

Louisiana

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

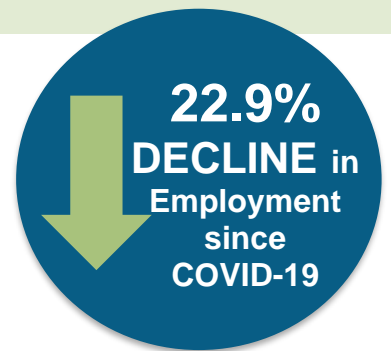
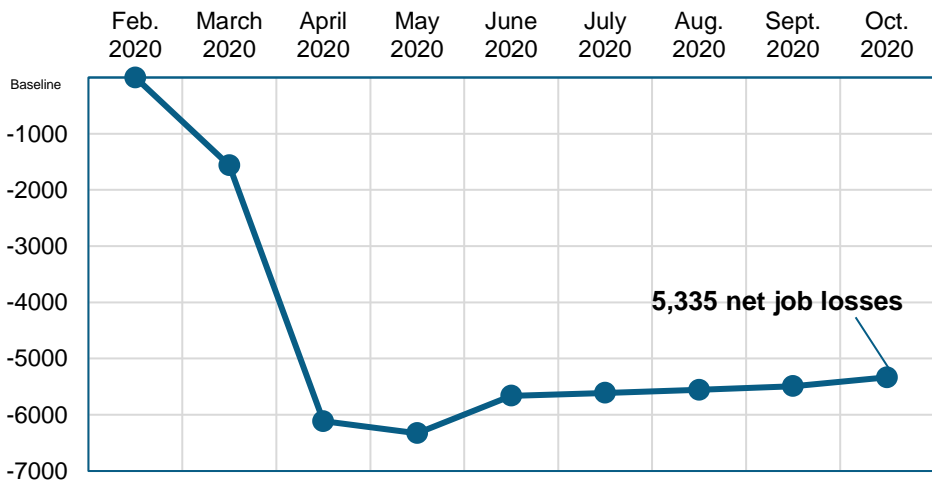
The 2020 pandemic shocked our nation's labor market with massive job losses. Louisiana's energy efficiency industry lost as many as 5,335 jobs since its onset, a 22.9% decrease compared to total jobs in December 2019—wiping out the last 3 years of gains.

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 Louisiana EE workforce grew steadily, gaining 18.3% 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.

EE Job Losses in Louisiana due to COVID-19



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.

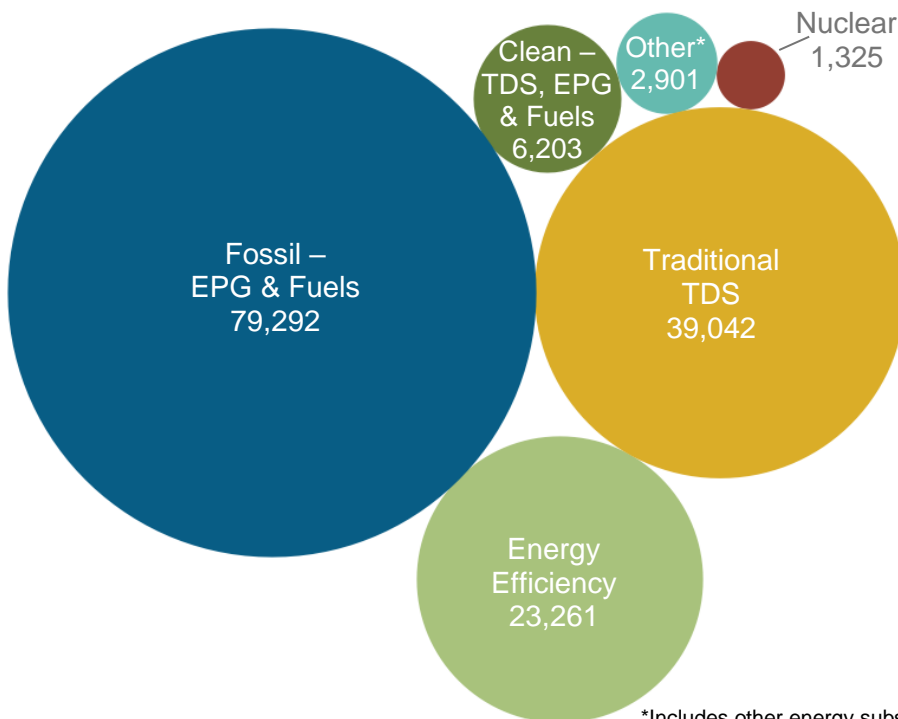
What type of work are EE workers doing?

- 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 Louisiana?

Energy efficiency is the third largest energy sector in Louisiana.

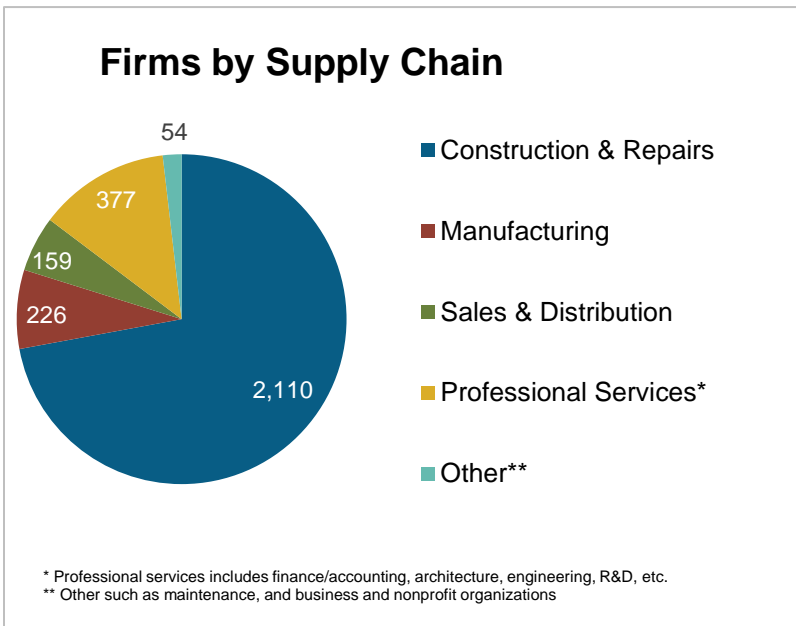
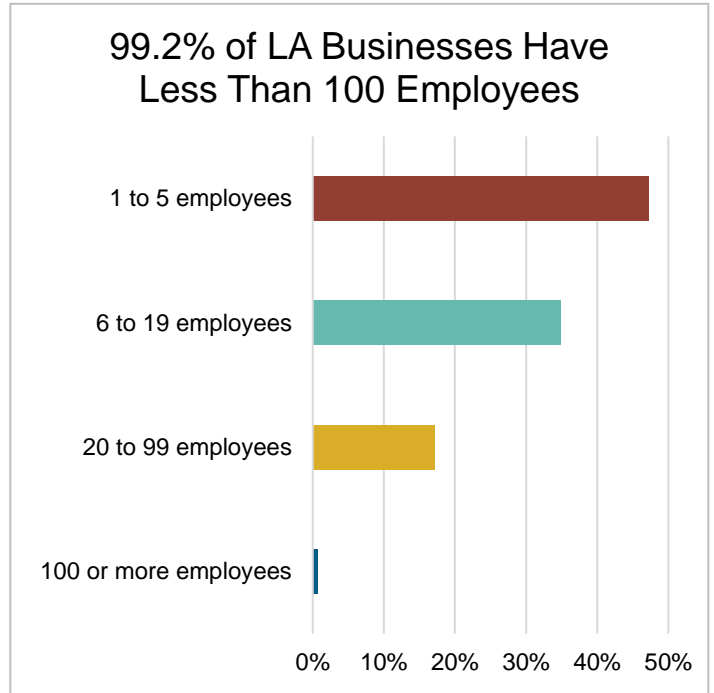


Fossil fuel jobs are historically key to Louisiana's energy economy, but the current job total doesn't tell the full story. The number of fossil fuel jobs has faced consistent downward pressure for decades and continues to fall. By contrast, before COVID-19, energy efficiency has grown by 18.3% from 2016-2019, adding 3,605 jobs.

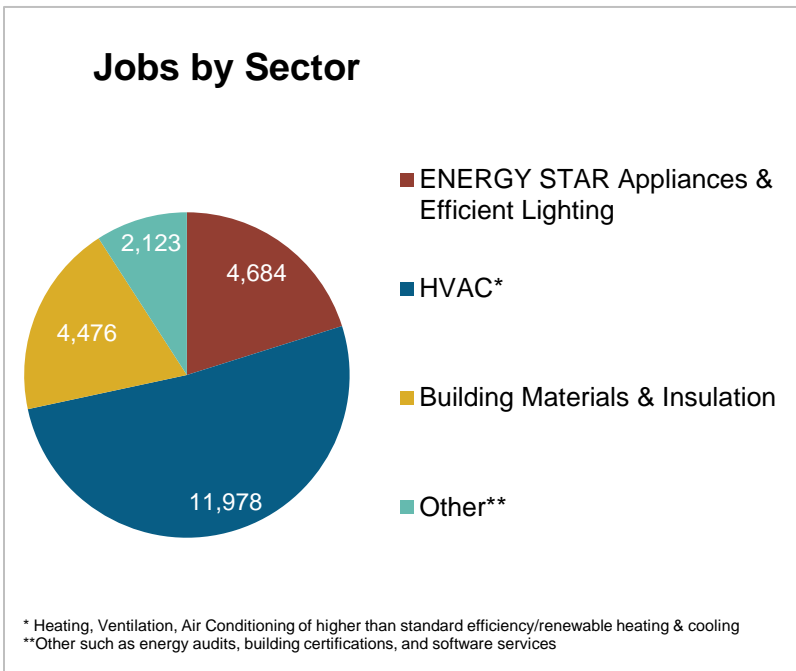
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What do the EE businesses look like in Louisiana?

EE Sector =
2,926
 Businesses in LA
 (Dec. 2019)
 ↑ **140** over 2018



8.8%
 of Louisiana
 residents employed
 in EE are **Veterans**



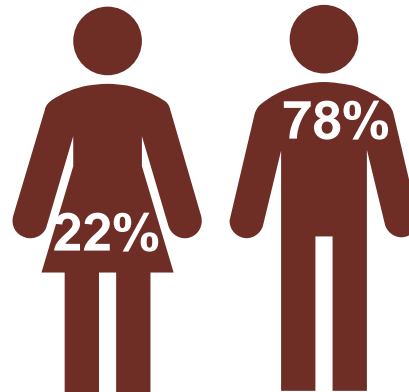
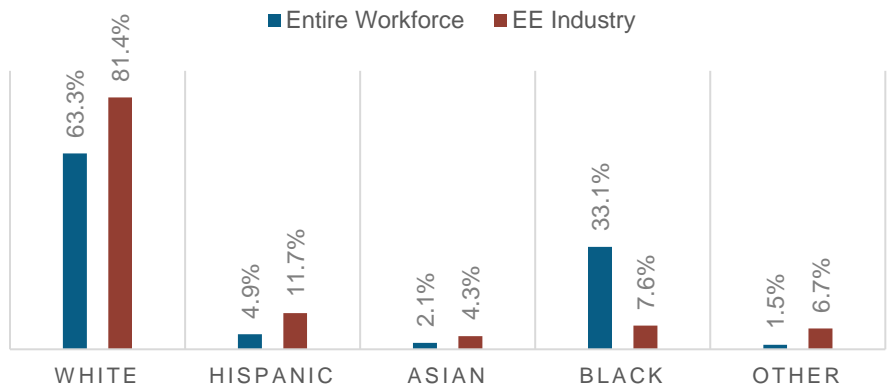
**Energy Efficiency
 Construction Workers
 Make Up 11% of LA
 Construction Workers**

How is EE Doing regarding Diversity in Louisiana?

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 Louisiana communities are represented in the EE sector.

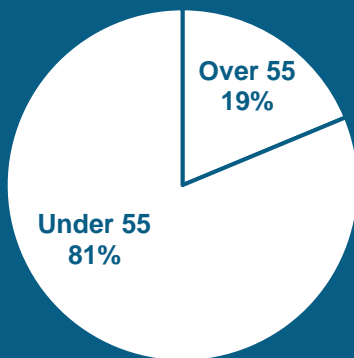
The EE industry needs to do more to prioritize minorities and women for training and support that will enable them to obtain and/or retain employment at EE businesses.

LA EE INDUSTRY BY RACE AND ETHNICITY



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.

LOUISIANA'S EE WORKERS BY AGE



A significant portion of the Louisiana efficiency workforce is in the "55+" category. 19% are likely to retire within the next ten years, providing career opportunities for current and future professionals.

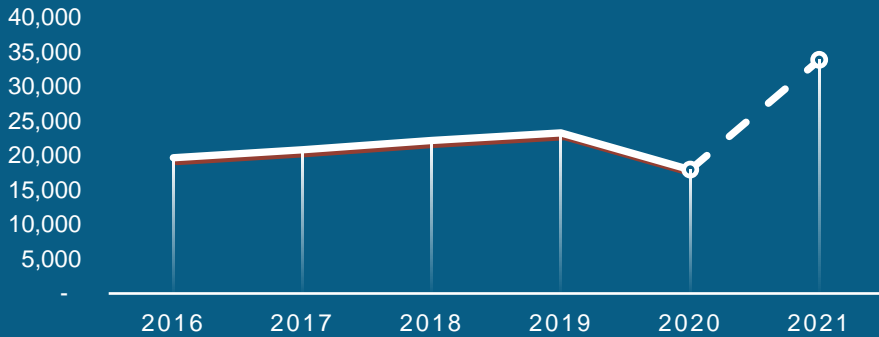
Why invest in EE?

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.

LOUISIANA PROJECTED STIMULUS JOB IMPACTS



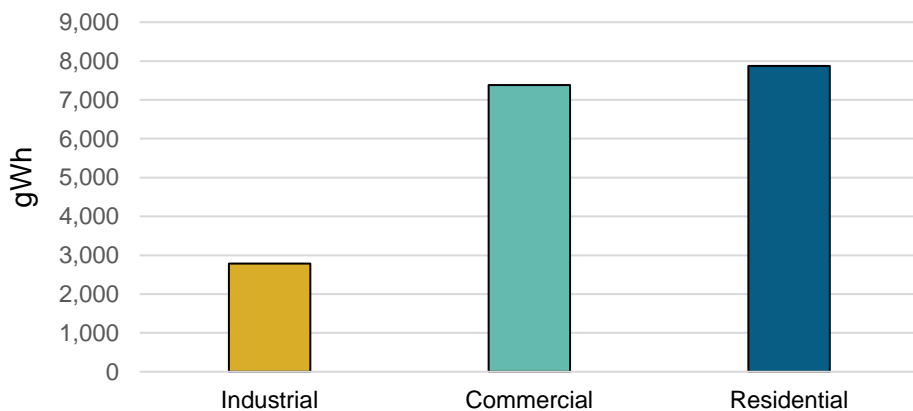
Source: [Build Back Better, Faster](#).

Modeling finds that federal investment would create **15,900 full-time direct, indirect, and induced LA jobs** that will last for at least five years: Over **79,500 job-years** total.

A stimulus of this level and the jobs it would create would also generate more than **\$998 million in GDP** each year for the next five years – resulting in **\$5.0 billion in economic activity**, more than 3.7 times the investment.

How much energy efficiency is untapped in your state?

Louisiana Energy Efficiency Potential by Sector



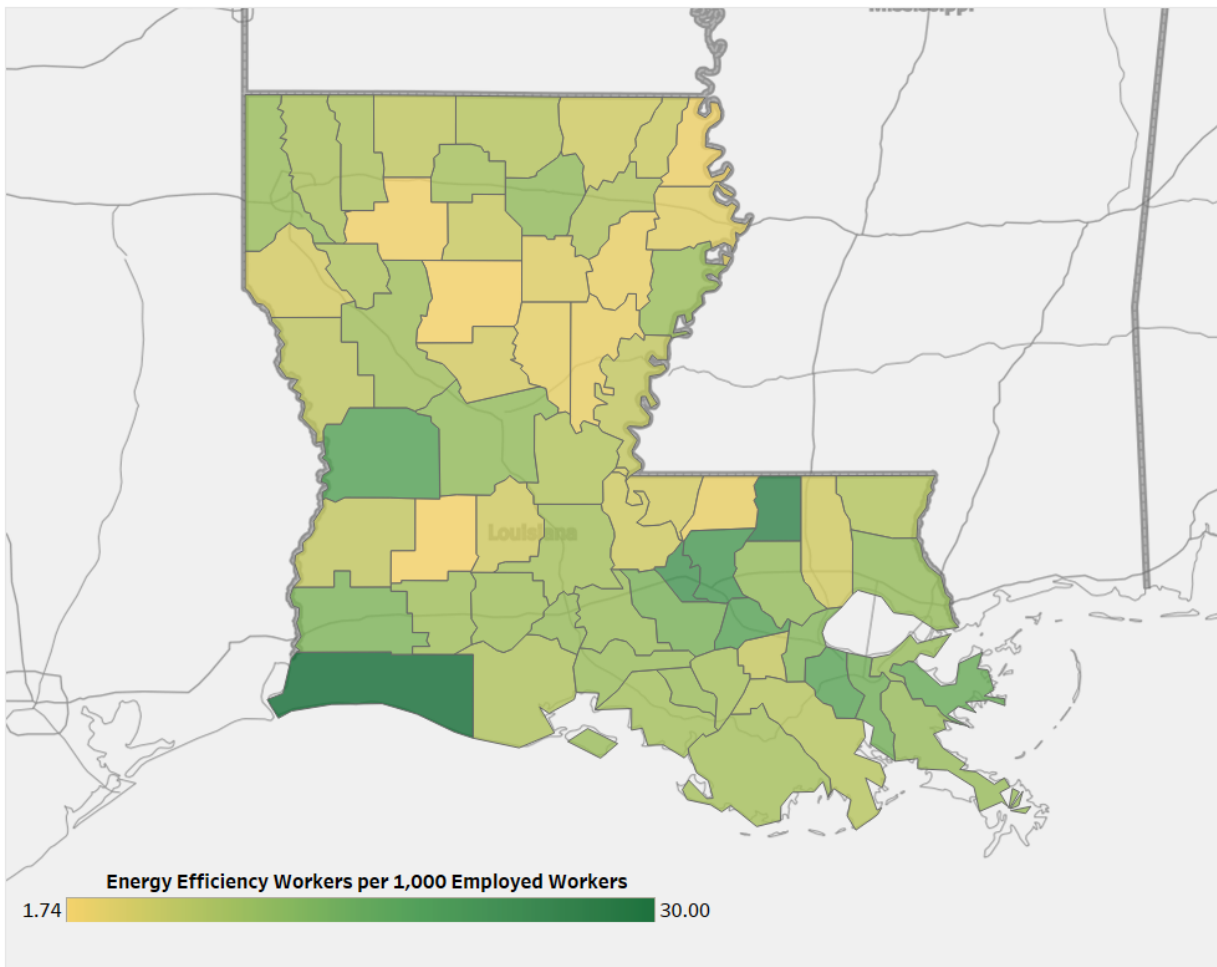
Combined, this would displace the annual electricity consumption of **1,220,404 homes**.

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

Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	6,767	Alexandria	679
2	4,079	Baton Rouge	4,215
3	4,269	Houma-Bayou Cane-Thibodaux	1,020
4	3,189	Lafayette	1,919
5	2,405	Lake Charles	1,048
6	2,552	Monroe	795
		New Orleans-Metairie-Kenner	7,816
		Shreveport-Bossier City	2,066
		Rural	3,704

Energy Efficiency Jobs by County



State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	765	11	1,020	21	430	31	207
2	1,022	12	127	22	679	32	473
3	901	13	274	23	1,354	33	826
4	1,367	14	1,837	24	263	34	50
5	1,285	15	305	25	1,111	35	7
6	1,231	16	<5	26	140	36	644
7	286	17	339	27	286	37	1,120
8	27	18	224	28	192	38	339
9	955	19	285	29	1,022	39	94
10	760	20	775	30	240		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	439	28	69	55	<5	82	327
2	1,153	29	358	56	287	83	135
3	257	30	<5	57	40	84	220
4	<5	31	1,188	58	402	85	210
5	34	32	63	59	156	86	12
6	<5	33	459	60	23	87	<5
7	112	34	288	61	495	88	<5
8	<5	35	15	62	151	89	165
9	<5	36	152	63	13	90	81
10	127	37	110	64	305	91	1,222
11	229	38	264	65	358	92	<5
12	68	39	232	66	955	93	517
13	314	40	<5	67	330	94	129
14	574	41	93	68	<5	95	8
15	21	42	9	69	<5	96	<5
16	<5	43	257	70	<5	97	34
17	69	44	191	71	<5	98	<5
18	275	45	<5	72	335	99	64
19	138	46	80	73	466	100	30
20	111	47	197	74	522	101	<5
21	43	48	277	75	<5	102	105
22	142	49	36	76	347	103	132
23	15	50	236	77	65	104	<5
24	264	51	829	78	778		
25	510	52	48	79	118		
26	<5	53	49	80	1,193		
27	65	54	80	81	100		



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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.