Hawaii

Energy Efficiency Jobs in America

6,224
Total Jobs

What are EE jobs?

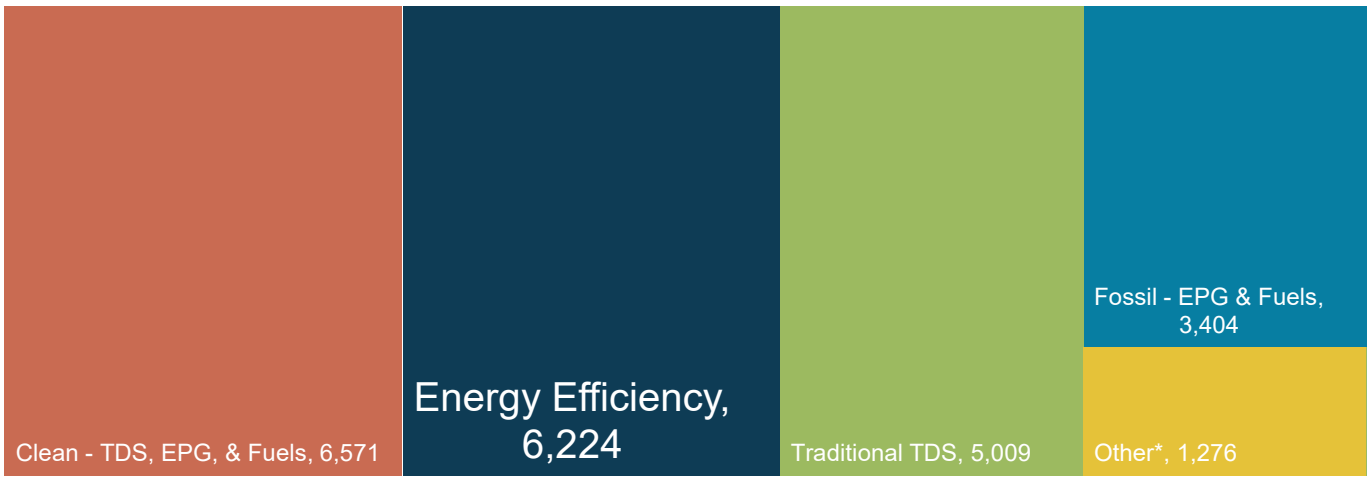
Jobs that reduce energy use by improving efficiency in appliances, buildings, data systems, financing, new technologies, and more.

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, as well as 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 to other energy sectors in Hawaii?

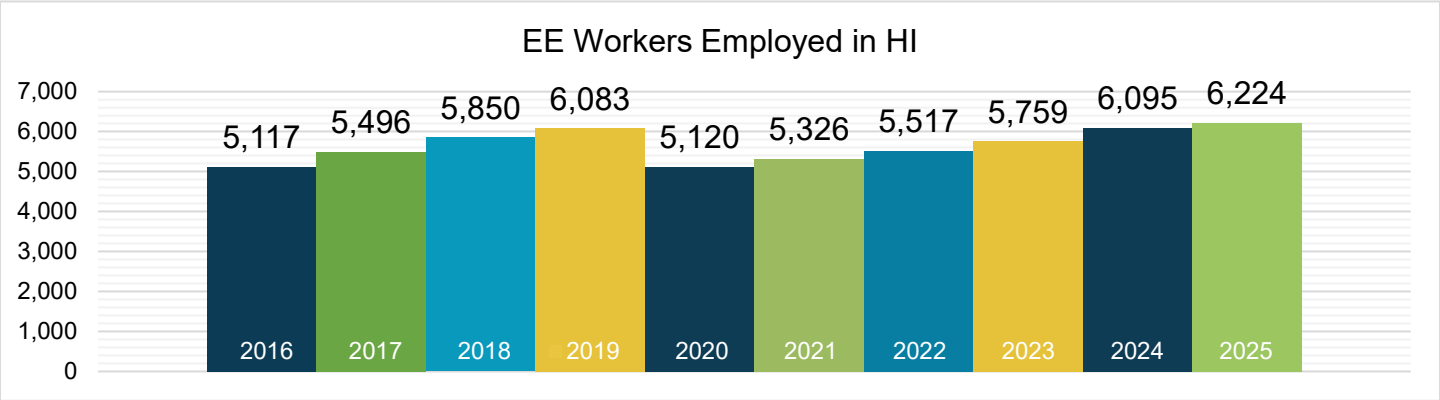
Energy efficiency is the second largest energy sector in Hawaii.

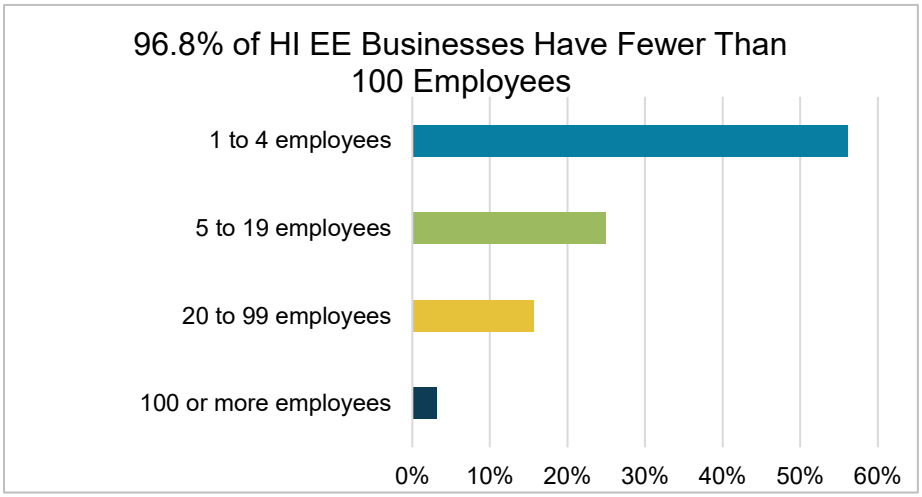


TDS = Transmission, Distribution, & Storage
EPG = Electric Power Generation
**Nuclear - EPG & Fuels = 5
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by:

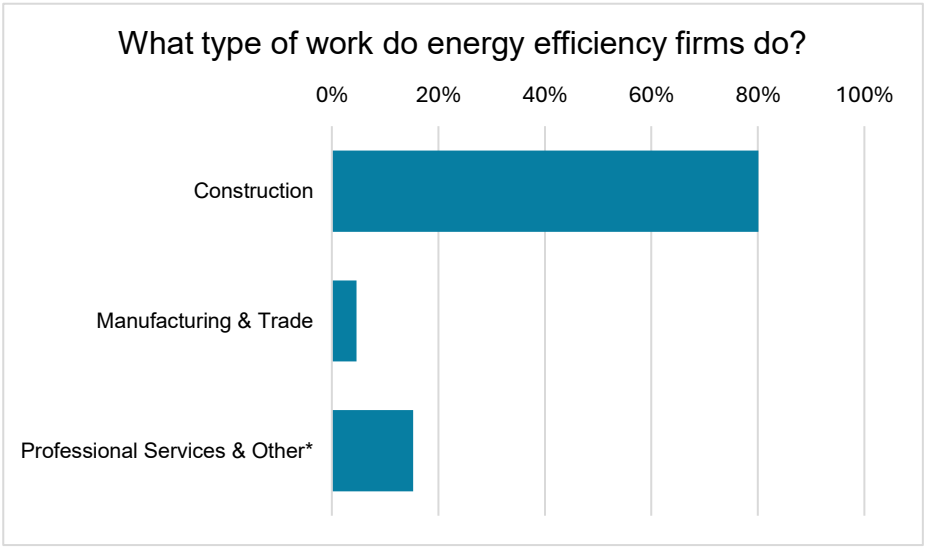
What does EE look like in Hawaii?



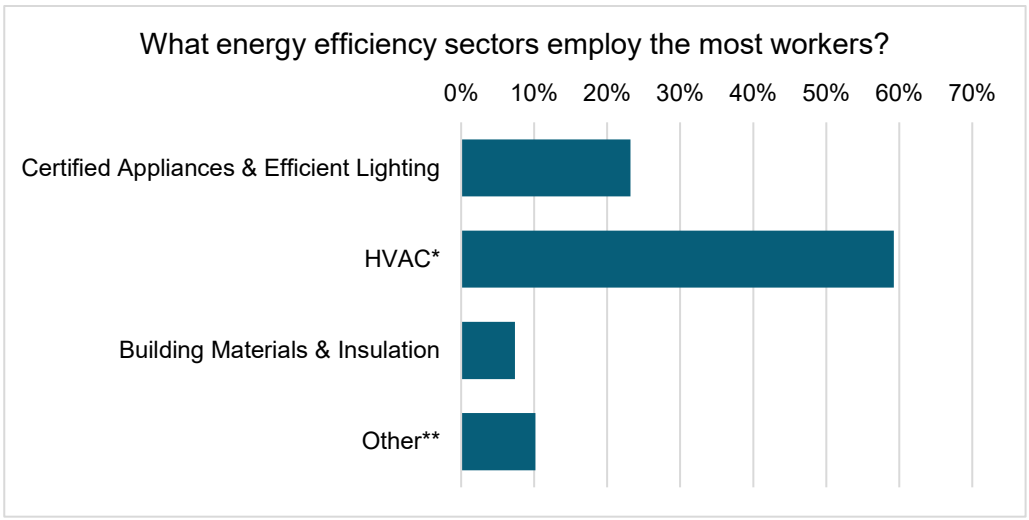


1,597
EE businesses in Hawaii

EE construction workers comprise **11%** of Hawaii's construction workforce



*Professional services include finance, accounting, architecture, engineering, research and development, and more. The "other" category includes roles in maintenance, business operations, and nonprofit organizations.



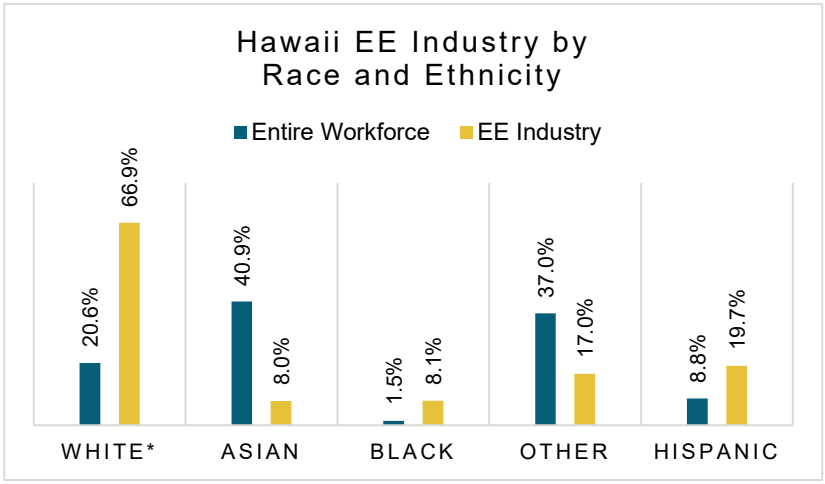
9%
of Hawaii
EE workers are
veterans

Certified Appliances = ENERGY STAR-certified appliances
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating and cooling
**Other includes energy audits, building certifications, and software services

How representative is the EE workforce in Hawaii?

Demographic data is critical to measure progress towards a more representative EE workforce. Tracking this data helps show how well Hawaii's EE workforce reflects the communities it serves and where gaps remain.

Expanded training programs in Hawaii can help ensure energy efficiency careers are accessible to all.



*Includes non-Hispanic and Hispanic whites.

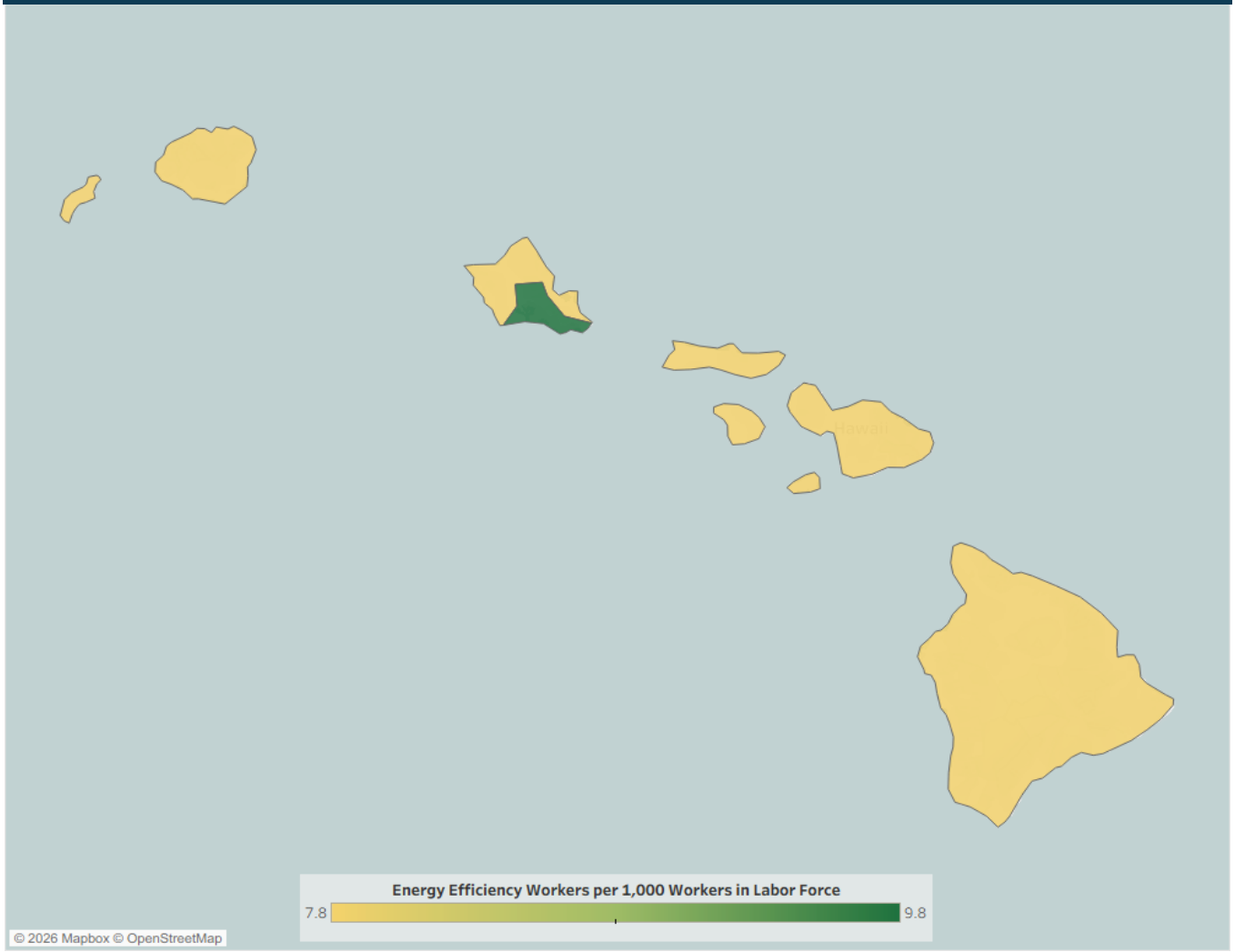
Gender in the Hawaii EE Workforce



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

Energy efficiency jobs are everywhere

EE Jobs by Congressional District



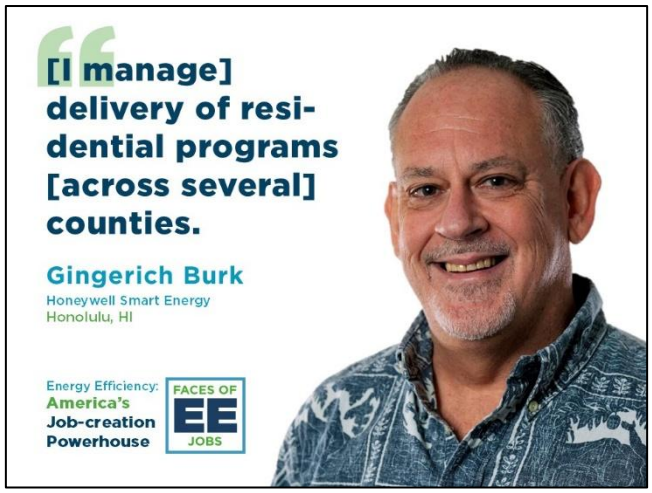
Congressional			Metropolitan Areas	
District	**Jobs**		**Area**	**Jobs**
1	**3,565**		**Honolulu**	**4,737**
2	**2,658**		**Rural**	**1,486**

State Senate					
District	Jobs	District	Jobs	District	Jobs
1	152	11	197	21	217
2	156	12	247	22	239
3	187	13	388	23	172
4	109	14	247	24	507
5	229	15	263	25	194
6	195	16	369		
7	210	17	442		
8	227	18	80		
9	91	19	359		
10	376	20	370		

State House of Representatives					
District	Jobs	District	Jobs	District	Jobs
1	38	18	130	35	420
2	128	19	83	36	327
3	11	20	<10	37	<10
4	96	21	216	38	229
5	78	22	179	39	91
6	22	23	126	40	336
7	105	24	120	41	<10
8	72	25	219	42	<10
9	96	26	<10	43	197
10	112	27	<10	44	<10
11	97	28	238	45	217
12	97	29	223	46	191
13	94	30	<10	47	131
14	81	31	238	48	248
15	88	32	<10	49	92
16	48	33	179	50	219
17	71	34	157	51	46

Faces of EE

The EE industry creates jobs, lowers bills, and strengthens the economy. Woven through communities via manufacturing, construction, professional services, and more, EE jobs are the backbone of the energy sector. This sample of people highlights just a few of the wide variety of jobs in the energy efficiency industry and the potential for growth when workforce development and training are prioritized.





Note: Some individuals pictured may have changed jobs since they joined Faces of EE.

This report was funded by the Building Performance Foundation and informed by the industry expertise of the Building Performance Association. Research was conducted by BW Research Partnership.

The Building Performance Foundation (BPF) is a 501(c)(3) charitable organization that works with policymakers, industry stakeholders, and professionals across the trades to educate and advance understanding of building performance, support workforce development, and expand access to career opportunities. Visit www.foundation.building-performance.org.

The Building Performance Association (BPA) is a 501(c)(6) industry trade association that serves and represents the professionals and businesses working to make America's homes more comfortable, healthy, and energy efficient, supporting them through membership, advocacy, education, and engagement. Visit www.building-performance.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 August 2026 U.S. Energy and Employment Report, 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.