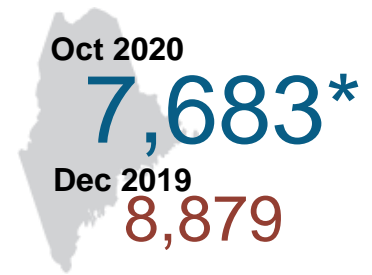


Maine

Energy Efficiency Jobs in America



Clean energy workers are a huge and important part of America's workforce. We know from our country's last economic crisis that clean energy can lead the way to recovery.

Hundreds of thousands of workers are ready to return to work to build a better, cleaner, more equitable economy for tomorrow. With innovative policies we could get these workers back on the job today. Congress can start by spurring investments in energy efficiency (EE) and help the economy recover and grow for years to come.

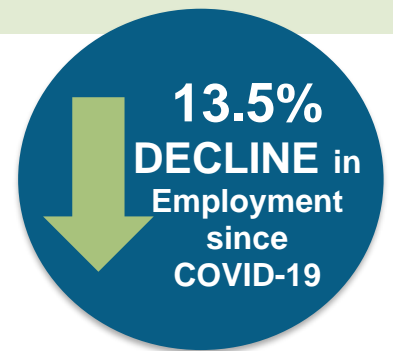
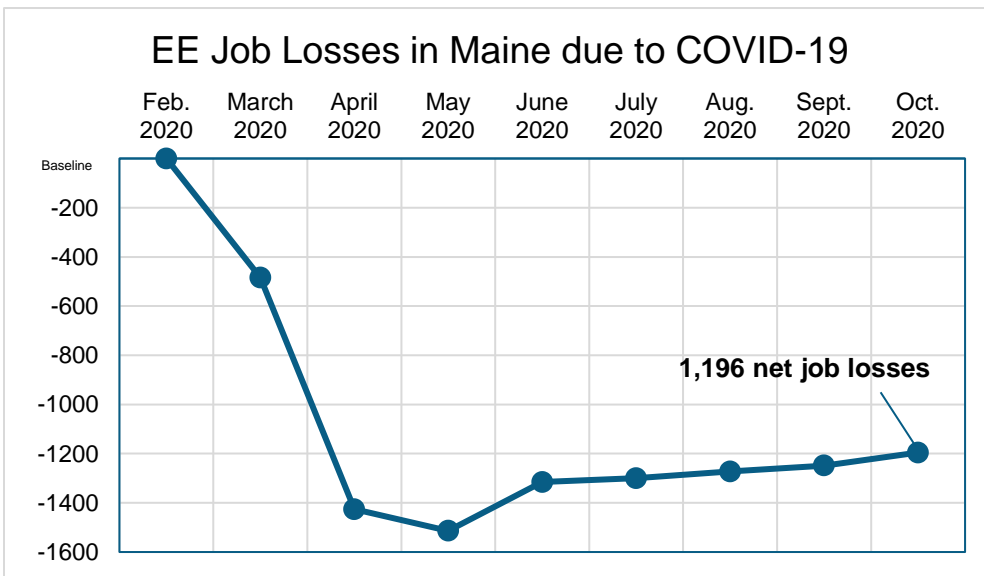
COVID-19 Impacts on the EE Job Sector

The 2020 pandemic shocked our nation's labor market with massive job losses. Maine's energy efficiency industry lost as many as 1,196 jobs since its onset, a 13.5% decrease compared to total jobs in December 2019—wiping out the last 3 years of gains.

This disruption continues to ripple throughout the supply chain, slowing or halting the manufacture of efficiency equipment and components including insulation; windows; heating, ventilation, and air conditioning (HVAC) equipment; and other building systems technologies.

The energy efficiency workforce has the skills and expertise to meet this moment. Historically the Maine EE workforce grew steadily, gaining 9.8% since 2016.**

As the U.S. advances our economic recovery, policy solutions must create conditions to return to work laid-off/furloughed EE workers and to create a pathway for new workers to join this vital sector.



Presented by:



*Source: [Clean Energy Employment Initial Impacts from the COVID-19 Economic Crisis, March 2020-October 2020](#).
**first available sector-specific data

What are EE Jobs?

Jobs that deliver goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

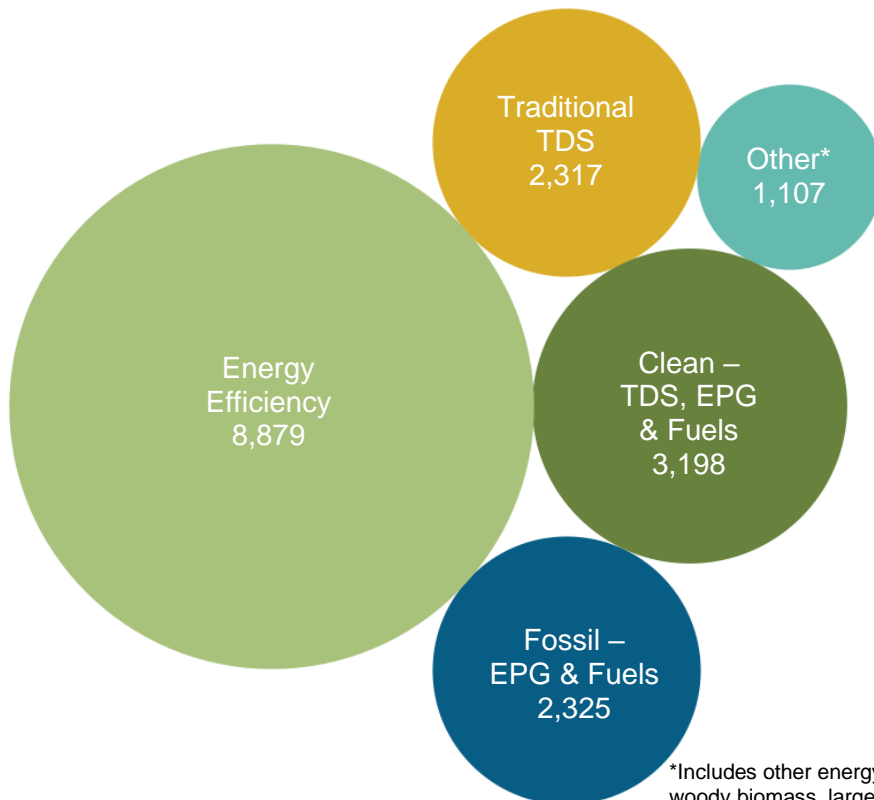
What type of work are EE workers doing?

- 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 energy data using software to maximize 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

All EE jobs counted in this report enhance energy efficiency. The above descriptions provide illustrative examples of what some EE workers do, and should not be considered an exhaustive list of all efficiency work.

How does EE compare in Maine?

Energy efficiency is the largest energy sector in Maine.

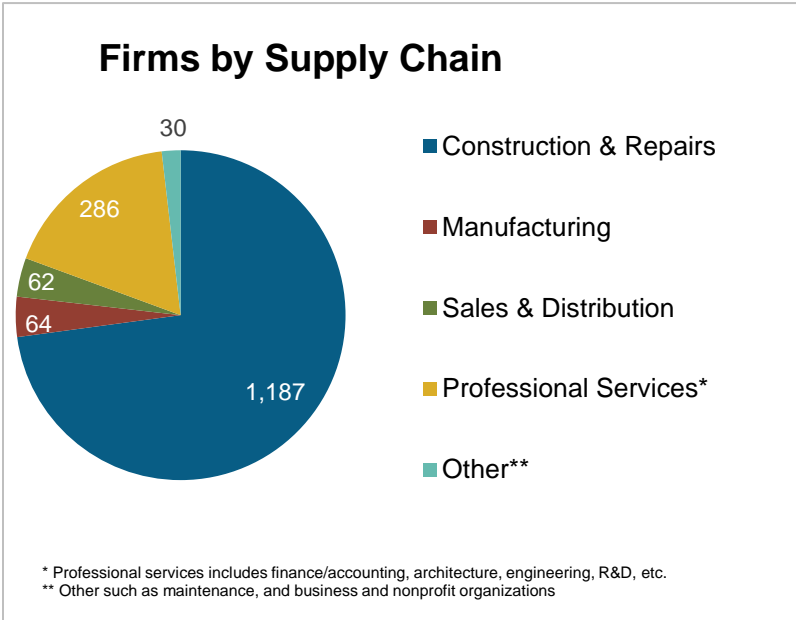
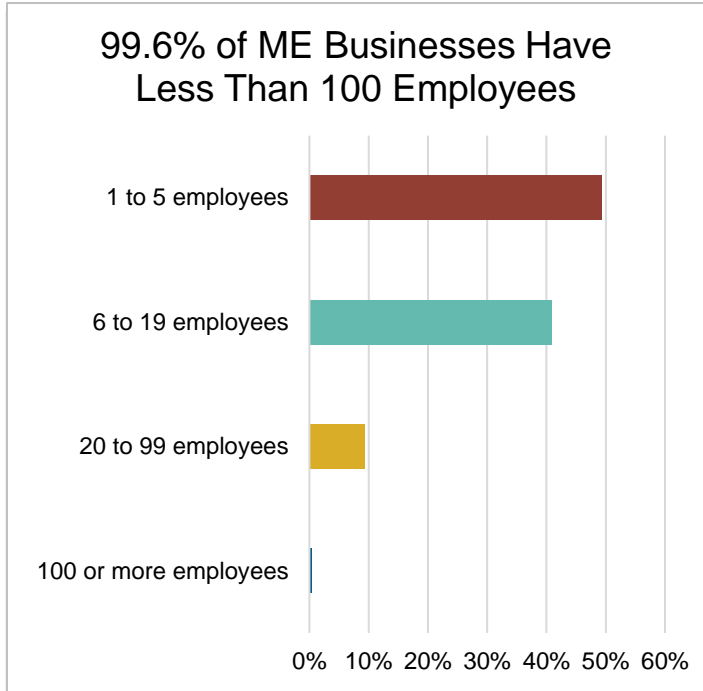


Energy efficiency in Maine has seen consistent, reliable job growth – 9.8 percent since 2016.

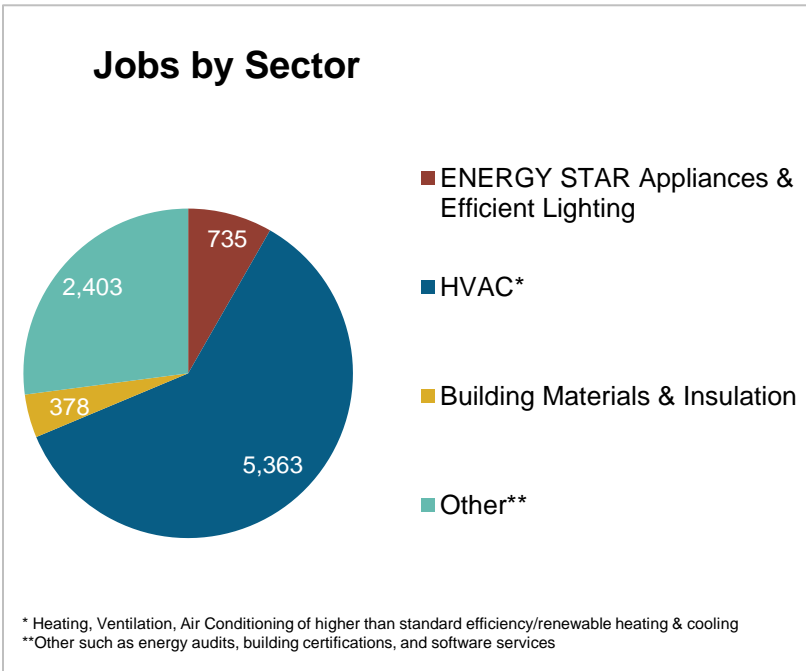
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What do the EE businesses look like in Maine?

EE Sector =
1,629
 Businesses in ME
 (Dec. 2019)
 ↑ **40** over 2018



7.8%
 of Maine
 residents employed
 in EE are **Veterans**

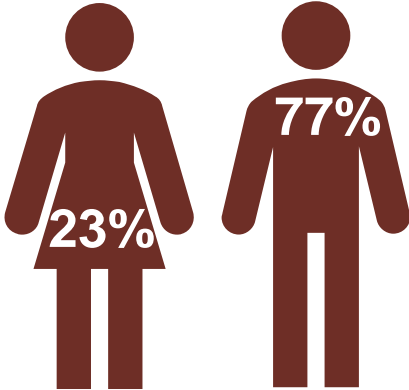
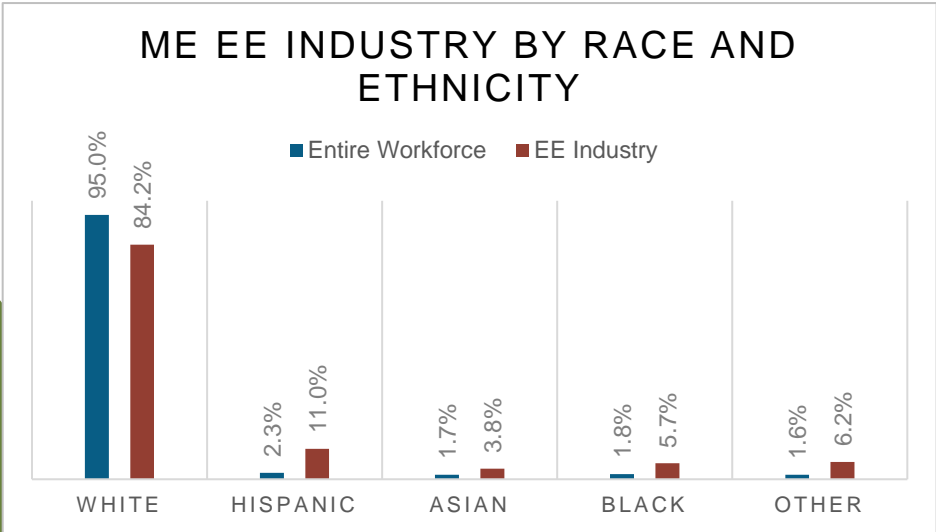



**Energy Efficiency
 Construction Workers
 Make Up 20% of ME
 Construction Workers**

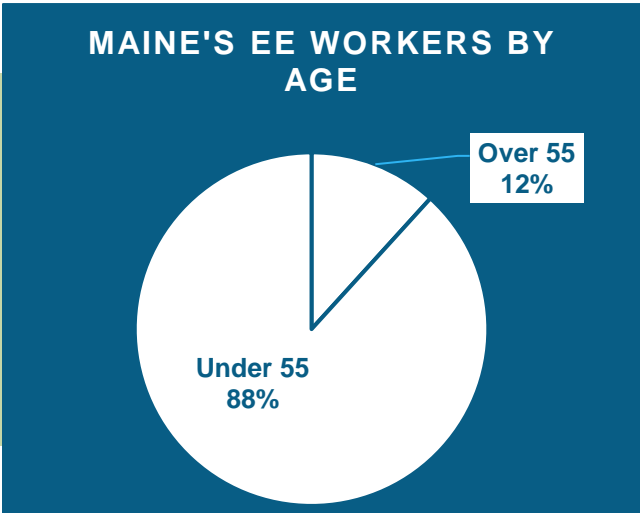
How is EE Doing regarding Diversity in Maine?

Demographic data is crucial for benchmarks and to measure progress in the energy efficiency 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 will enable them to obtain and/or retain employment at EE businesses.



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.



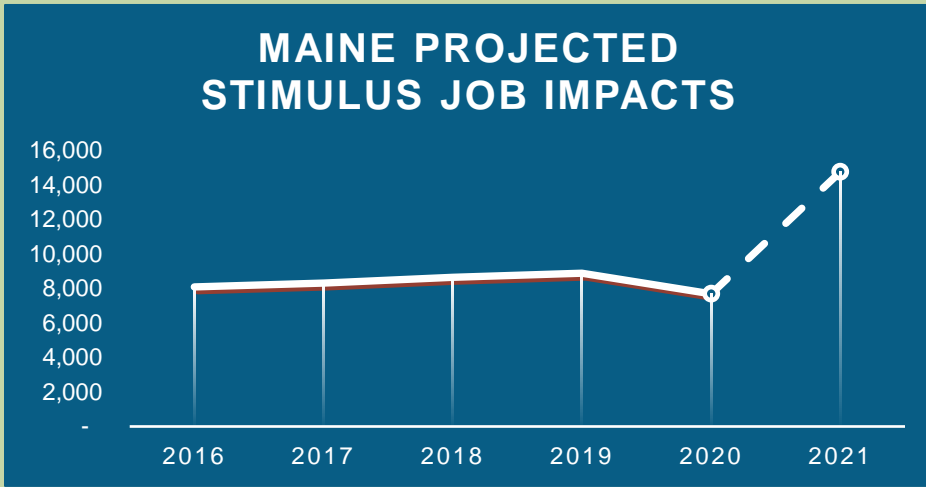
A significant portion of the Maine efficiency workforce is in the "55+" category. 12% are likely to retire within the next ten years, providing career opportunities for current and future professionals.

Why invest in EE?

Economic benefits of a federal energy efficiency stimulus package include high-quality jobs for U.S. residents, worker income, boosts to local, state, and federal tax revenues, contributions to Gross Domestic Product (GDP), and energy cost savings.

All these benefits ultimately translate to greater cash flow and stronger local economies. Energy efficiency jobs are proven to be sustainable wage positions that are accessible to all localities nationwide — regardless of geography or politics — providing new jobs that cannot be outsourced.

Updates to U.S. energy infrastructure are investments in the collective economic future of Americans; the creation of a more resilient energy system is vital to economic growth and security.

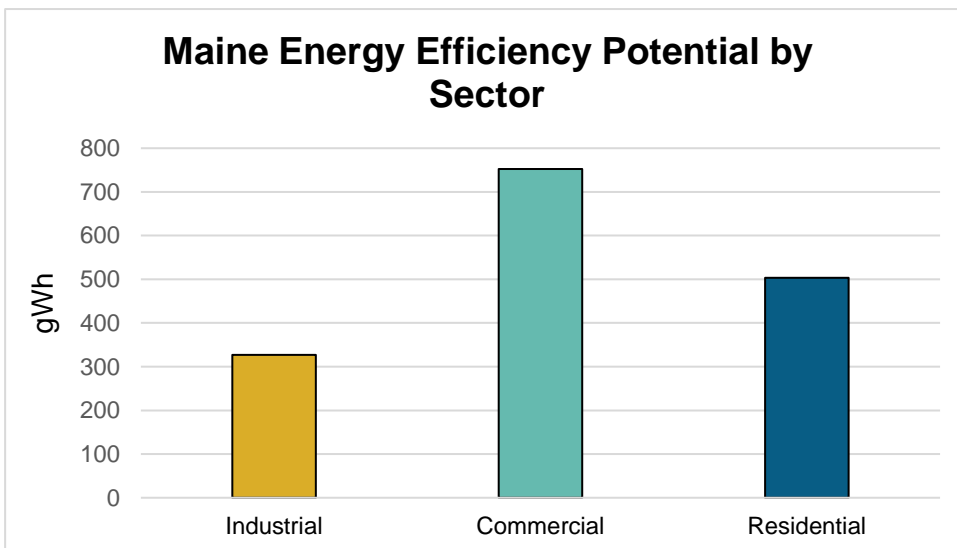


Source: [Build Back Better, Faster](#).

Modeling finds that federal investment would create **7,070 full-time direct, indirect, and induced ME jobs** that will last for at least five years: Over **35,351 job-years** total.

A stimulus of this level and the jobs it would create would also generate more than **\$412 million in GDP** each year for the next five years – resulting in **\$2.1 billion in economic activity**, more than 3.8 times the investment.

How much energy efficiency is untapped in your state?



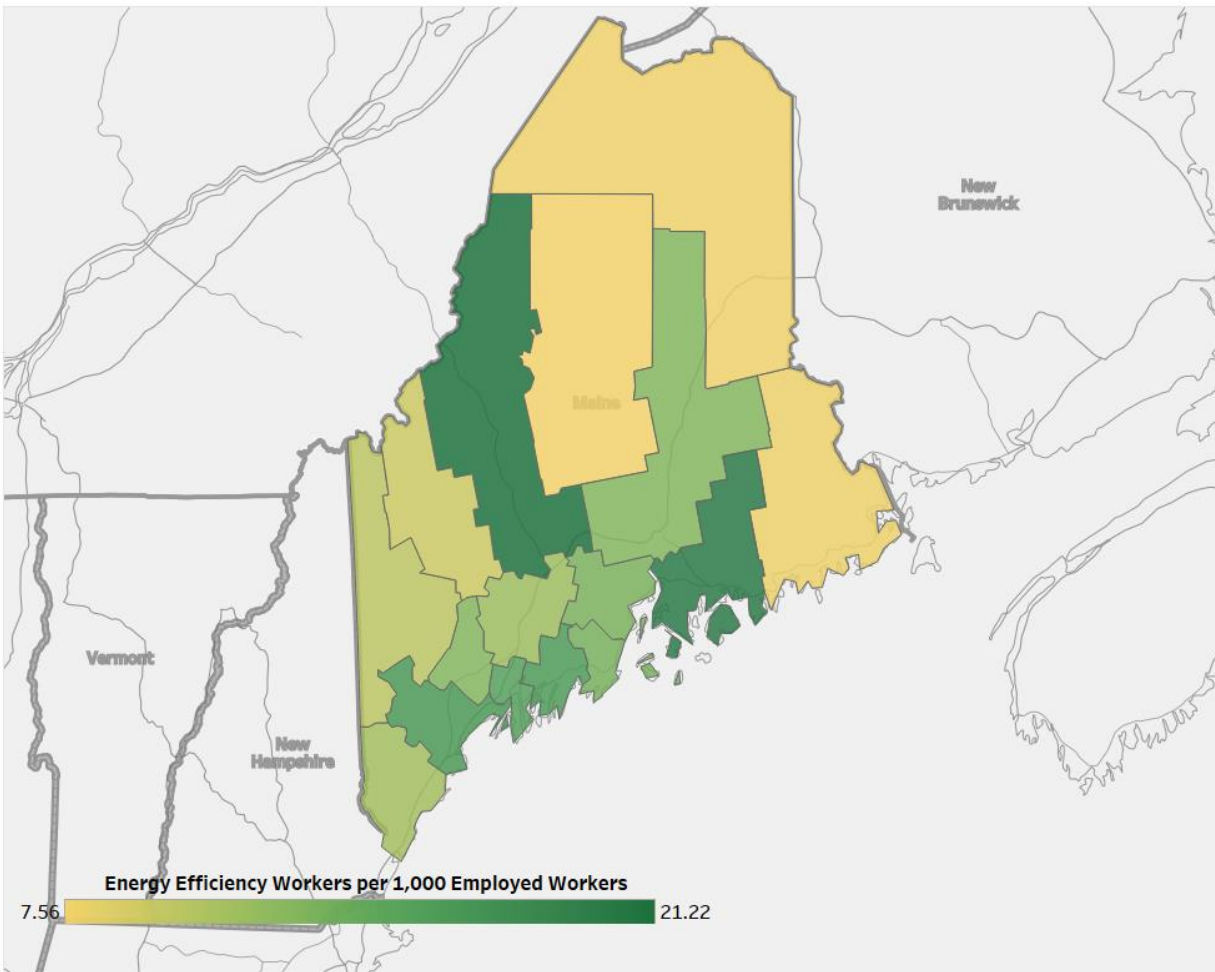
Source: [State and Local Planning for Energy \(SLOPE\) Platform](#).

Combined, this would displace the annual electricity consumption of **234,715** homes.

Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,125	Bangor	876
2	3,755	Lewiston-Auburn	541
		Portland- South Portland	3,896
		Rural	3,567

Energy Efficiency Jobs by County



State Upper House

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	141	11	558	21	175	31	193
2	221	12	316	22	182	32	402
3	226	13	300	23	241	33	228
4	149	14	486	24	377	34	139
5	439	15	27	25	504	35	282
6	193	16	182	26	64		
7	435	17	176	27	743		
8	173	18	223	28	<5		
9	51	19	208	29	351		
10	135	20	211	30	149		

State Lower House

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	128	40	<5	79	39	118	32
2	25	41	<5	80	26	119	76
3	129	42	<5	81	117	120	<5
4	167	43	80	82	6	121	30
5	63	44	<5	83	24	122	19
6	<5	45	141	84	19	123	21
7	<5	46	30	85	<5	124	<5
8	91	47	62	86	<5	125	<5
9	246	48	105	87	36	126	<5
10	61	49	133	88	13	127	<5
11	<5	50	<5	89	78	128	79
12	<5	51	91	90	120	129	46
13	29	52	<5	91	74	130	41
14	120	53	69	92	47	131	171
15	<5	54	65	93	88	132	<5
16	62	55	91	94	98	133	59
17	28	56	33	95	51	134	106
18	27	57	69	96	328	135	78
19	<5	58	173	97	89	136	73
20	65	59	<5	98	68	137	72
21	18	60	<5	99	22	138	32
22	67	61	<5	100	59	139	34
23	46	62	134	101	395	140	45
24	150	63	<5	102	59	141	44
25	<5	64	15	103	<5	142	<5
26	104	65	49	104	41	143	8
27	296	66	22	105	27	144	77
28	138	67	<5	106	56	145	16
29	<5	68	50	107	66	146	56
30	37	69	84	108	60	147	63
31	<5	70	62	109	<5	148	28
32	<5	71	35	110	<5	149	<5
33	<5	72	39	111	<5	150	58
34	<5	73	50	112	107	151	6
35	<5	74	39	113	43	152	<5
36	500	75	49	114	<5	153	<5
37	<5	76	70	115	27		
38	330	77	258	116	16		
39	6	78	116	117	58		



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



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Data Source: Unless otherwise stated, all data are from the 2020 U.S. Energy and Employment Report, March 2020, by NASEO and EFI (see Appendix A, pages 201-206 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 U.S. Bureau of Labor Statistics -- provides the broadly accepted best accounting of all U.S. energy workers.