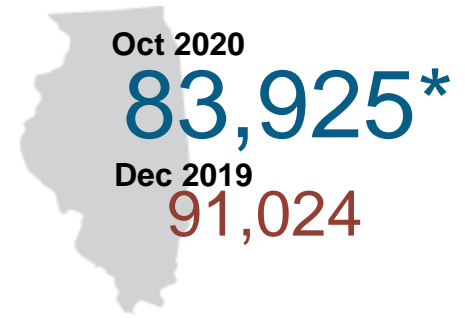


Illinois

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.

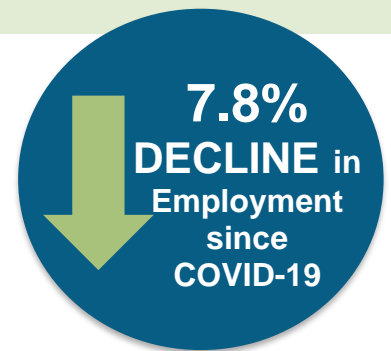
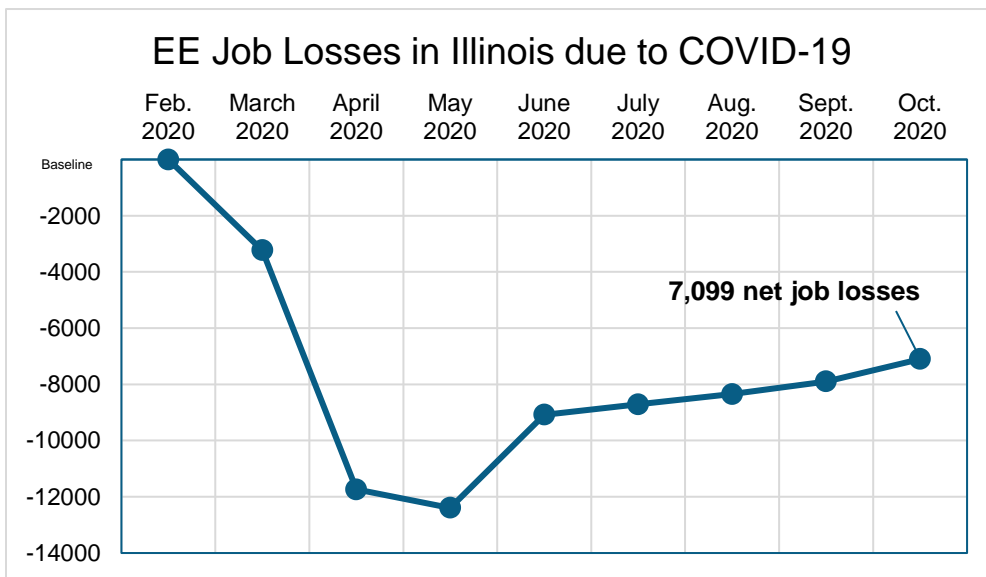
COVID-19 Impacts on the EE Job Sector

The 2020 pandemic shocked our nation’s labor market with massive job losses. Illinois’s energy efficiency industry lost as many as 7,099 jobs since its onset, a 7.8% 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 Illinois EE workforce grew steadily, gaining 8.4% 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.

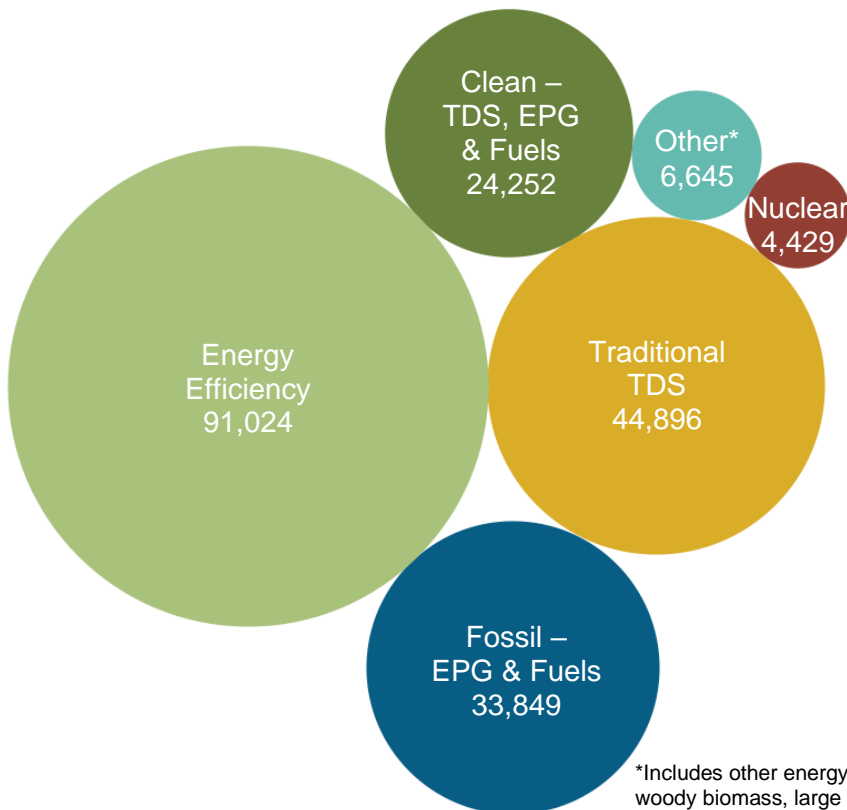
What type of work are EE workers doing?

- 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 Illinois?

Energy efficiency is the largest energy sector in Illinois.

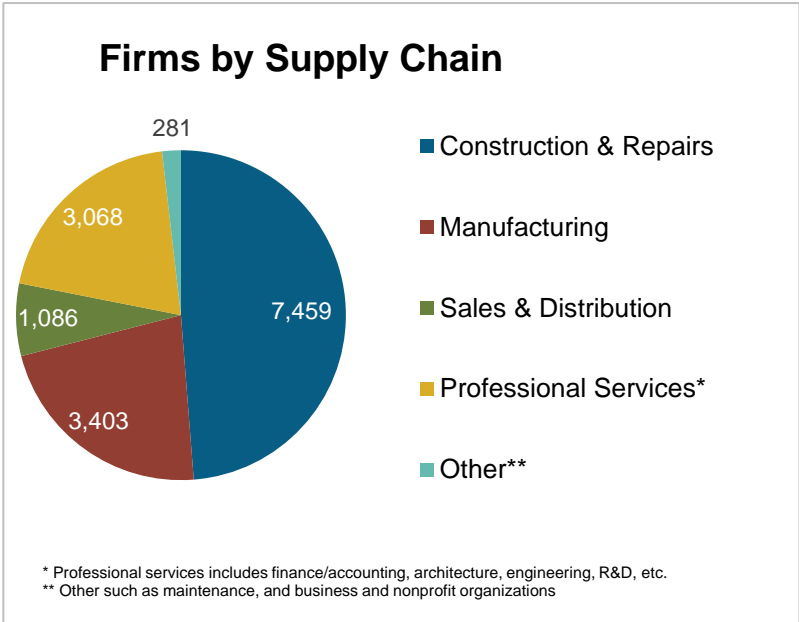
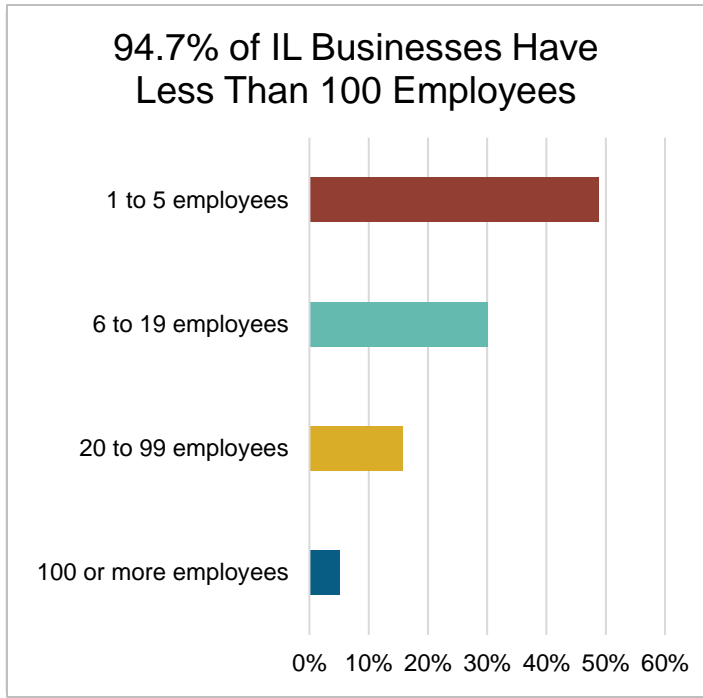


Energy efficiency in Illinois has seen consistent, reliable job growth – 8.4 percent since 2016.

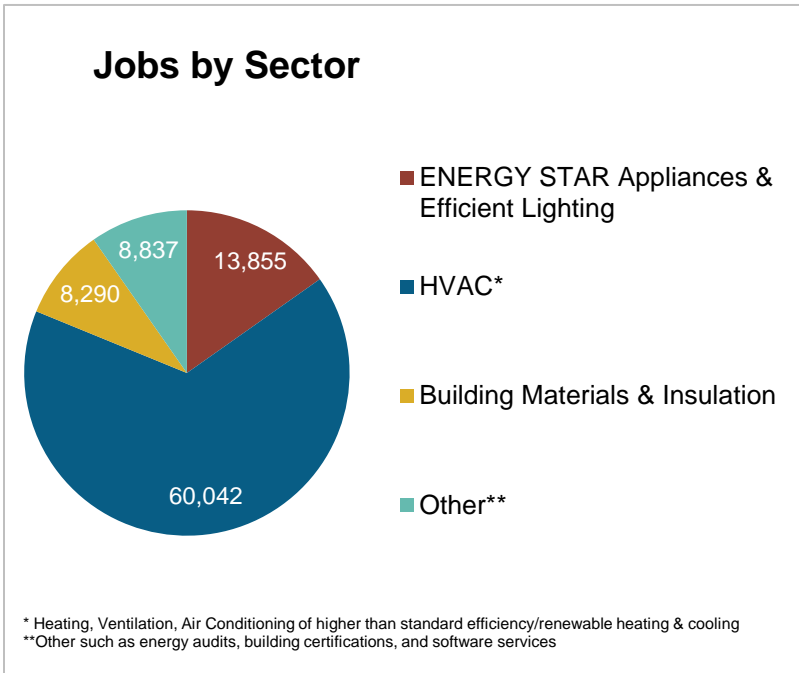
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What do the EE businesses look like in Illinois?

EE Sector =
15,298
 Businesses in IL (Dec. 2019)
 ↑ **260** over 2018



7.1%
 of Illinois
 residents employed
 in EE are **Veterans**

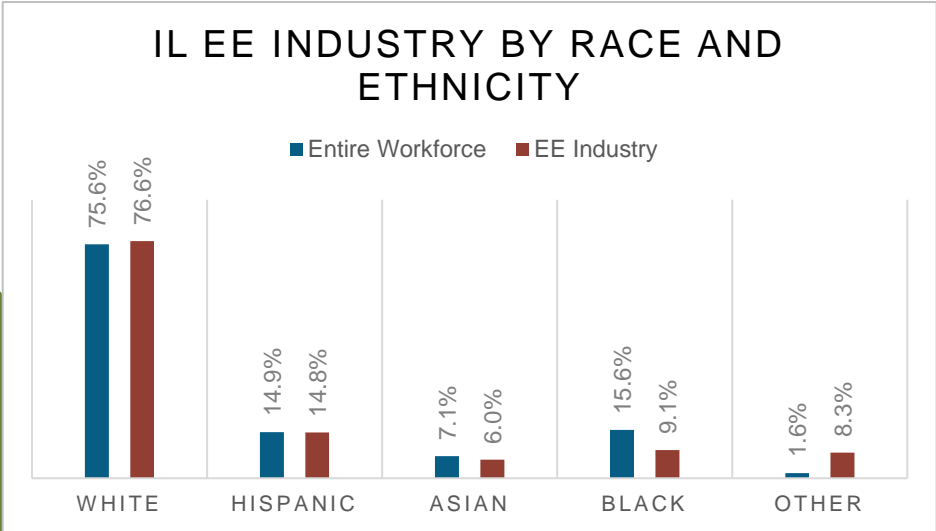


**Energy Efficiency
 Construction Workers
 Make Up 18% of IL
 Construction Workers**

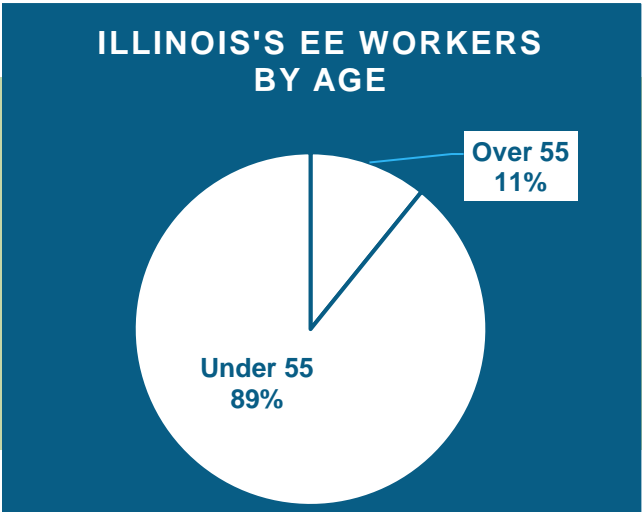
How is EE Doing regarding Diversity in Illinois?

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 Illinois 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.



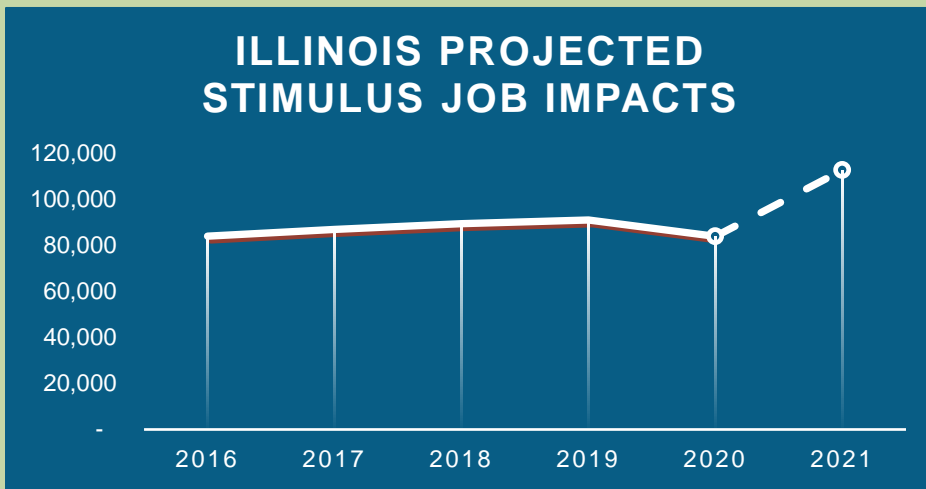
A significant portion of the Illinois efficiency workforce is in the “55+” category. 11% are likely to retire within the next ten years, providing career opportunities for current and future professionals.

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.

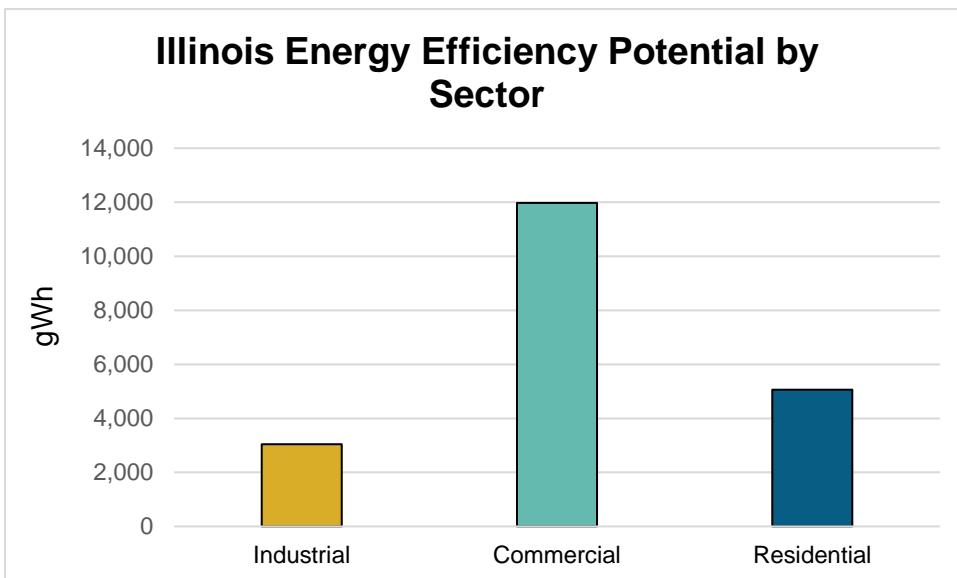


Source: [Build Back Better, Faster](#).

Modeling finds that federal investment would create **28,756 full-time direct, indirect, and induced IL jobs** that will last for at least five years: Over **143,781 job-years** total.

A stimulus of this level and the jobs it would create would also generate more than **\$2.3 billion in GDP** each year for the next five years — resulting in **\$11.3 billion in economic activity**, more than 4.8 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 **2,359,973 homes**.

Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,237	Bloomington-Normal	925
2	2,162	Cape Girardeau-Jackson	14
3	4,206	Champaign-Urbana	1,436
4	4,180	Chicago-Naperville-Joliet	64,224
5	7,748	Danville	511
6	10,750	Davenport-Moline-Rock Island	1,331
7	13,256	Decatur	708
8	3,100	Kankakee-Bradley	616
9	4,311	Peoria	2,634
10	4,374	Rockford	2,318
11	2,870	Springfield	1,849
12	5,179	St. Louis	4,518
13	5,393	Rural	9,938
14	2,835		
15	3,659		
16	4,814		
17	4,336		
18	2,614		

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	1,393	16	691	31	757	46	787
2	2,241	17	527	32	967	47	1,164
3	13,200	18	190	33	387	48	2,363
4	2,561	19	1,537	34	1,990	49	105
5	631	20	<5	35	786	50	813
6	1,411	21	3,419	36	1,545	51	1,843
7	663	22	2,782	37	2,419	52	988
8	2,870	23	4,071	38	1,696	53	569
9	2,761	24	2,195	39	392	54	1,894
10	1,170	25	2,936	40	229	55	1,376
11	292	26	3,843	41	659	56	866
12	259	27	2,635	42	7	57	664
13	145	28	<5	43	670	58	1,314
14	2,079	29	1,070	44	2,510	59	1,036
15	1,475	30	361	45	823		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	910	32	<5	63	912	94	623
2	480	33	<5	64	53	95	1,133
3	1,256	34	508	65	386	96	1,227
4	978	35	190	66	<5	97	104
5	8,928	36	<5	67	1,285	98	<5
6	4,414	37	1,336	68	699	99	314
7	2,020	38	197	69	321	100	498
8	535	39	<5	70	458	101	748
9	630	40	<5	71	1,208	102	1,091
10	<5	41	1,995	72	335	103	506
11	1,128	42	1,420	73	1,704	104	480
12	285	43	1,870	74	711	105	152
13	452	44	906	75	1,215	106	415
14	213	45	2,676	76	471	107	813
15	2,531	46	1,390	77	8	108	1,082
16	343	47	2,190	78	383	109	875
17	2,260	48	<5	79	230	110	497
18	496	49	1,599	80	<5	111	407
19	267	50	1,335	81	482	112	457
20	901	51	2,742	82	174	113	481
21	73	52	1,100	83	<5	114	182
22	218	53	1,399	84	7	115	840
23	259	54	1,237	85	247	116	472
24	<5	55	<5	86	421	117	665
25	144	56	<5	87	1,584	118	369
26	<5	57	<5	88	924		
27	1,532	58	1,068	89	730		
28	541	59	201	90	91		
29	1,288	60	159	91	270		
30	183	61	524	92	518		
31	690	62	233	93	538		



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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.