Maine

Energy Efficiency Jobs in America

June 2021*

8,043

Dec 2020

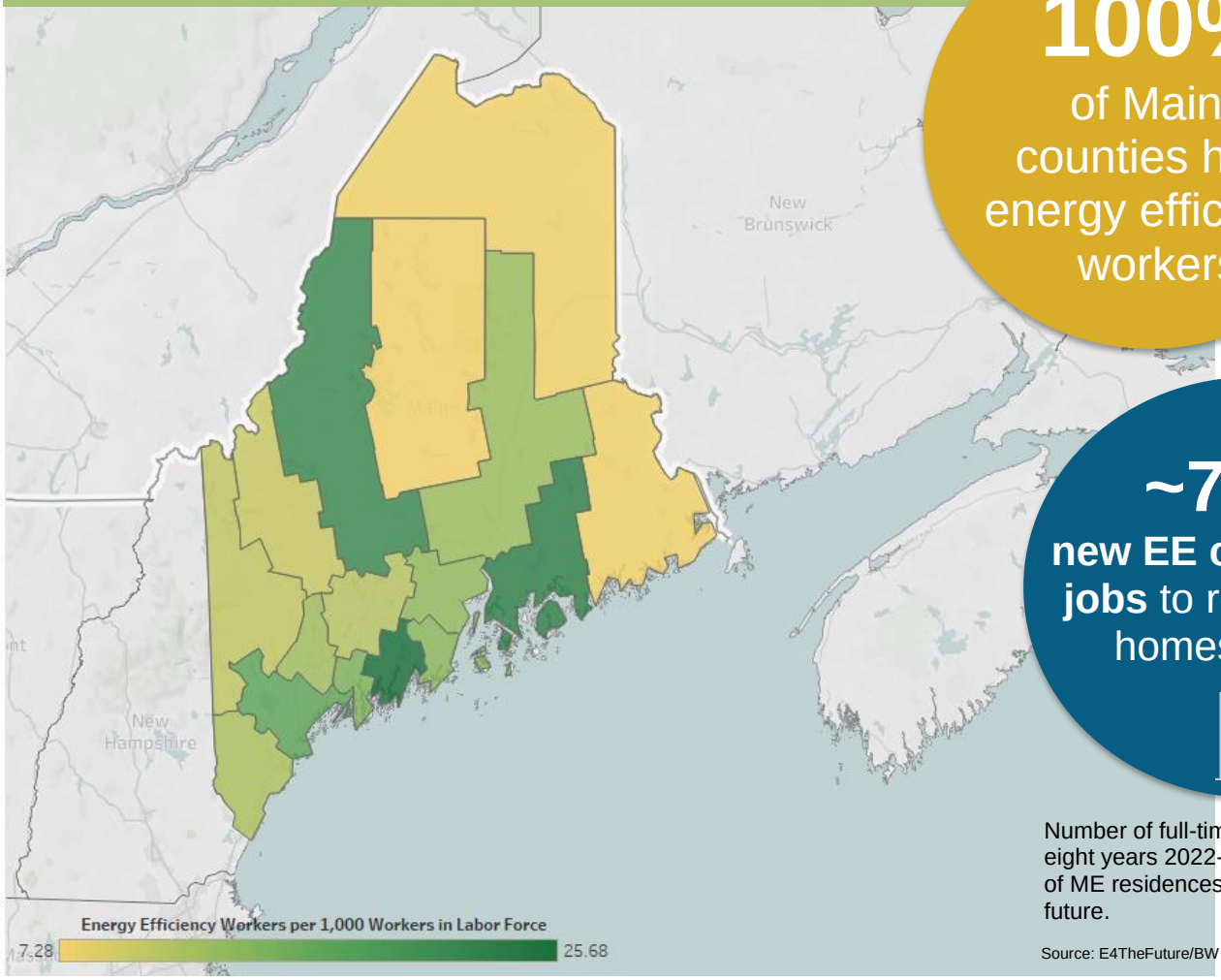
8,034

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

~7,400
new EE construction jobs to retrofit Maine homes by 2030

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

Source: E4TheFuture/BW Research retrofit analysis, July 2021

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

Presented by:

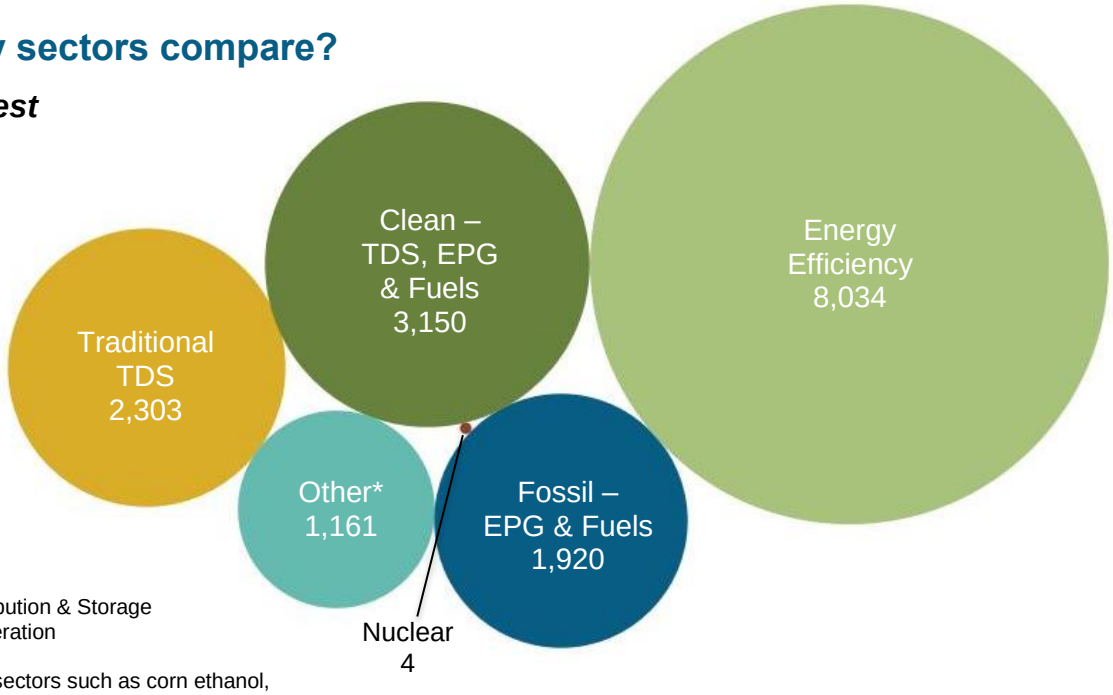
Key EE Statistics for Maine

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 Maine's energy sectors compare?

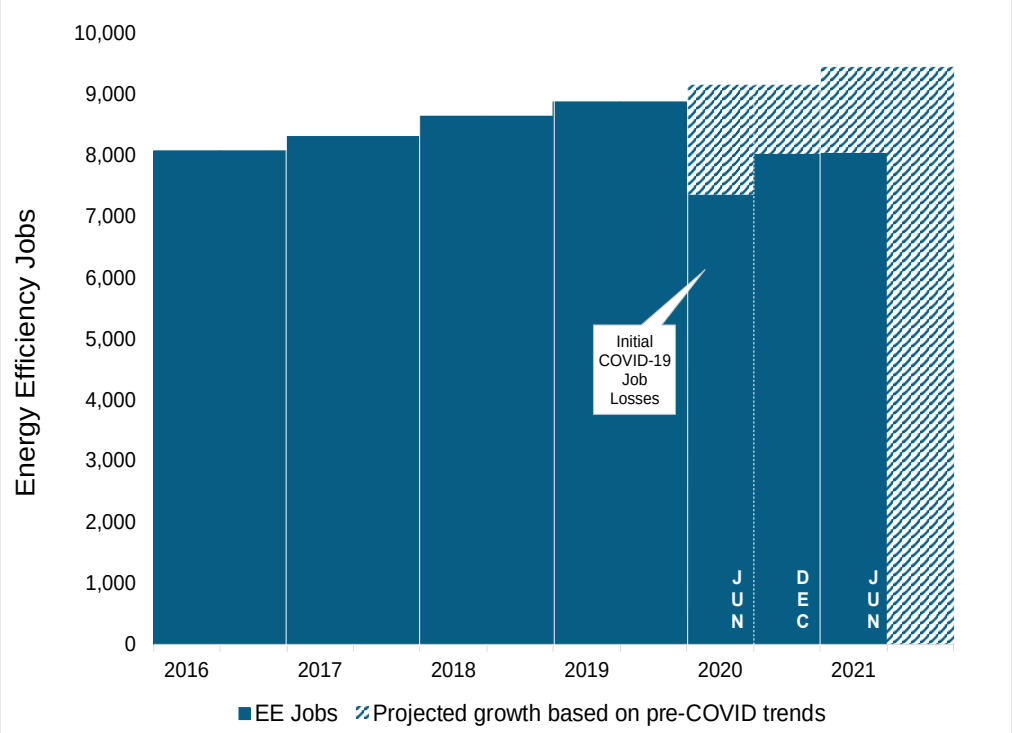
*Energy Efficiency is the **largest** energy sector in Maine.*



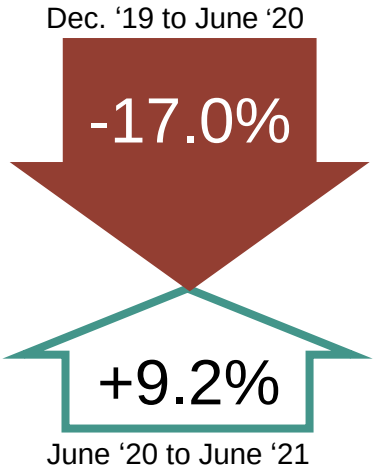
TDS = Transmission, Distribution & Storage
EPG = Electric Power Generation

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

How is the EE industry recovering?

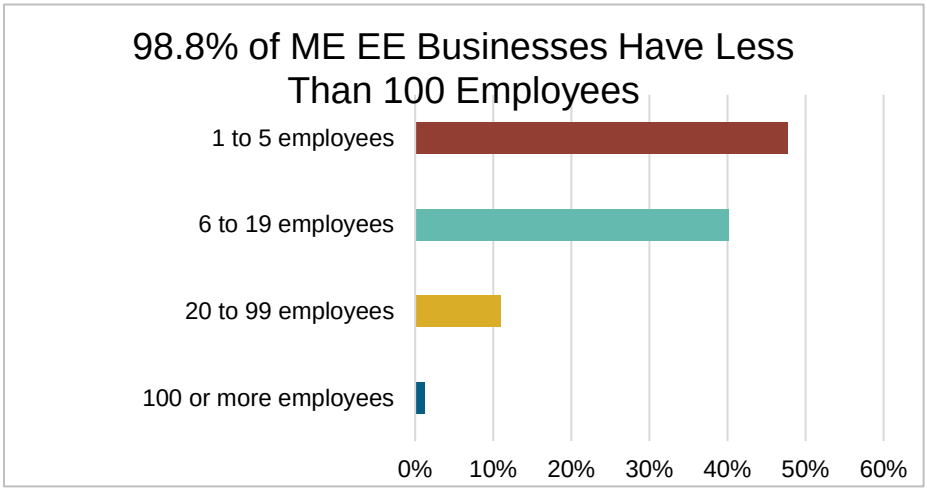


Recovery from COVID-19 has fallen short of Dec. 2019 levels and is significantly below pre-pandemic projections.



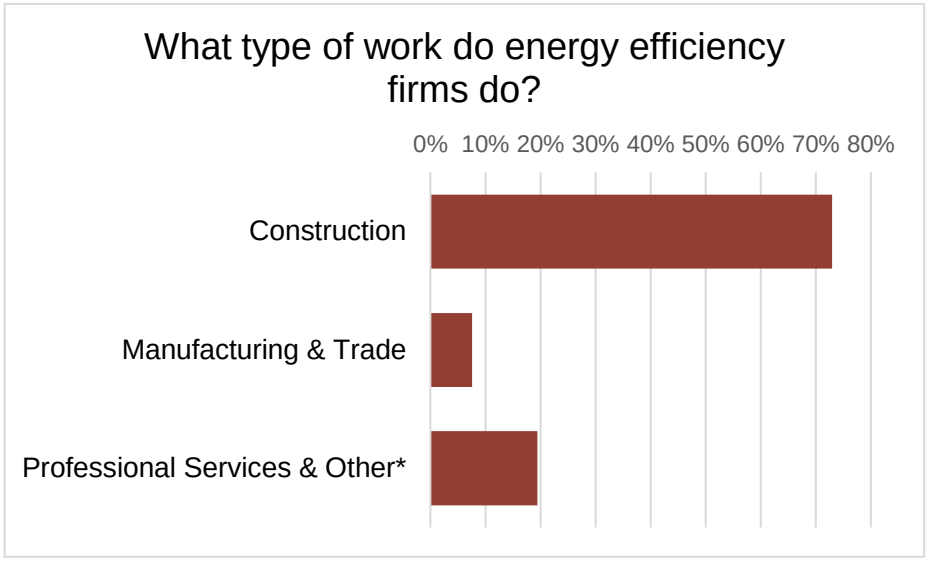
Source: E4TheFuture/BW Research job analysis, July 2021

What does EE look like in Maine?

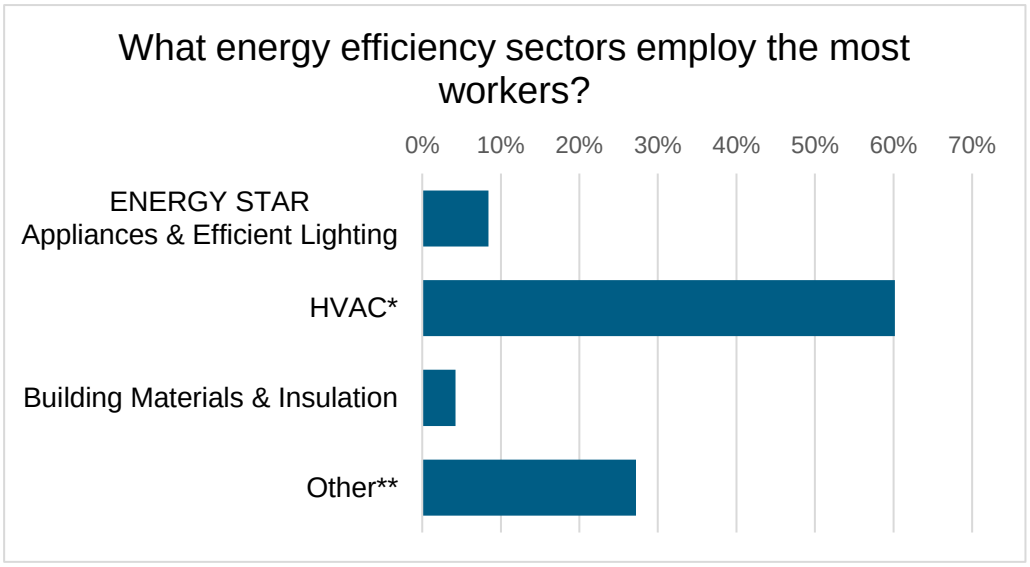


1,611
EE businesses in Maine

EE construction workers comprise **18%** of Maine construction workers



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



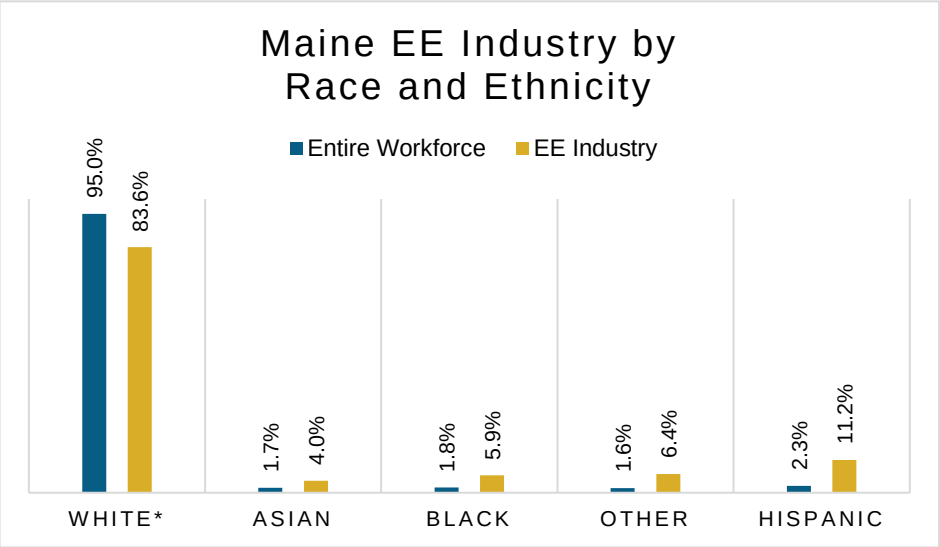
8% of Maine EE workers are **Veterans**

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

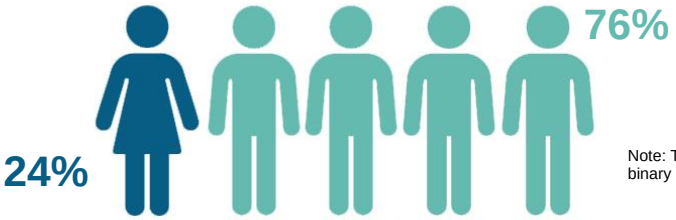
How is EE doing on diversity in Maine?

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 Maine 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.

Maine's EE Potential

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

Weatherization Assistance Program:

468* units weatherized in 2018, out of **~64,000** total low-income households

563,318

Maine homes are due for energy tune-ups

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

Potential to **reduce** residential electricity consumption by

25%

*National Association for State community Services Programs (NASCSP) 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	4,636	Bangor	792
2	3,397	Lewiston-Auburn	489
		Portland- South Portland	3,524
		Rural	3,228

State Upper House

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	128	11	505	21	159	31	174
2	200	12	286	22	165	32	364
3	204	13	272	23	218	33	207
4	135	14	440	24	341	34	126
5	397	15	24	25	456	35	255
6	175	16	165	26	58		
7	393	17	159	27	672		
8	156	18	202	28	<5		
9	46	19	188	29	318		
10	123	20	191	30	135		

State Lower House

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	116	40	<5	79	35	118	29
2	23	41	<5	80	23	119	68
3	116	42	<5	81	106	120	<5
4	151	43	73	82	5	121	27
5	57	44	<5	83	22	122	17
6	<5	45	127	84	17	123	19
7	<5	46	27	85	<5	124	<5
8	82	47	56	86	<5	125	<5
9	222	48	95	87	33	126	<5
10	55	49	121	88	12	127	<5
11	<5	50	<5	89	70	128	71
12	<5	51	82	90	108	129	42
13	26	52	<5	91	67	130	37
14	108	53	62	92	42	131	154
15	<5	54	59	93	79	132	<5
16	56	55	83	94	89	133	54
17	26	56	30	95	46	134	96
18	25	57	62	96	296	135	71
19	<5	58	157	97	80	136	66
20	58	59	<5	98	61	137	65
21	17	60	<5	99	20	138	29
22	61	61	<5	100	54	139	31
23	42	62	121	101	358	140	41
24	136	63	<5	102	53	141	40
25	<5	64	13	103	<5	142	<5
26	94	65	45	104	37	143	7
27	268	66	20	105	25	144	70
28	125	67	<5	106	51	145	15
29	<5	68	46	107	59	146	51
30	33	69	76	108	55	147	57
31	<5	70	56	109	<5	148	25
32	<5	71	32	110	<5	149	<5
33	<5	72	35	111	<5	150	52
34	<5	73	45	112	97	151	6
35	<5	74	36	113	39	152	<5
36	453	75	44	114	<5	153	<5
37	<5	76	63	115	25		
38	298	77	233	116	15		
39	5	78	105	117	53		

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.