

New Hampshire

Energy Efficiency Jobs in America

June 2021*

10,855

Dec 2020

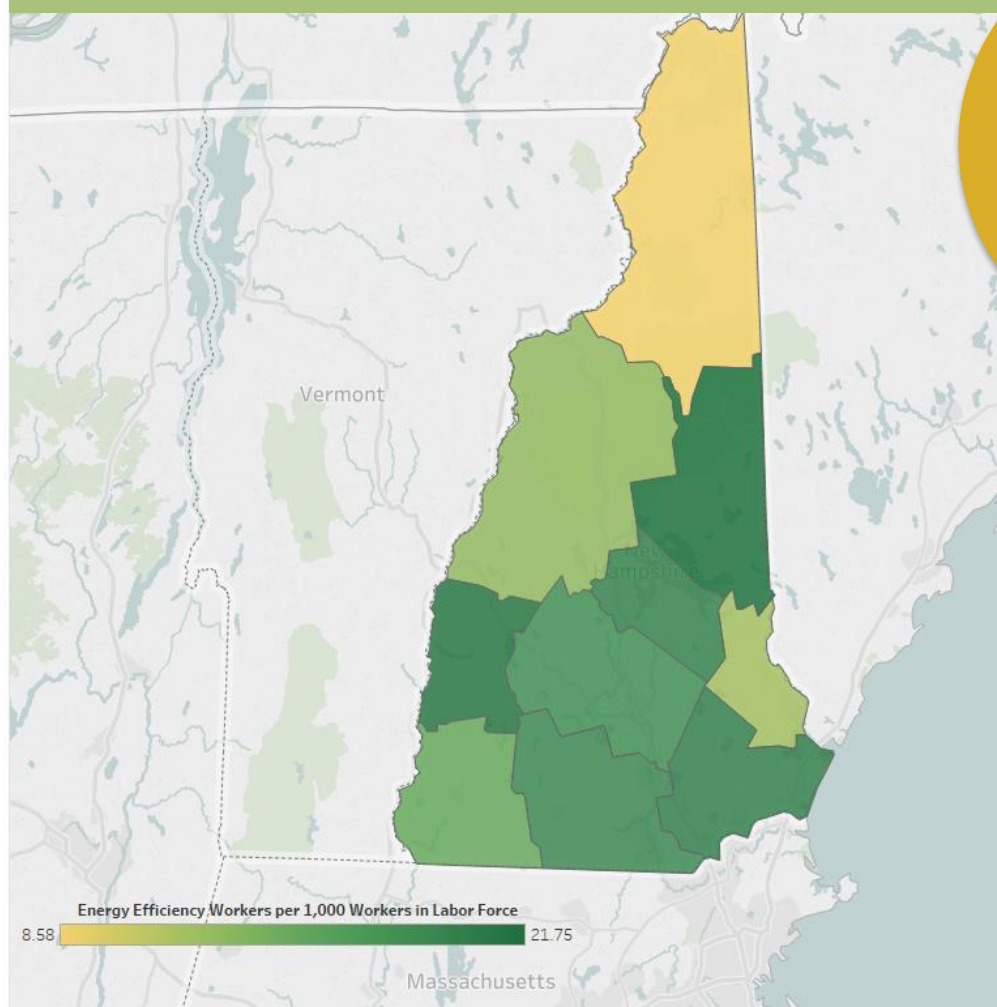
10,838

Energy efficiency (EE) workers are a crucial part of America's workforce. EE jobs are everywhere – in rural, urban, and suburban communities. In New Hampshire, 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 Hampshire
counties have
energy efficiency
workers

~6,800

new EE construction
jobs to retrofit New
Hampshire homes by
2030



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

Source: E4TheFuture/BW Research retrofit analysis, July 2021

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

Presented by:



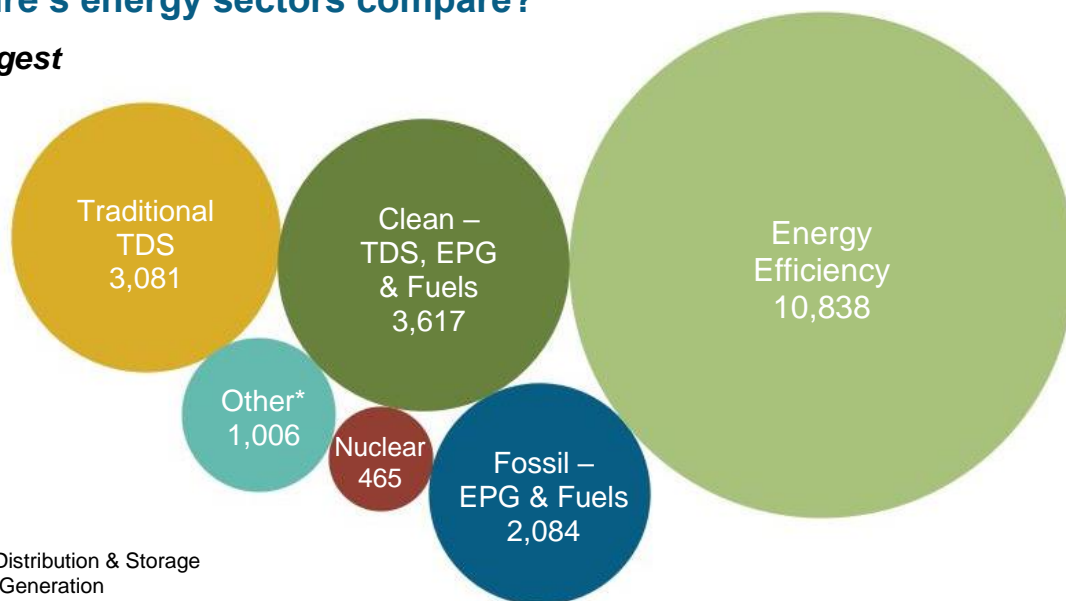
Key EE Statistics for New Hampshire

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 Hampshire's energy sectors compare?

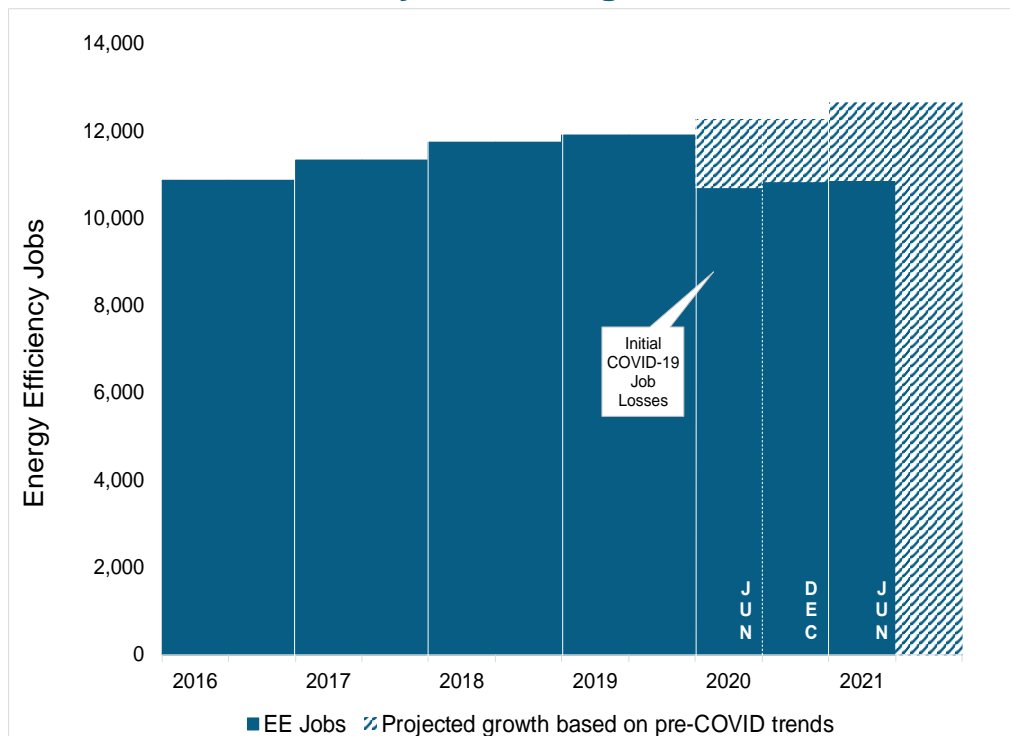
*Energy Efficiency is the **largest** energy sector in New Hampshire.*



TDS = Transmission, Distribution & Storage
EPG = Electric Power Generation

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

How is the EE industry recovering?



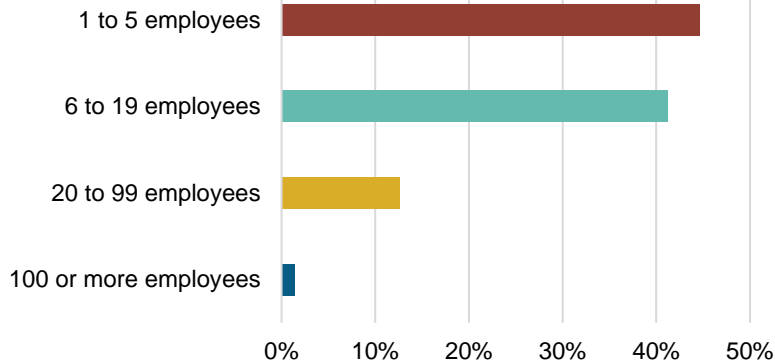
Source: E4TheFuture/BW Research job analysis, July 2021

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



What does EE look like in New Hampshire?

98.5% of NH EE Businesses Have Less Than 100 Employees



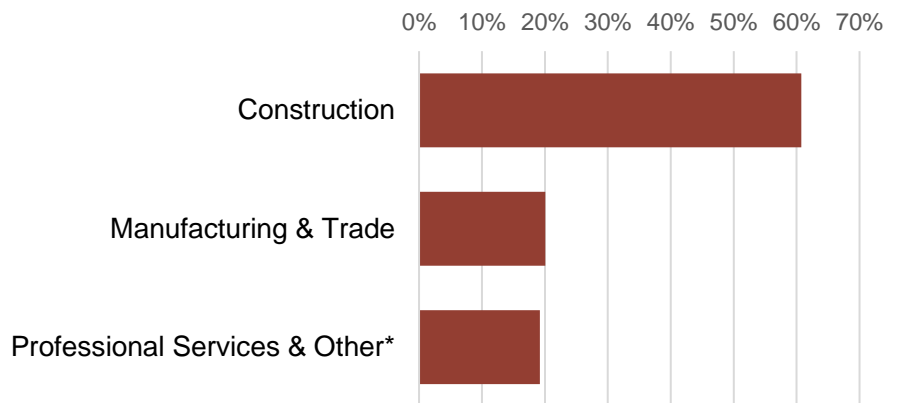
2,033
EE businesses in New Hampshire



EE construction workers comprise **22%** of New Hampshire construction workers

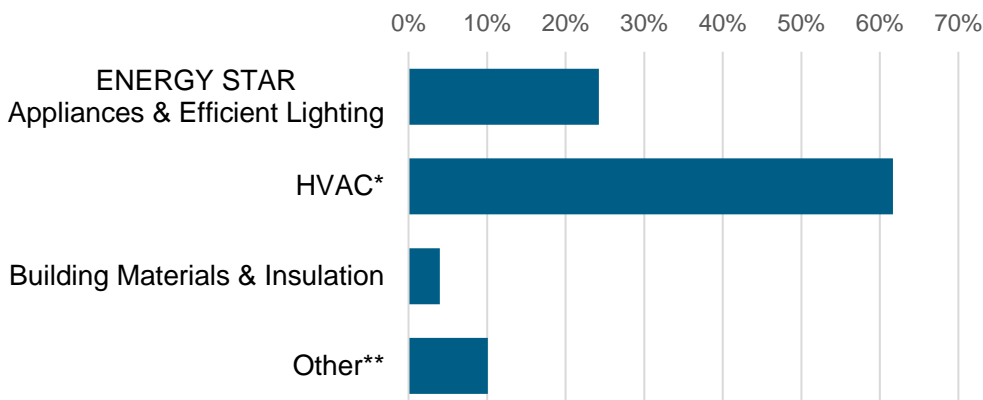


What type of work do energy efficiency firms do?



*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?



*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

**Other such as energy audits, building certifications, and software services

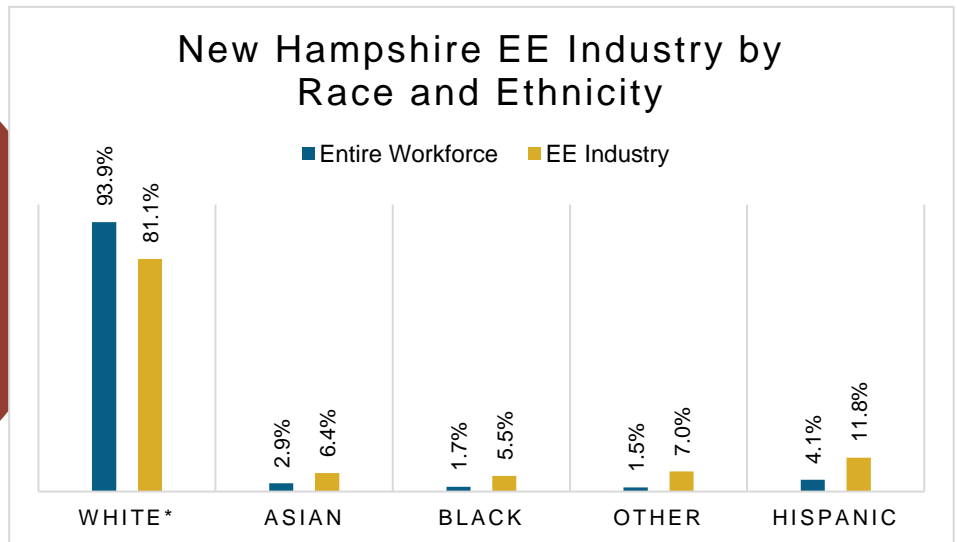


8% of New Hampshire EE workers are **Veterans**

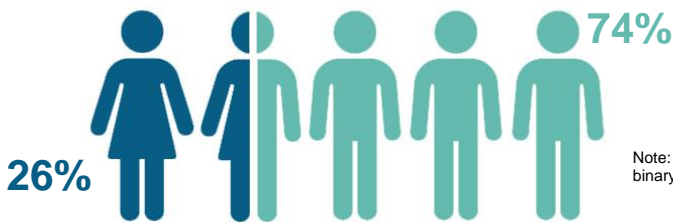
How is EE doing on diversity in New Hampshire?

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 Hampshire 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 Hampshire's EE Potential

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

Weatherization Assistance Program:



139* units weatherized in 2018, out of **~40,000** total low-income households

497,478

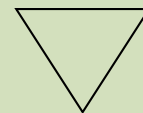
New Hampshire homes are due for energy tune-ups



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

Potential to **reduce** residential electricity consumption by

18%



*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	5,885	Boston-Cambridge-Quincy	4,869
2	4,953	Manchester-Nashua	2,607
		Rural	3,362

State Senate										
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	414		7	531		13	276		19	228
2	503		8	486		14	998		20	303
3	519		9	525		15	556		21	556
4	417		10	335		16	511		22	497
5	357		11	516		17	367		23	452
6	260		12	560		18	168		24	503

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	111	405	32	602	8	722	65
2	253	406	98	604	110	723	408
4	80	408	70	605	<5	724	53
5	47	409	68	606	47	801	20
6	74	410	119	607	65	802	36
7	20	412	58	609	88	803	46
101	90	413	37	610	515	804	108
102	105	501	97	620	145	805	22
103	59	502	73	623	103	806	271
104	159	503	36	624	123	807	141
105	78	504	183	701	47	817	64
117	7	505	15	702	144	818	27
201	82	506	220	704	197	901	58
202	181	507	227	705	440	902	105
203	22	508	134	706	41	903	80
209	173	510	422	707	73	906	34
211	56	512	180	708	297	907	21
212	75	520	260	709	93		
301	50	521	362	710	321		
302	34	523	113	712	31		
303	45	525	11	713	50		
304	18	526	112	714	89		
305	13	528	151	715	37		
306	26	529	60	716	34		
401	87	530	273	717	17		
402	49	531	112	719	123		
403	36	537	108	720	116		
404	16	601	130	721	113		



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.