

Florida

Energy Efficiency Jobs in America

Oct 2020
105,450*
Dec 2019
123,560

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.

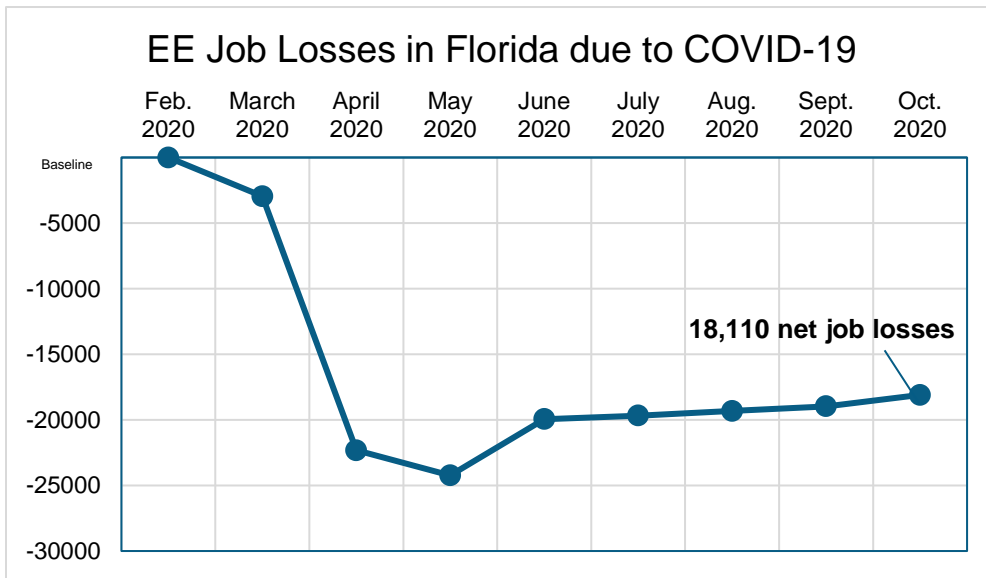
COVID-19 Impacts on the EE Job Sector

The 2020 pandemic shocked our nation's labor market with massive job losses. Florida's energy efficiency industry lost as many as 18,110 jobs since its onset, a 14.7% decrease compared to total jobs in December 2019—wiping out the last 3 years of gains.

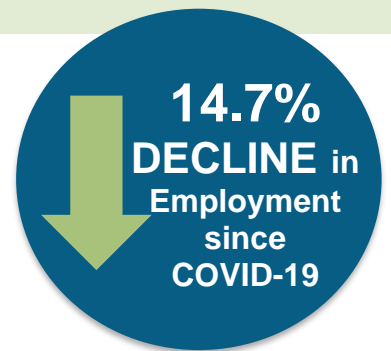
This disruption continues to ripple throughout the supply chain, slowing or halting the manufacture of efficiency equipment and components including insulation; windows; heating, ventilation, and air conditioning (HVAC) equipment; and other building systems technologies.

The energy efficiency workforce has the skills and expertise to meet this moment. Historically the Florida EE workforce grew steadily, gaining 13.7% 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.



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



Presented by:



What are EE Jobs?

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

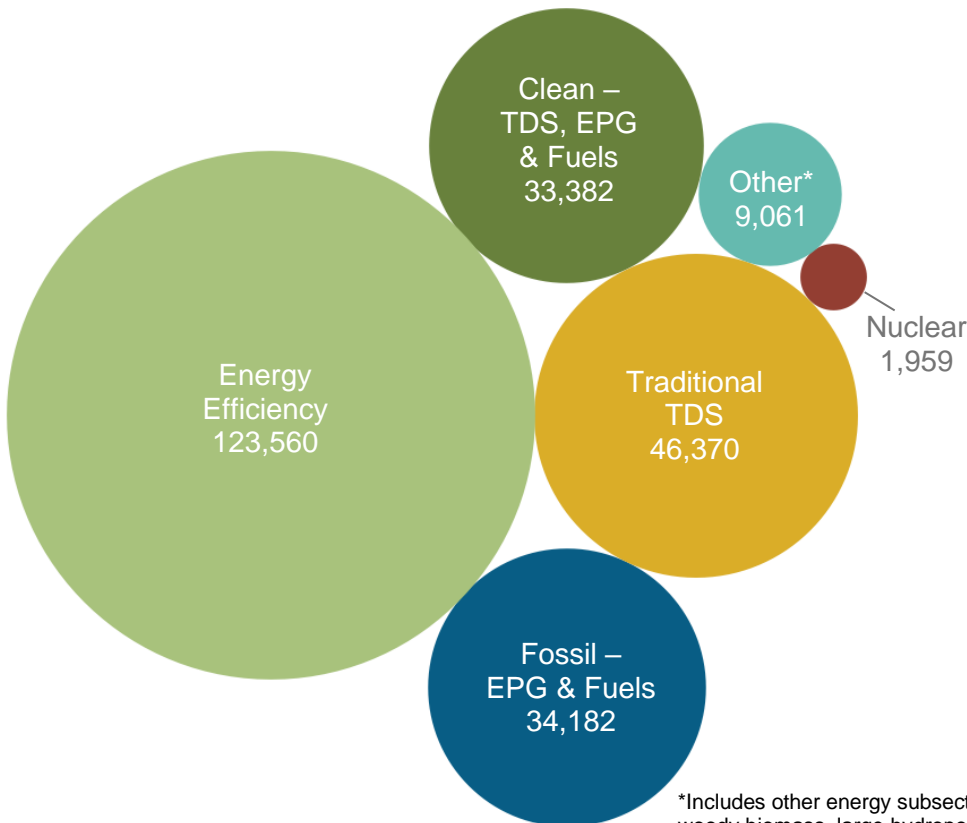
What type of work are EE workers doing?

- 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 Florida?

Energy efficiency is the largest energy sector in Florida.

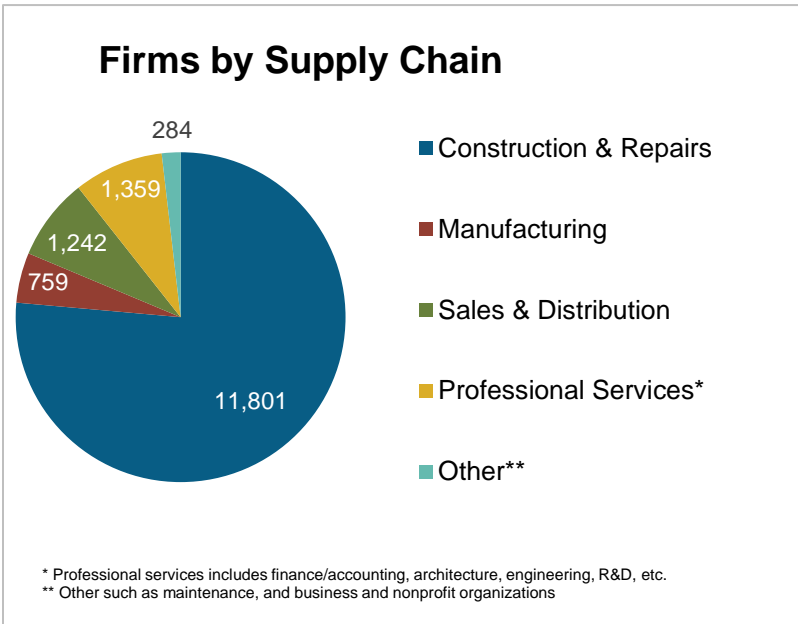
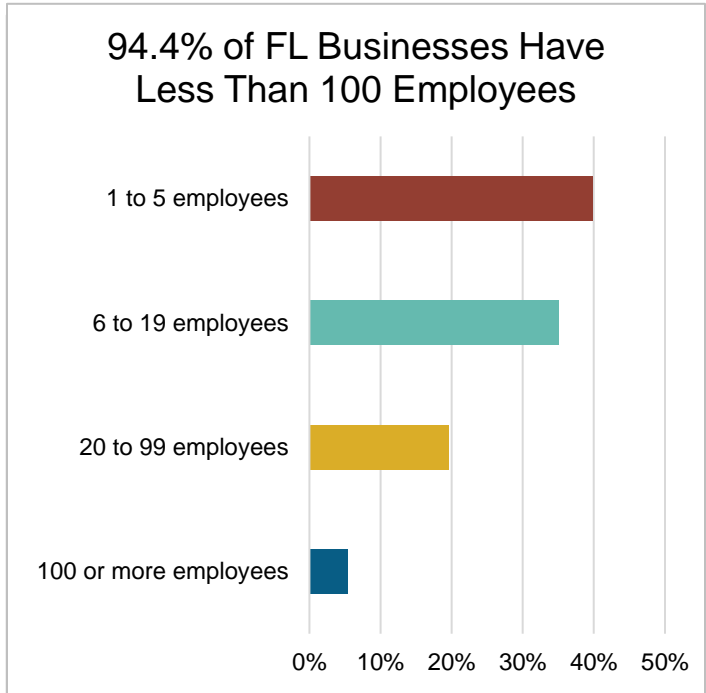



Energy efficiency in Florida has seen consistent, reliable job growth – 13.7 percent since 2016.

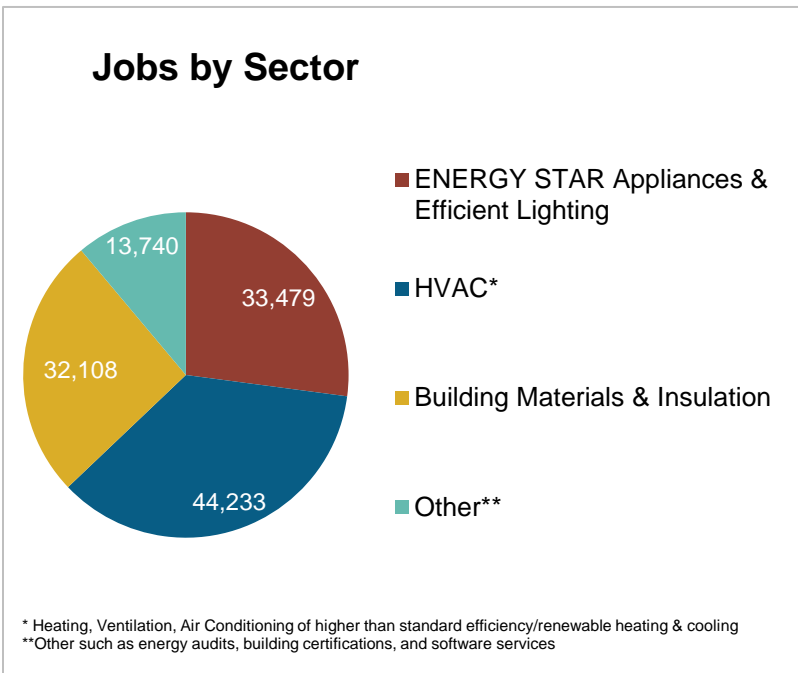
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What do the EE businesses look like in Florida?

EE Sector =
15,445
 Businesses in FL
 (Dec. 2019)
 ↑ **645** over 2018

10.7%
 of Florida
 residents employed
 in EE are **Veterans**

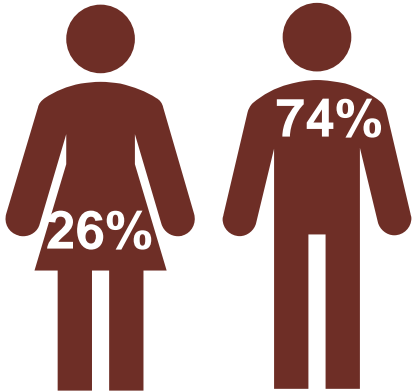
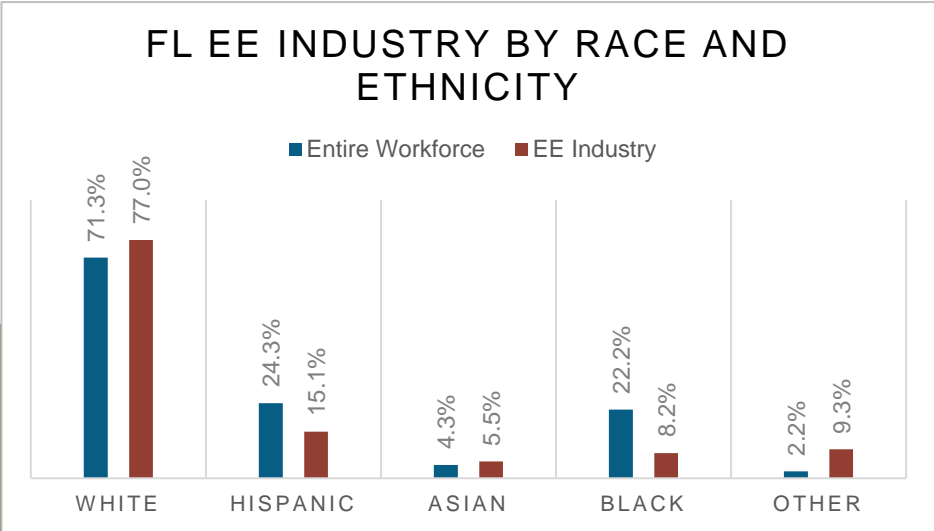



**Energy Efficiency
 Construction Workers
 Make Up 16% of FL
 Construction Workers**

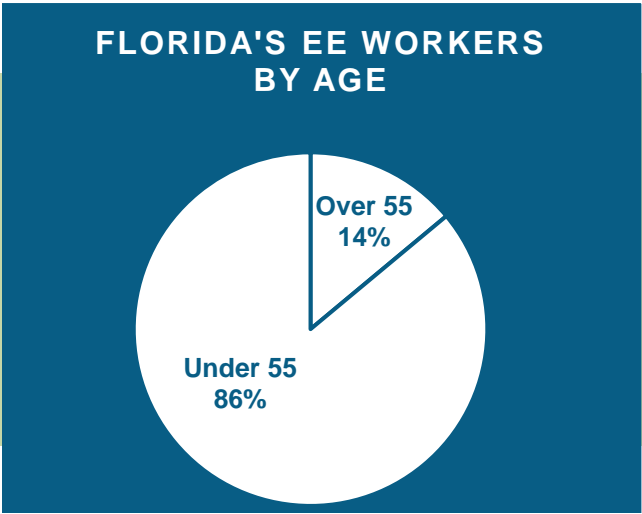
How is EE Doing regarding Diversity in Florida?

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 Florida 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.



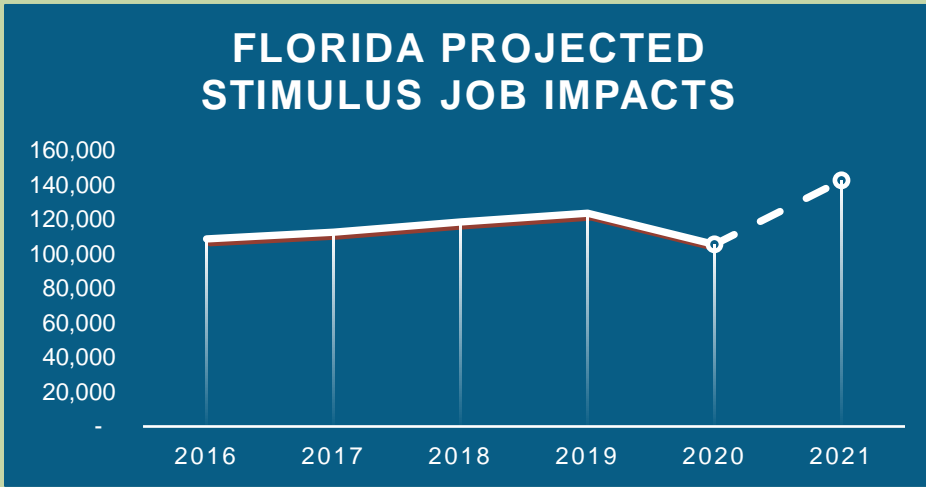
A significant portion of the Florida efficiency workforce is in the "55+" category. 14% are likely to retire within the next ten years, providing career opportunities for current and future professionals.

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.

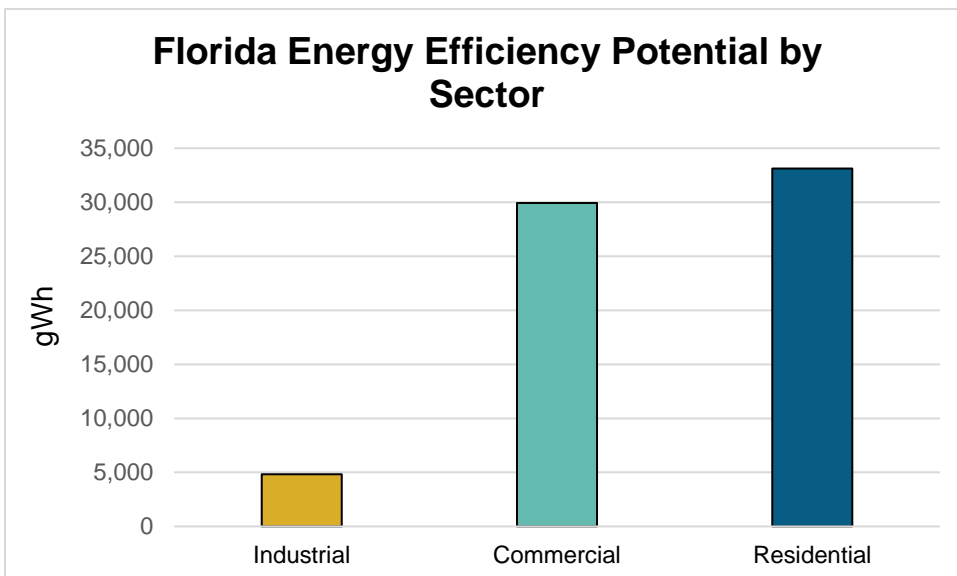


Source: [Build Back Better, Faster](#).

Modeling finds that federal investment would create **36,969 full-time direct, indirect, and induced FL jobs** that will last for at least five years: Over **184,846 job-years** total.

A stimulus of this level and the jobs it would create would also generate more than **\$2.2 billion in GDP** each year for the next five years — resulting in **\$11.1 billion in economic activity**, more than 4.9 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 **5,105,521 homes**.

Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,232	Cape Coral-Fort Myers	5,134
2	4,060	Deltona-Daytona Beach-Ormond Beach	2,510
3	3,951	Fort Walton Beach-Crestview-Destin	1,259
4	6,153	Gainesville	1,646
5	6,133	Jacksonville	8,429
6	3,682	Lakeland	2,087
7	3,679	Miami-Fort Lauderdale-Pompano Beach	44,918
8	4,330	Naples-Marco Island	2,743
9	2,067	Ocala	1,635
10	2,204	Orlando-Kissimmee	12,442
11	2,698	Palm Bay-Melbourne-Titusville	3,234
12	5,272	Palm Coast	360
13	3,724	Panama City-Lynn Haven	1,032
14	5,664	Pensacola-Ferry Pass-Brent	2,483
15	1,706	Port St. Lucie	2,943
16	5,140	Punta Gorda	970
17	2,842	Sarasota-Bradenton-Venice	5,044
18	11,343	Sebastian-Vero Beach	1,018
19	6,618	Tallahassee	2,468
20	9,317	Tampa-St. Petersburg-	16,258
21	2,148	Rural	4,948
22	5,595		
23	5,379		
24	4,210		
25	4,180		
26	3,409		
27	3,824		

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	2,999	11	2,180	21	2,409	31	5,103
2	2,535	12	4,088	22	1,322	32	2,269
3	2,836	13	2,189	23	4,840	33	3,116
4	5,918	14	1,373	24	757	34	4,056
5	2,430	15	1,696	25	8,057	35	8,258
6	3,214	16	2,982	26	2,046	36	1,389
7	2,005	17	4,472	27	3,636	37	2,288
8	2,131	18	1,675	28	3,516	38	2,873
9	444	19	5,337	29	4,387	39	2,339
10	3,618	20	3,360	30	3,078	40	340

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	1,183	32	1,014	63	<5	94	1,874
2	899	33	396	64	1,143	95	622
3	606	34	1,016	65	721	96	709
4	933	35	435	66	1,334	97	723
5	1,006	36	1,013	67	732	98	707
6	877	37	1,097	68	1,050	99	1,625
7	893	38	507	69	412	100	1,190
8	1,307	39	1,598	70	1,987	101	479
9	627	40	321	71	700	102	1,130
10	759	41	173	72	1,065	103	1,907
11	1,644	42	886	73	378	104	29
12	1,720	43	43	74	873	105	909
13	1,267	44	1,004	75	1,125	106	868
14	562	45	545	76	2,257	107	671
15	434	46	1,925	77	908	108	1,181
16	945	47	1,004	78	1,910	109	793
17	1,095	48	186	79	240	110	245
18	550	49	465	80	1,492	111	816
19	430	50	301	81	1,666	112	4,667
20	1,906	51	1,346	82	6,299	113	492
21	420	52	1,356	83	1,245	114	1,005
22	785	53	285	84	281	115	1,403
23	206	54	1,245	85	1,581	116	216
24	1,257	55	667	86	1,754	117	369
25	887	56	339	87	805	118	<5
26	484	57	1,181	88	1,096	119	63
27	336	58	1,643	89	2,867	120	828
28	1,996	59	71	90	150		
29	827	60	3,332	91	97		
30	1,584	61	415	92	3,675		
31	653	62	801	93	2,504		



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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.