

Alaska

Energy Efficiency Jobs in America

4,127

Total Jobs

What are EE Jobs?

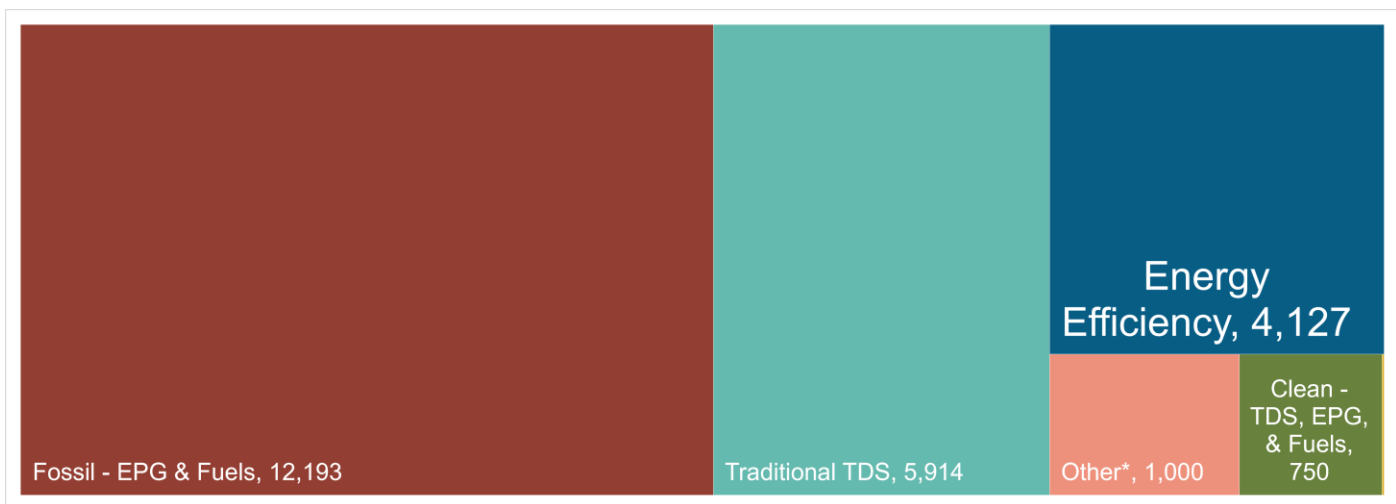
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 & industrial buildings.
- **Design and construct** high performance buildings such as those earning LEED certification.
- **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 Alaska?

Energy Efficiency is the third largest energy sector in Alaska.



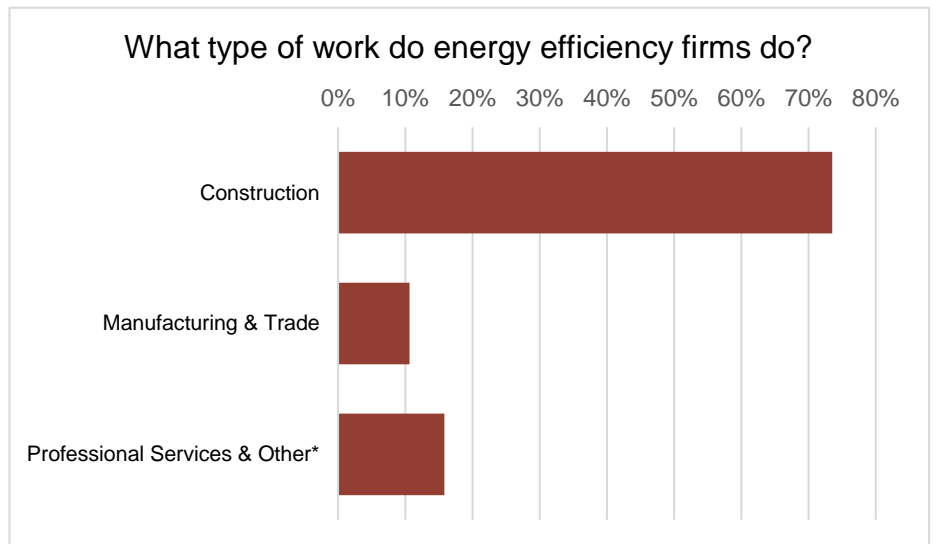
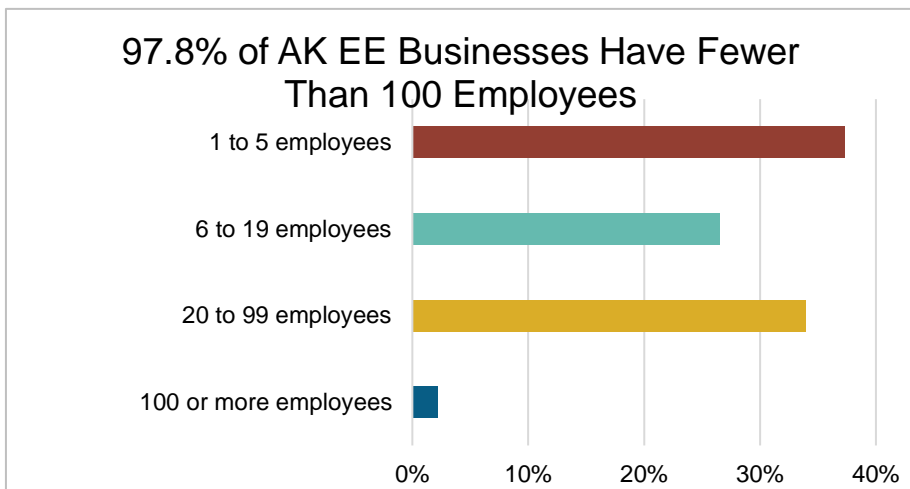
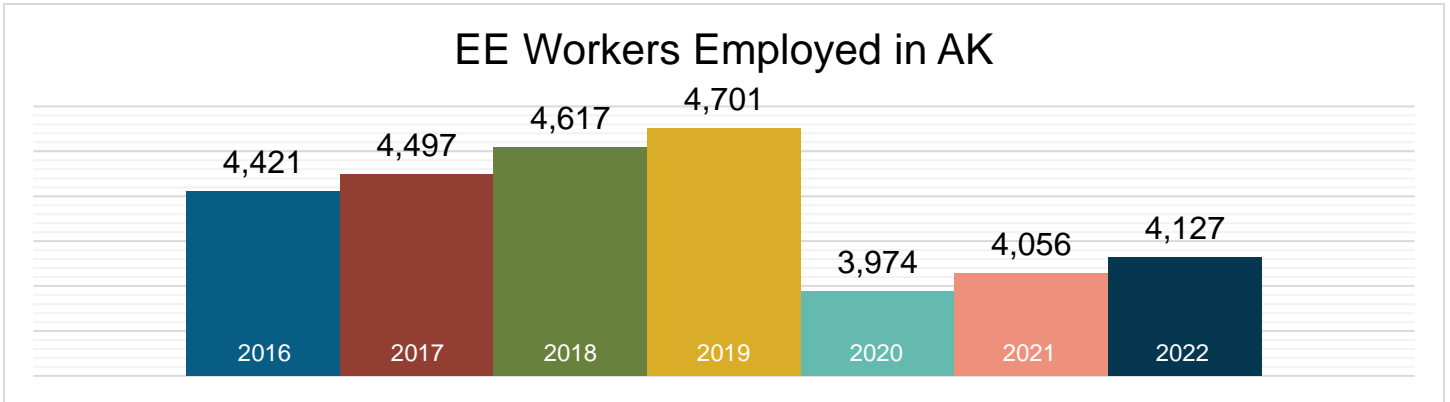
TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 13

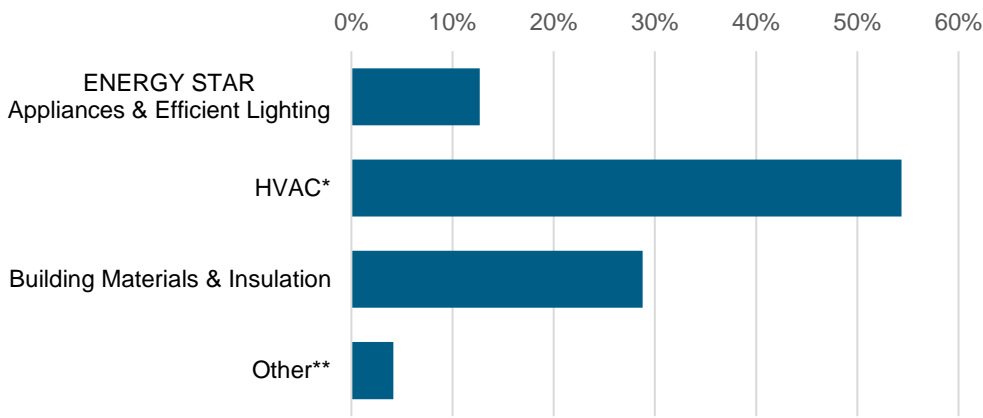
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What does EE look like in Alaska?



*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?



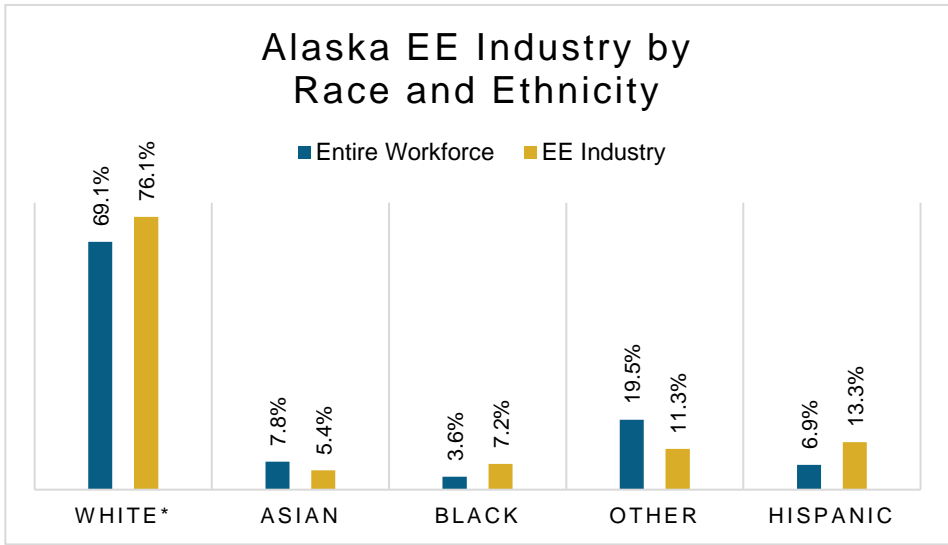
10%
of Alaska
EE workers are
Veterans

*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 Alaska?

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 Alaska 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.



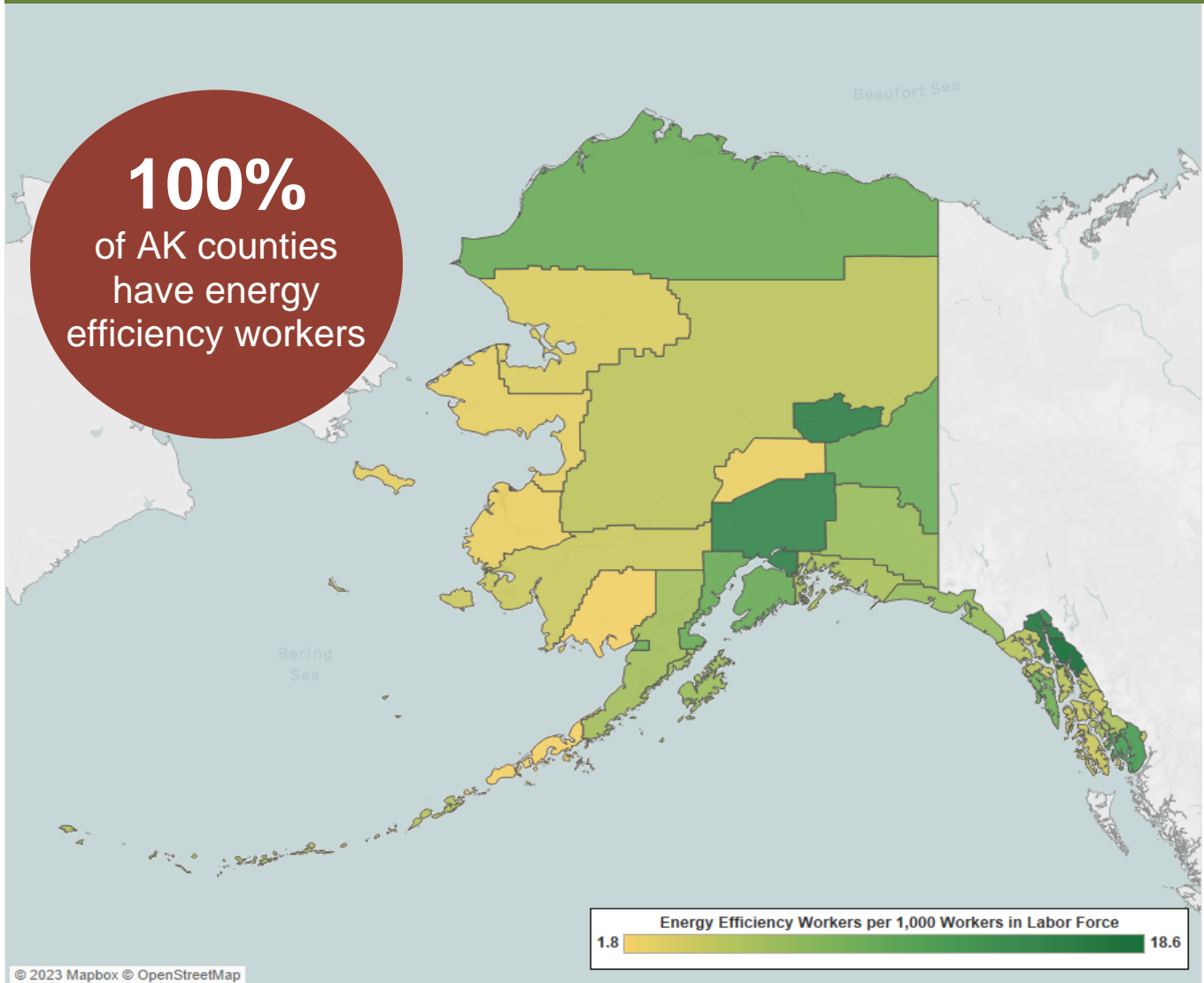
*Includes non-Hispanic and Hispanic whites.



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.

Energy Efficiency Jobs are Everywhere

EE Jobs by County



Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,127	Anchorage	2,646
		Fairbanks	556
		Rural	925

State Senate

District	Jobs	District	Jobs
00A	492	00L	235
00B	<10	00M	74
00C	81	00N	10
00D	442	00O	247
00E	16	00P	169
00F	29	00Q	265
00G	182	00R	214
00H	783	00S	86
00I	487	00T	108
00K	199		

State House of Representatives

District	Jobs	District	Jobs
1	384	22	123
2	107	23	235
3	<10	24	<10
4	<10	25	<10
5	<10	26	74
6	79	27	<10
7	412	28	10
8	30	29	247
9	12	30	<10
10	<10	31	81
11	<10	32	88
12	29	33	265
13	182	34	<10
14	<10	35	105
15	548	36	109
16	234	37	51
17	<10	38	35
18	486	39	39
19	<10	40	68
20	<10		
21	81		



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E2 is a national, nonpartisan group of business leaders, investors and others 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: Except for county data on page 4, all data are from the U.S. Energy and Employment Report, June 2023, 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 E4TheFuture analyses please email: policy@e4thefuture.org