

# Alabama

## Energy Efficiency Jobs in America

31,549  
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 Alabama?

*Energy efficiency is the largest energy sector in Alabama.*



TDS = Transmission, Distribution, & Storage

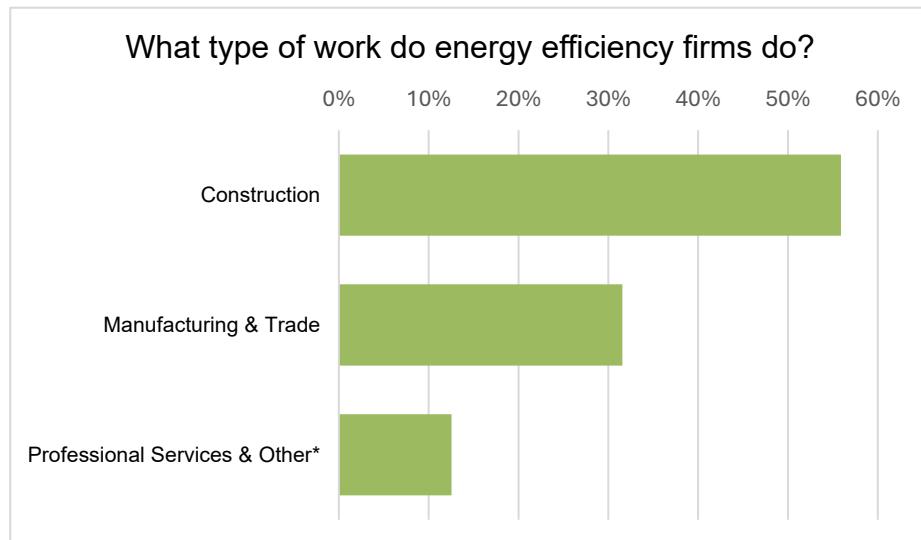
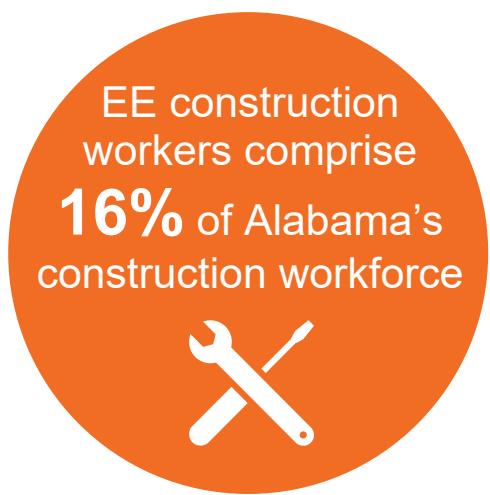
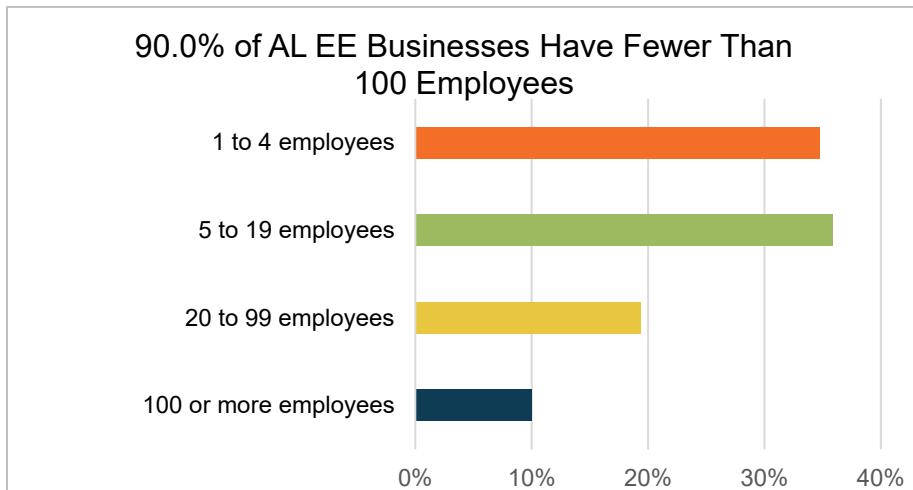
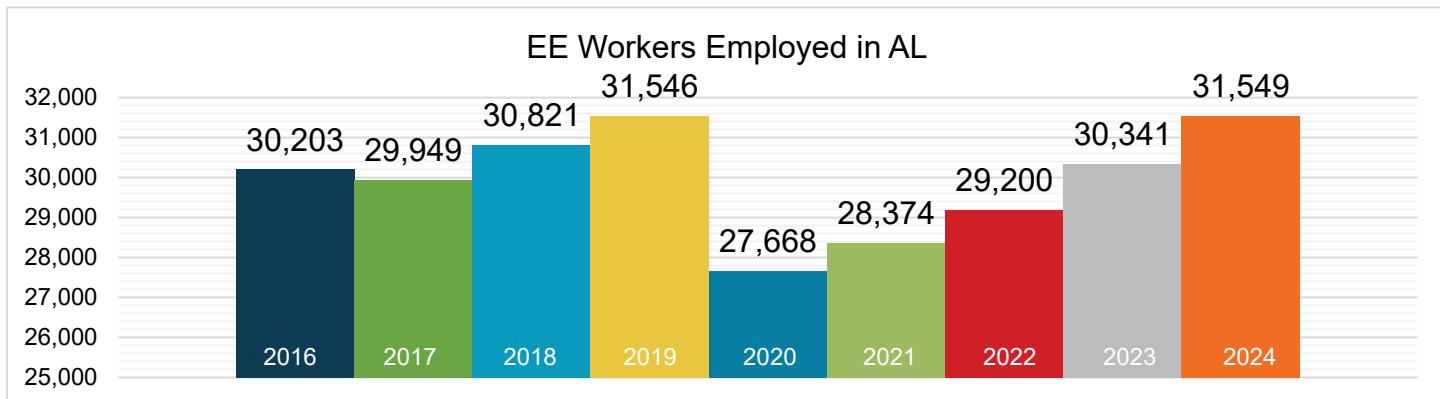
EPG = Electric Power Generation

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

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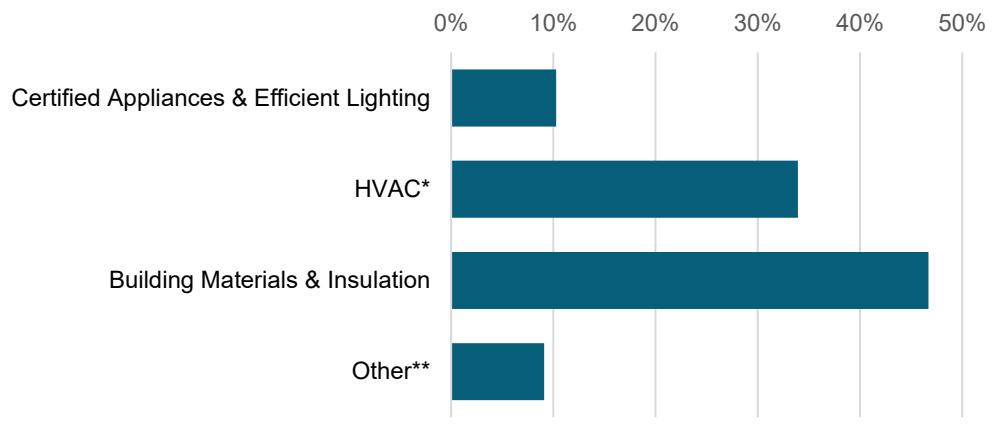


## What does EE look like in Alabama?



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

## What energy efficiency sectors employ the most workers?



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

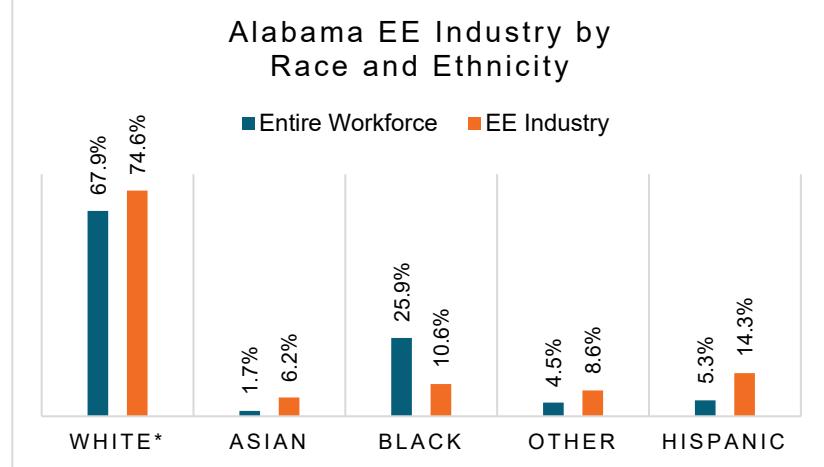
**8%**  
of Alabama  
EE workers are  
veterans



## How representative is the EE workforce in Alabama?

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

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



\*Includes non-Hispanic and Hispanic whites.

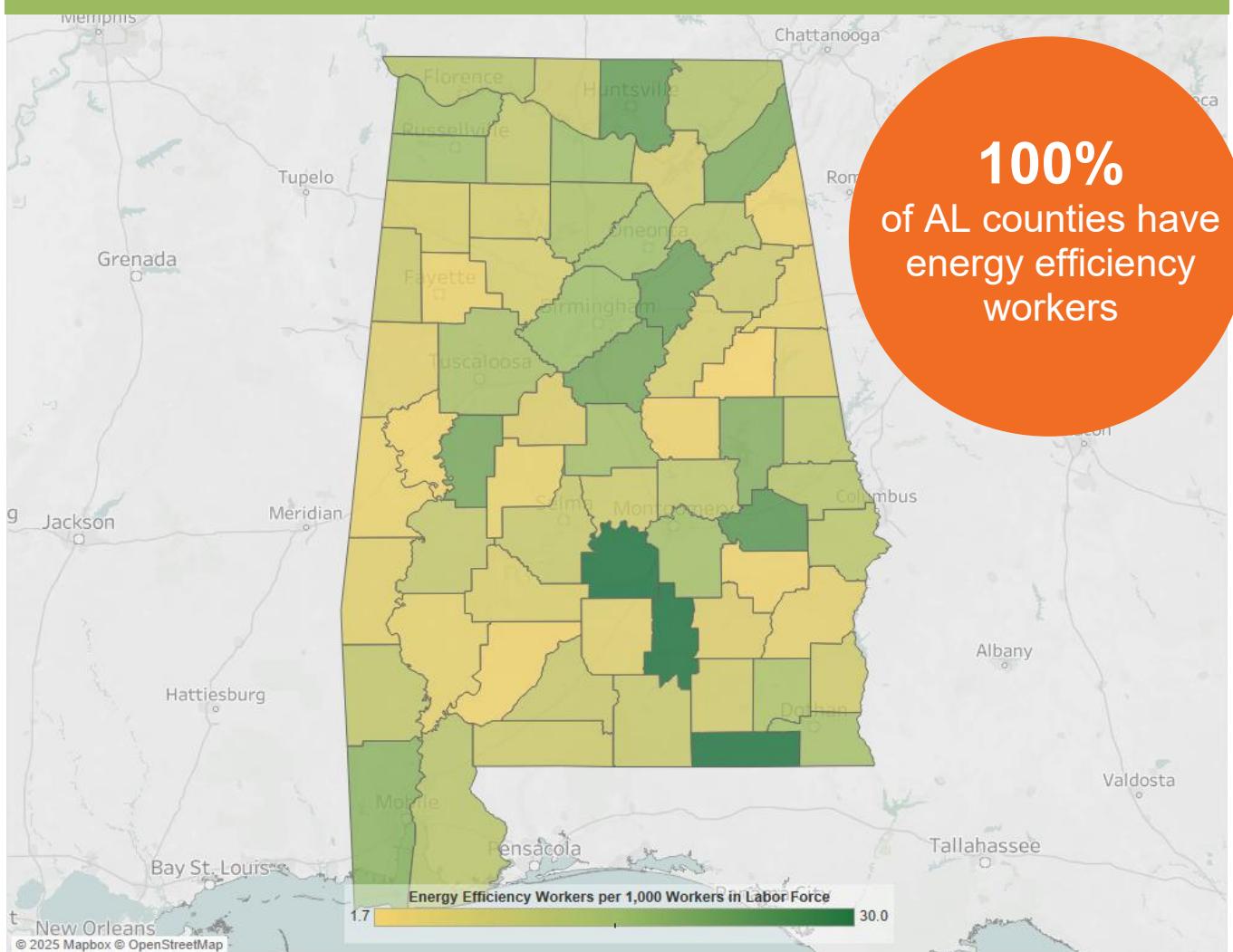
## Gender in the Alabama EE Workforce



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 County



The energy efficiency job concentration displayed above is capped at thirty jobs per thousand in order to maintain observable differences between the majority of counties within the state. This is done to eliminate the influence outliers have on overall color gradient. For a full list of energy efficiency jobs by county, please visit the Department of Energy's (DOE) United States Energy and Employment Report (USEER) County-Level data site at <https://www.energy.gov/media/348937>.

Congressional		Metropolitan Areas			
District	Jobs	Area	Jobs	Area	Jobs
1	3,903	Anniston-Oxford	375	Gadsden	373
2	4,893	Auburn-Opelika	818	Huntsville	5,492
3	2,796	Birmingham-Hoover	8,560	Mobile	3,174
4	3,145	Columbus	162	Montgomery	2,496
5	6,901	Decatur	914	Tuscaloosa	1,487
6	4,624	Dothan	954	Rural	5,984
7	5,287	Florence-Muscle Shoals	760		

## State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	565	11	711	21	999	31	418
2	1,785	12	485	22	627	32	609
3	1,084	13	455	23	401	33	963
4	585	14	1,068	24	490	34	1,163
5	431	15	1,198	25	943	35	1,140
6	731	16	914	26	1,435		
7	2,029	17	1,030	27	666		
8	1,158	18	1,331	28	611		
9	1,184	19	1,239	29	926		
10	528	20	1,205	30	440		

## State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	284	28	276	55	540	82	269
2	147	29	74	56	226	83	295
3	334	30	198	57	499	84	96
4	64	31	172	58	625	85	260
5	222	32	174	59	195	86	417
6	687	33	121	60	446	87	312
7	97	34	122	61	298	88	90
8	524	35	83	62	219	89	146
9	357	36	286	63	393	90	226
10	144	37	52	64	212	91	139
11	119	38	137	65	108	92	127
12	307	39	141	66	157	93	213
13	104	40	88	67	117	94	169
14	175	41	352	68	94	95	279
15	576	42	149	69	372	96	242
16	73	43	432	70	440	97	193
17	130	44	449	71	139	98	422
18	208	45	409	72	100	99	443
19	422	46	782	73	470	100	406
20	794	47	336	74	376	101	333
21	1,080	48	313	75	168	102	304
22	665	49	188	76	404	103	543
23	198	50	242	77	371	104	265
24	356	51	372	78	616	105	469
25	1,040	52	232	79	262		
26	189	53	547	80	195		
27	151	54	409	81	265		





The Building Performance Association (BPA) is a nonprofit industry association that serves as the hub for businesses, nonprofits, and government agencies working to make America's homes more energy-efficient, comfortable, healthy, and safe. Visit [www.building-performance.org](http://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](http://www.bwresearch.com).

**Data Source:** Unless otherwise stated, all data are from the August 2025 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](mailto:communications@building-performance.org).

