

New Jersey

Energy Efficiency Jobs in America

June 2021*

32,936

Dec 2020

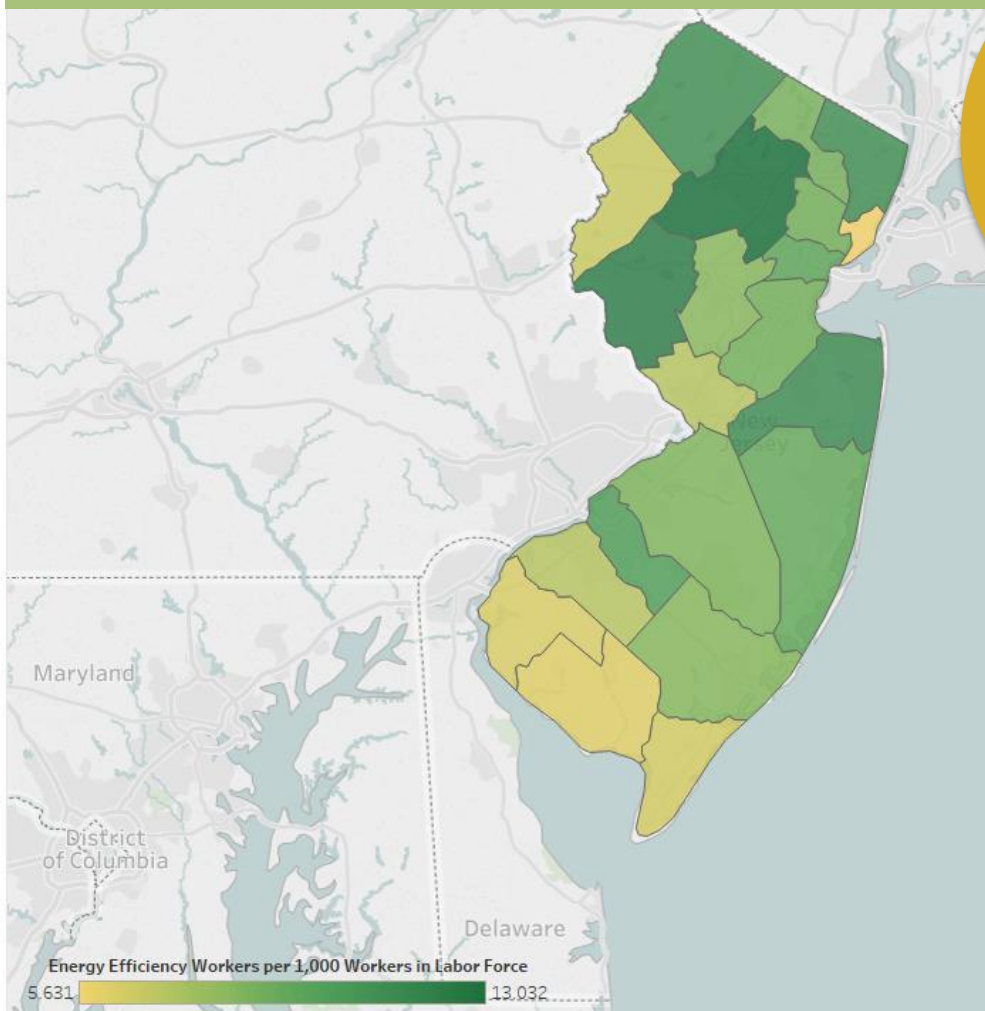
32,880

Energy efficiency (EE) workers are a crucial part of America's workforce. EE jobs are everywhere – in rural, urban, and suburban communities. In New Jersey, there are EE jobs in every county.

Investments in EE are the best possible energy investment. Energy efficiency measures are a highly cost-effective way to improve the reliability of the electric grid, reduce emissions, and make other renewable energy resources, such as solar and wind, more valuable. Efficiency also saves households money while creating high-quality, local jobs that cannot be outsourced.

Energy Efficiency Jobs are Everywhere

EE Jobs by County



100%
of New Jersey
counties have
energy efficiency
workers

~41,500
new EE construction
jobs to retrofit New
Jersey homes by
2030



Number of full-time workers required for eight years 2022-2030 to improve 80% of NJ residences for a clean energy future.

Source: E4TheFuture/BW Research retrofit analysis, July 2021

*Source: E4TheFuture/BW Research job analysis, July 2021

Presented by:



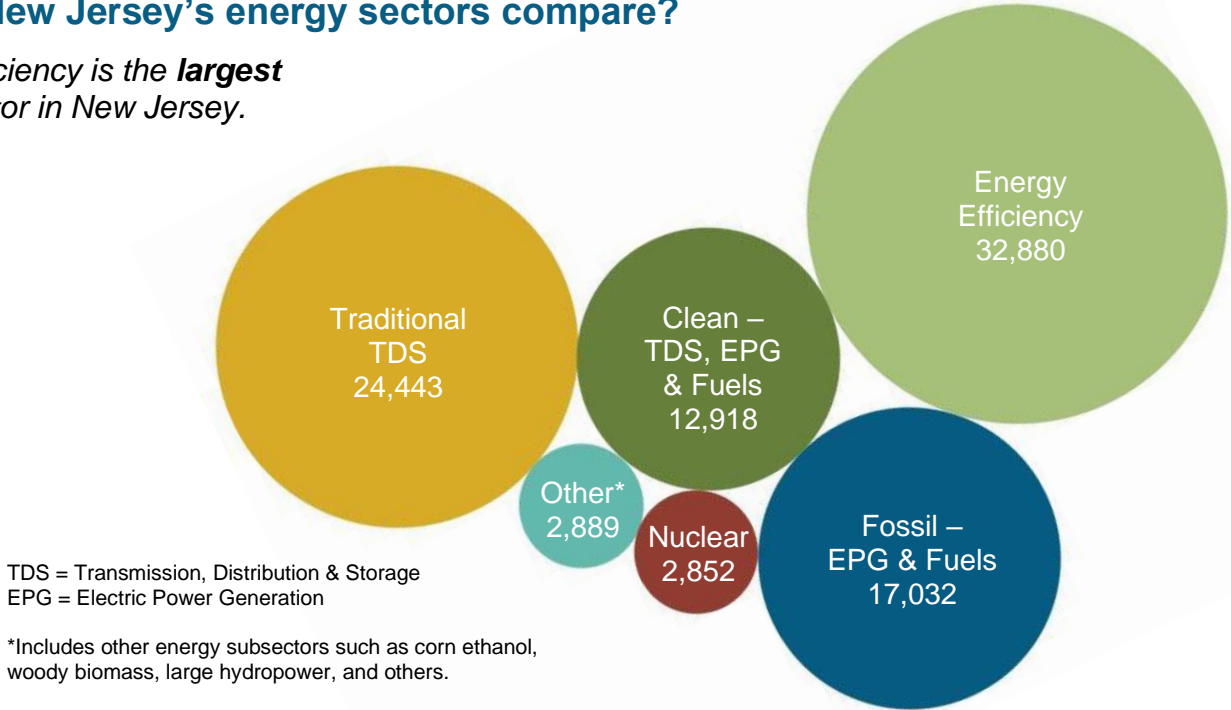
Key EE Statistics for New Jersey

What are energy efficiency (EE) jobs?

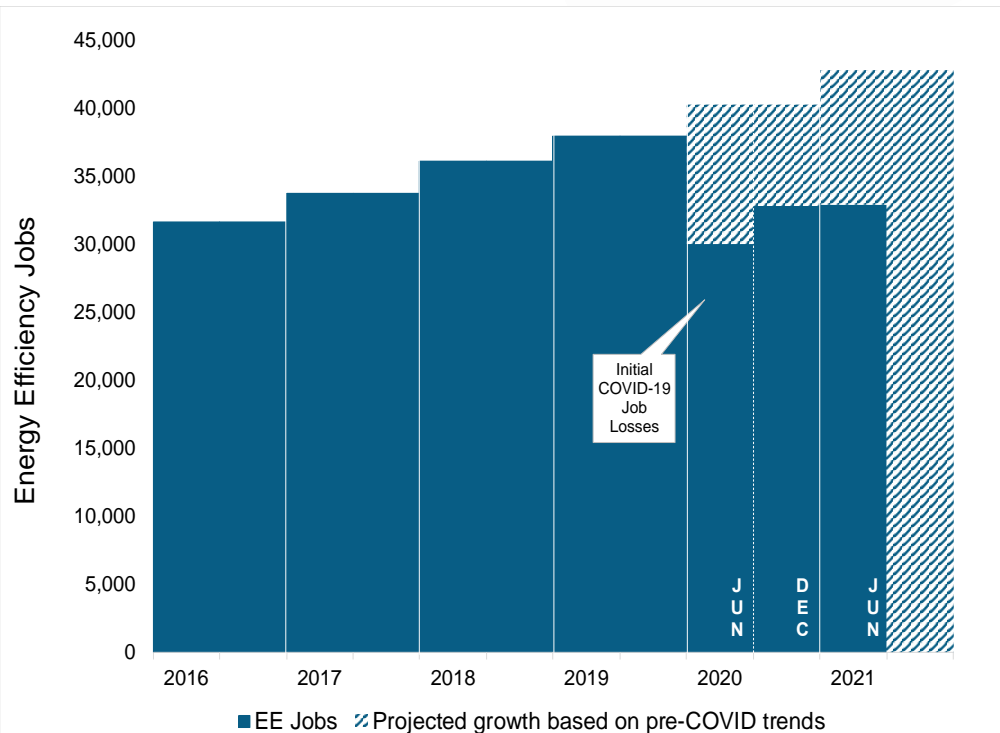
Jobs that deliver goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

How do New Jersey's energy sectors compare?

Energy Efficiency is the **largest** energy sector in New Jersey.



How is the EE industry recovering?



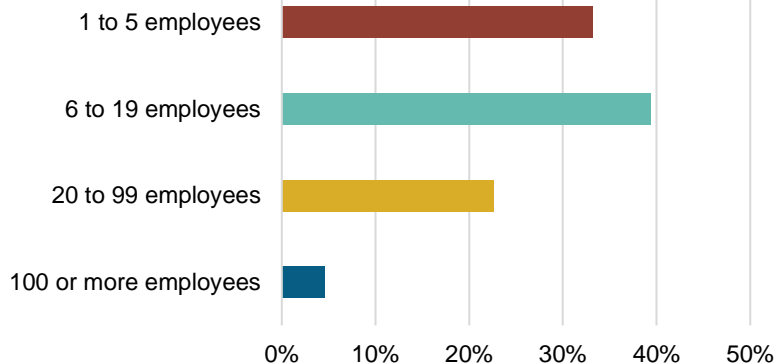
Recovery from COVID-19 has fallen short of Dec. 2019 levels and is significantly below pre-pandemic projections.



Source: E4TheFuture/BW Research job analysis, July 2021

What does EE look like in New Jersey?

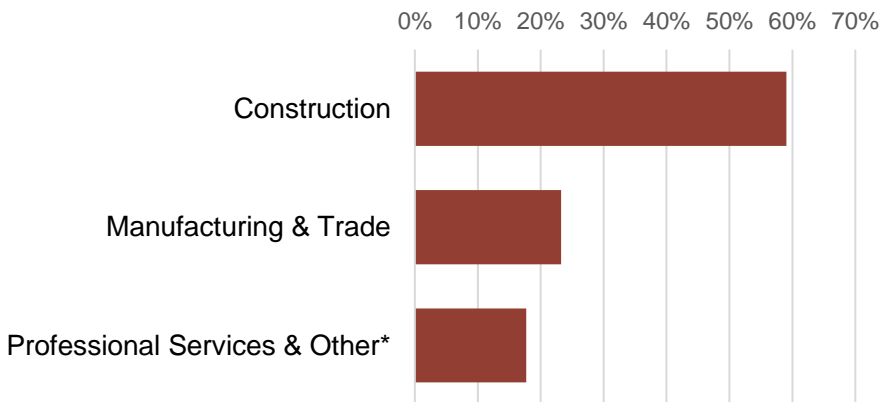
95.1% of NJ EE Businesses Have Less Than 100 Employees



4,765
EE businesses in
New Jersey

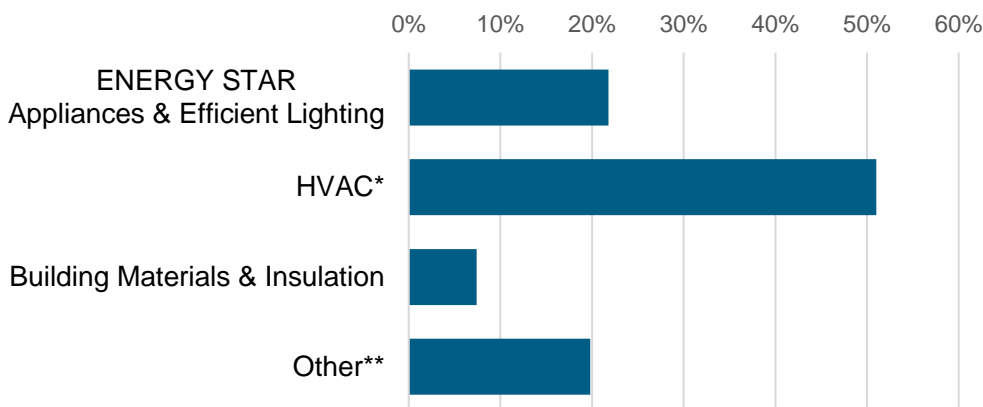
EE construction workers comprise **12%** of New Jersey construction workers

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?



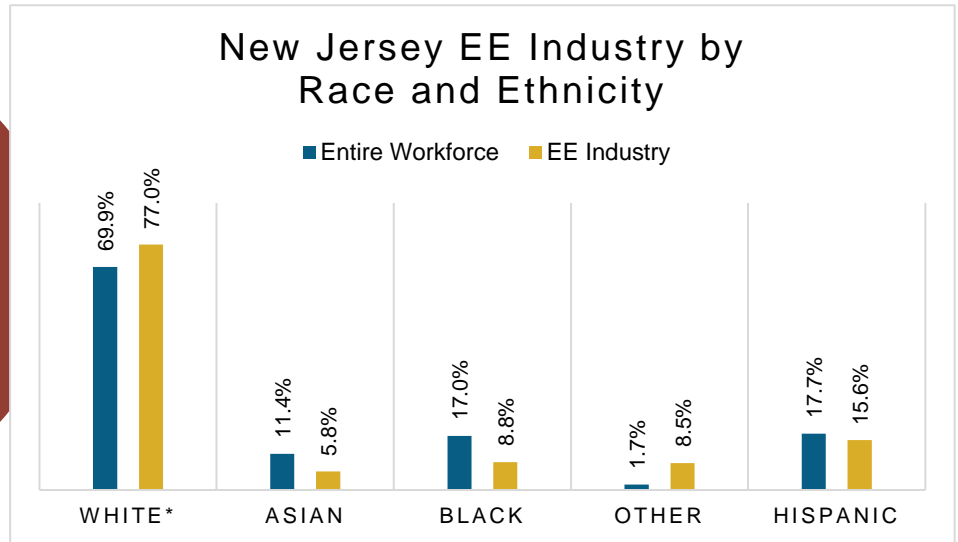
7% of New Jersey EE workers are **Veterans**

*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

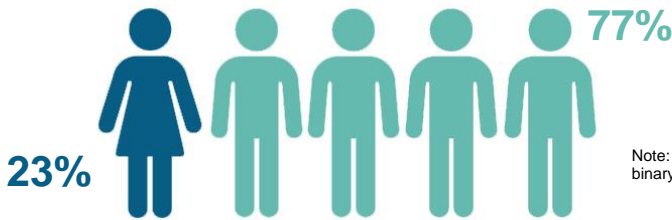
How is EE doing on diversity in New Jersey?

Demographic data is crucial for benchmarks and to measure progress in the energy efficiency (EE) industry. In striving for more diversity in EE jobs, we can create a stronger and more inclusive industry. Promoting diversity in hiring is key to maintaining a future workforce of talented professionals and ensuring all New Jersey 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 EE businesses.



*Includes non-Hispanic and Hispanic whites.




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.

New Jersey's EE Potential

Decades of work, ready for New Jersey's growing energy efficiency workforce.

Weatherization Assistance Program:


1,655* units weatherized in 2018, out of ~**310,000** total low-income households

2,841,102

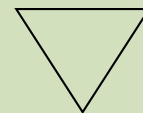
New Jersey homes are due for energy tune-ups



(Non low-income families whose residences are 20+ years old)

Potential to **reduce** residential electricity consumption by

15%



*National Association for State community Services Programs (NASCS) [Weatherization Assistance Program Annual Funding Survey](#)
 Source: E4TheFuture/BW Research retrofit analysis, July 2021, [U.S. Census Bureau QuickFacts](#) and [State and Local Planning for Energy \(SLOPE\) Platform](#)

Energy Efficiency Jobs by Location

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	2,419	Allentown-Bethlehem-Easton	408
2	2,142	Atlantic City	671
3	3,357	New York-Northern New Jersey-Long Island	25,082
4	3,572	Ocean City	400
5	3,612	Philadelphia-Camden-Wilmington	4,581
6	2,058	Trenton-Ewing	1,437
7	4,718	Vineland-Millville-Bridgeton	302
8	2,415		
9	2,682		
10	845		
11	3,097		
12	1,964		

State Senate									
District	Jobs	District	Jobs	District	Jobs	District	Jobs		
1	843	11	1,667	21	1,263	31	608		
2	788	12	1,022	22	662	32	487		
3	575	13	585	23	768	33	394		
4	546	14	954	24	878	34	596		
5	689	15	822	25	1,268	35	740		
6	612	16	1,410	26	1,368	36	597		
7	992	17	820	27	780	37	1,236		
8	737	18	546	28	516	38	890		
9	1,005	19	462	29	615	39	1,145		
10	1,134	20	532	30	500	40	831		

State General Assembly

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	821	11	1,954	21	1,225	31	583
2	843	12	1,036	22	635	32	476
3	555	13	562	23	767	33	396
4	567	14	957	24	900	34	539
5	684	15	842	25	1,217	35	721
6	594	16	1,359	26	1,386	36	599
7	1,030	17	897	27	753	37	1,244
8	750	18	523	28	494	38	896
9	972	19	438	29	591	39	1,098
10	1,177	20	509	30	493	40	795



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



E2 is a national, nonpartisan group of business leaders, investors, and other professionals from every sector of the economy who advocate for smart policies that are good for the environment and good for the economy. Visit www.e2.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, July 2021, by the U.S. Department of Energy (see Appendix A 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 E4TheFuture analyses please email: policy@e4thefuture.org.