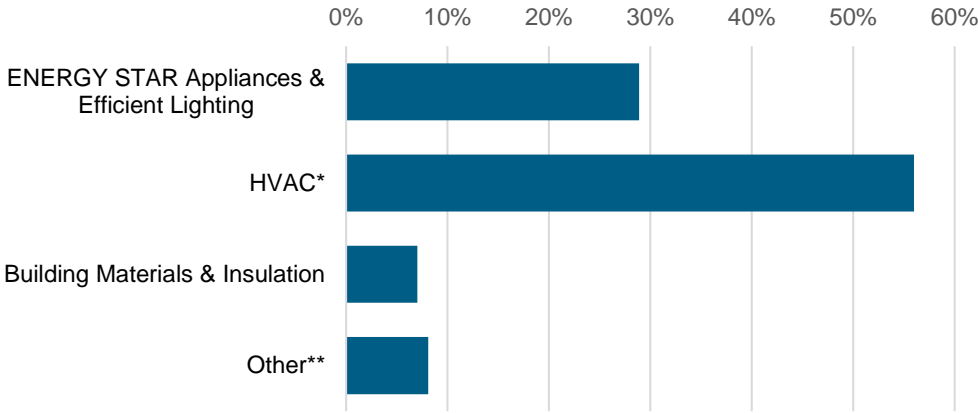


What type of work do energy efficiency firms do?

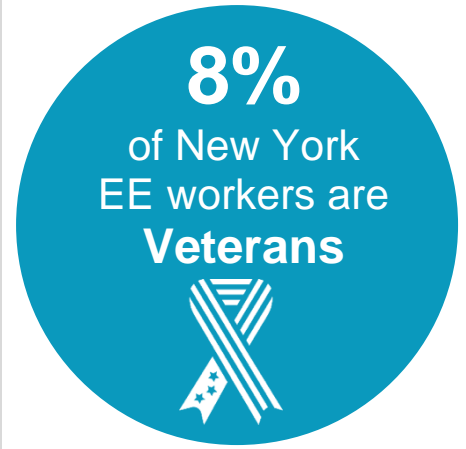


*Professional services include finance/accounting, architecture, engineering, R&D, etc. and other includes maintenance, and business, and nonprofit organizations.

What energy efficiency sectors employ the most workers?



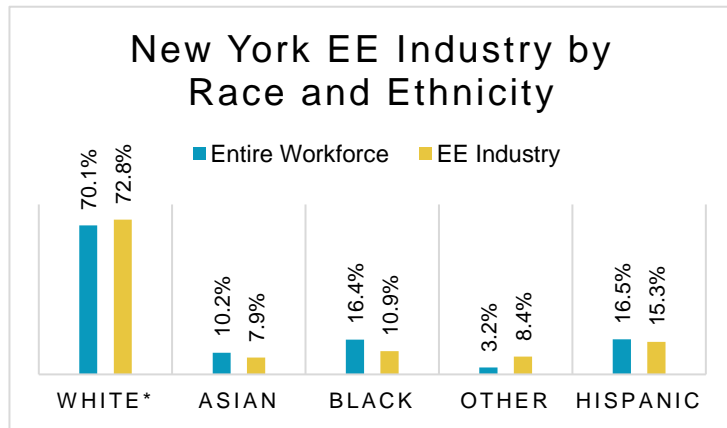
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling
 **Other such as energy audits, building certifications, and software services



How is EE doing on diversity in New York?

Demographic data is critical to measure progress in expanding the diversity of the EE industry. A more inclusive industry that reflects the communities it serves is a stronger one that better meets the needs of all U.S. residents. Promoting diversity in hiring is key to maintaining a future workforce of qualified professionals and ensuring all New York communities are represented in the EE sector.

The EE industry needs to do more to prioritize minorities and women for training and support that enables access to employment at New York businesses.



*Includes non-Hispanic and Hispanic whites.

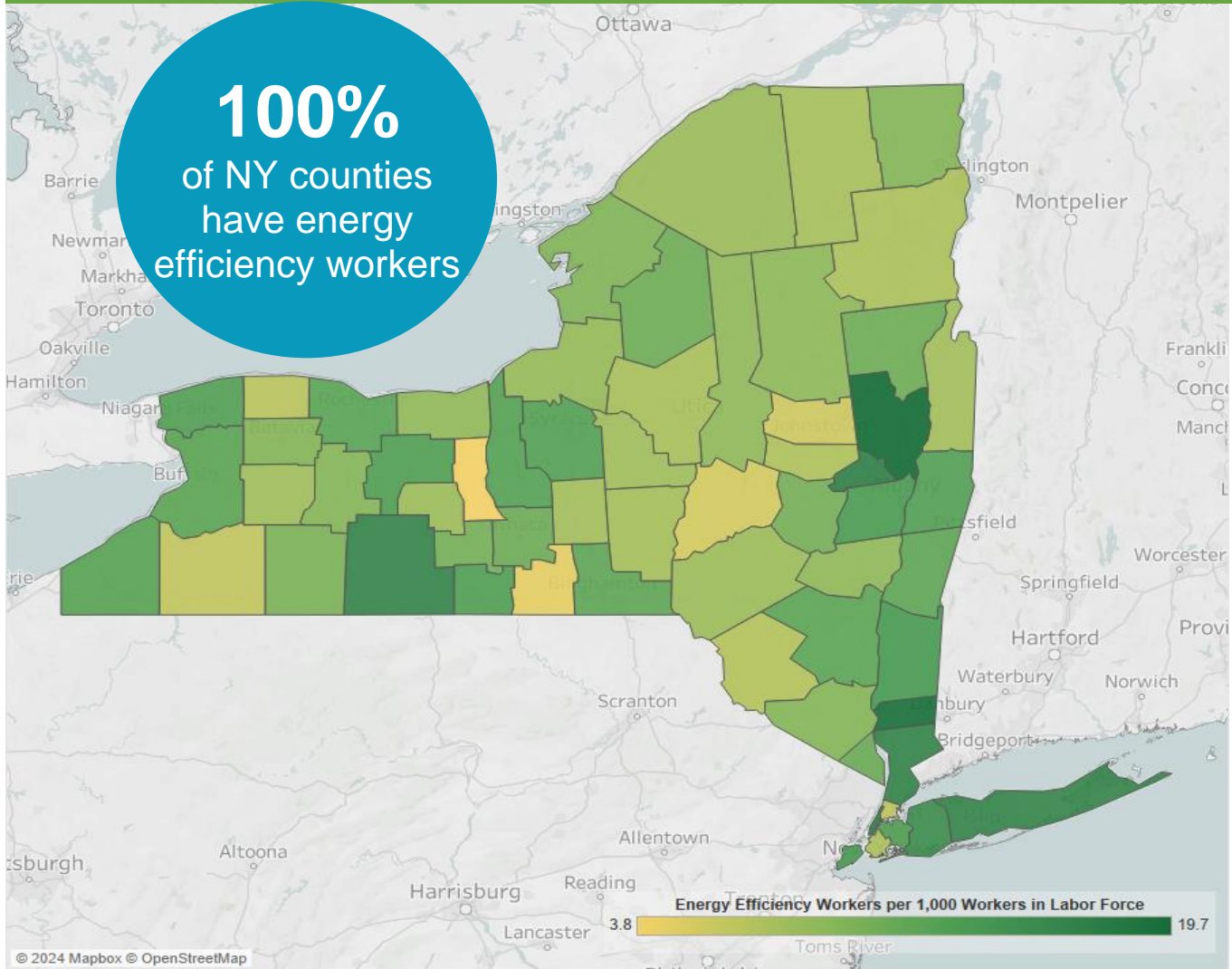
Gender in the New York EE Workforce



Note: The U.S. Bureau of Labor Statistics (BLS) only includes two genders in their survey. Non-binary gender data is missing from this document due to this limitation.

Energy Efficiency Jobs are Everywhere

EE Jobs by County



Congressional				Metropolitan Areas	
District	Jobs	District	Jobs	Area	Jobs
1	9,156	15	1,541	Albany-Schenectady-Troy	6,674
2	4,629	16	3,593	Binghamton	1,039
3	7,563	17	7,647	Buffalo-Cheektowaga-Niagara Falls	6,458
4	5,666	18	5,550	Elmira	439
5	1,689	19	5,245	Glens Falls	498
6	2,901	20	5,839	Ithaca	524
7	8,007	21	4,222	Kingston	697
8	2,005	22	3,838	New York-Newark-Jersey City	95,875
9	909	23	4,423	Rochester	5,898
10	10,792	24	5,219	Syracuse	3,540
11	2,334	25	4,486	Utica-Rome	924
12	11,823	26	5,516	Rural	7,380
13	857	27	2,833		
14	1,664				

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	3,612	18	1,879	35	4,585	52	1,453
2	5,849	19	386	36	624	53	395
3	2,921	20	1,239	37	2,339	54	2,195
4	910	21	<10	38	2,661	55	1,928
5	3,393	22	404	39	2,465	56	2,531
6	4,790	23	1,329	40	2,265	57	1,815
7	2,187	24	802	41	1,938	58	1,049
8	1,127	25	883	42	2,025	59	3,124
9	1,129	26	6,683	43	3,342	60	2,478
10	1,355	27	15,451	44	2,868	61	1,073
11	2,023	28	1,165	45	2,513	62	1,204
12	2,657	29	1,303	46	1,692	63	221
13	719	30	585	47	1,984		
14	385	31	339	48	805		
15	326	32	1,301	49	794		
16	187	33	169	50	3,777		
17	3,298	34	1,048	51	1,961		

State Assembly

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	2,111	39	<10	77	588	115	896
2	854	40	<10	78	619	116	660
3	975	41	1,582	79	189	117	627
4	694	42	380	80	306	118	297
5	1,838	43	341	81	270	119	141
6	1,836	44	813	82	158	120	667
7	1,147	45	524	83	<10	121	529
8	1,044	46	400	84	784	122	1,318
9	1,709	47	<10	85	128	123	219
10	2,289	48	<10	86	<10	124	717
11	138	49	216	87	<10	125	1,111
12	49	50	1,068	88	2,272	126	878
13	3,520	51	465	89	904	127	1,125
14	1,058	52	1,105	90	564	128	1,547
15	466	53	327	91	1,511	129	108
16	2,374	54	465	92	2,148	130	1,481
17	164	55	105	93	1,388	131	1,222
18	1,781	56	<10	94	926	132	591
19	255	57	<10	95	358	133	1,053
20	1,104	58	253	96	2,400	134	1,252
21	572	59	<10	97	259	135	219
22	98	60	23	98	1,204	136	627
23	586	61	1,266	99	1,319	137	1,116
24	933	62	783	100	553	138	46
25	787	63	<10	101	1,524	139	520
26	527	64	<10	102	1,247	140	929
27	1,147	65	6,197	103	1,276	141	1,908
28	541	66	979	104	709	142	1,042
29	451	67	3,250	105	687	143	1,529
30	1,834	68	488	106	400	144	657
31	39	69	<10	107	1,456	145	527
32	<10	70	115	108	1,482	146	231
33	65	71	208	109	1,012	147	624
34	213	72	81	110	733	148	565
35	<10	73	8,226	111	467	149	114
36	346	74	812	112	1,668	150	777
37	16	75	4,295	113	1,179		
38	79	76	138	114	766		





The Building Performance Association (BPA) is a 501(c) 6 nonprofit industry association that serves as the hub for businesses, nonprofits, and government agencies working to make America's homes more comfortable, healthy, and energy efficient. Our mission is to transform the market for the home performance industry through advocacy, education, professional development, and networking. Visit www.building-performance.org



E4TheFuture is dedicated to bringing clean, efficient energy home for every American and promotes energy solutions to advance climate protection and economic fairness. Visit www.E4TheFuture.org.



BW Research Partnership is a full-service, economic and workforce research consulting firm with offices in Carlsbad, California and Wrentham, Massachusetts. It is the nation's leading provider of accurate, comprehensive energy and clean energy research studies. Visit www.bwresearch.com.

Data Source: Unless otherwise stated, all data are from the U.S. Energy and Employment Report, August 2024, by the U.S. Department of Energy (see Appendix B for methodology details). This methodology — adopted by the U.S. Dept. of Energy for its 2017 U.S. Energy and Employment Report, approved by the Office of Management and Budget and grounded on data collected by the Bureau of Labor Statistics — provides the broadly accepted best accounting of all U.S. energy workers.

For questions on BPA analyses please email: communications@building-performance.org

