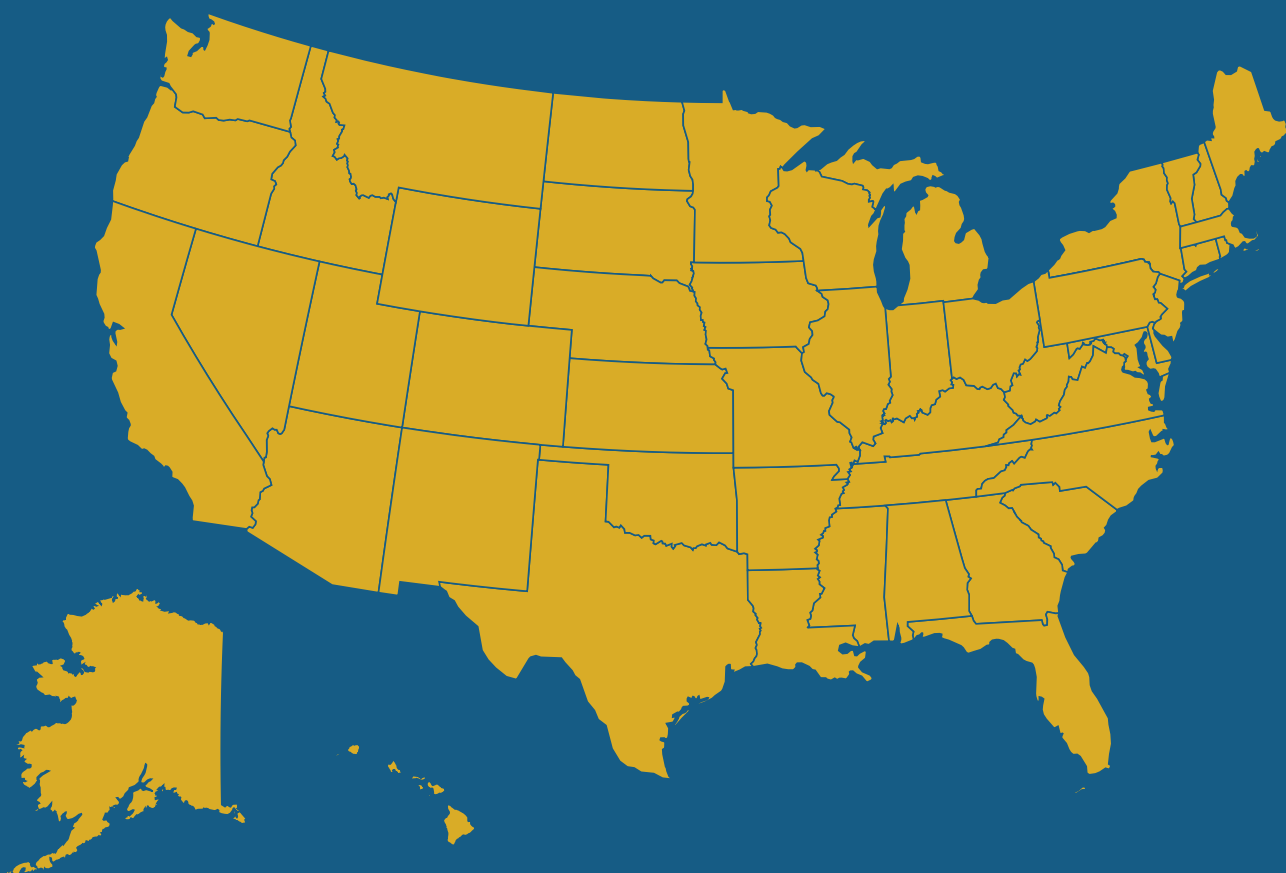


# ENERGY EFFICIENCY JOBS IN AMERICA

---

**2.25 MILLION AMERICANS WORK IN ENERGY EFFICIENCY**



SEPTEMBER 2018



#EEJOBSINAMERICA

**#Faces  
Of EE**

# Energy Efficiency Jobs in America

September 2018



## Contents

Introduction and Overview

Alabama

Alaska

Arizona

Arkansas

California

Colorado

Connecticut

Delaware

District of Columbia

Florida

Georgia

Hawaii

Idaho

Illinois

Indiana

Iowa

Kansas

Kentucky

Louisiana

Maine

Maryland

Massachusetts

Michigan

Minnesota

Mississippi

Missouri

Montana

Nebraska

Nevada

New Hampshire

New Jersey

New Mexico

New York

North Carolina

North Dakota

Ohio

Oklahoma

Oregon

Pennsylvania

Rhode Island

South Carolina

South Dakota

Tennessee

Texas

Utah

Vermont

Virginia

Washington

West Virginia

Wisconsin

Wyoming

# ENERGY EFFICIENCY JOBS IN AMERICA<sup>1</sup>

## 2.25 MILLION AMERICANS WORK IN ENERGY EFFICIENCY

### ENERGY EFFICIENCY—AMERICA'S JOB POWERHOUSE

Across every time zone, state, county, and even zip code, energy efficiency solutions are creating new economic opportunities. Whether it's new efficient technologies spurring brand-new companies or established businesses expanding, America's job growth is being powered by energy efficiency.

Energy efficiency added the most new jobs in 2017 of the entire energy sector. Its workers now outnumber elementary and middle school teachers and are nearly double those in U.S. law enforcement. In fact, there are now as many energy efficiency workers as there are waitstaff in U.S. bars and restaurants.

### A BIGGER PICTURE

This report focuses solely on the energy sector of the economy. Jobs in retail trade, vehicle efficiency-related work, and the 4.2 million jobs related to efficient manufacturing processes are excluded from these numbers.

#### IN PERSPECTIVE

**No. 1** Energy efficiency is the fastest growing jobs sector in energy, accounting for half of the entire energy industry's job growth (133,000) in 2017

**11%** of energy efficiency jobs held by veterans, greater than the national average of veterans in the workforce (6%)

**315,578** manufacturing jobs in energy efficiency, an increase of nearly 10% in 2017 alone

**2X** Energy efficiency employs twice as many workers in the USA as all fossil fuel sectors combined

#### PRESENTED BY



WWW.E2.ORG  
@E2ORG  
#EEJOBSINAMERICA



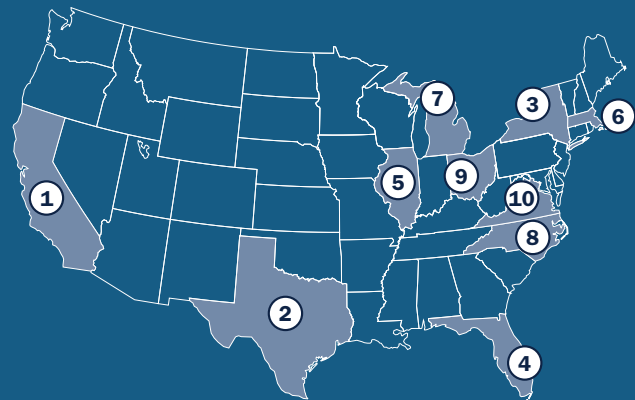
WWW.E4THEFUTURE.ORG  
@E4THEFUTURE  
#FACESOFFEE

SEPTEMBER 2018  
E2FS: 18-08-B

#### TOP 10 STATES FOR ENERGY EFFICIENCY JOBS

RANK	STATE	TOTAL	ENERGY STAR & EFFICIENT LIGHTING	HVAC, RENEWABLE HEATING & COOLING	ADVANCED BUILDING MATERIALS/ INSULATION	OTHER*
1	California	310,433	69,011	183,278	18,677	39,468
2	Texas	154,565	57,203	63,074	20,152	14,135
3	New York	117,339	35,184	38,030	7,305	12,666
4	Florida	112,620	30,757	66,614	31,167	8,236
5	Illinois	86,916	12,416	7,619	7,440	13,782
6	Massachusetts	84,556	13,637	58,558	10,811	8,501
7	Michigan	84,052	14,009	41,252	48,643	18,856
8	North Carolina	84,020	42,223	34,206	5,885	10,243
9	Ohio	79,653	15,487	31,034	19,718	4,878
10	Virginia	76,621	19,939	30,092	10,568	16,022

ENERGY EFFICIENCY NOW EMPLOYS MORE WORKERS THAN THE FOSSIL FUEL INDUSTRY IN 40 STATES AND THE DISTRICT OF COLUMBIA



\*Other such as energy audits, building certifications, and software services

## POLICY LEADERSHIP

To continue creating hundreds of thousands of jobs for Americans across all states and counties,

### CONGRESS MUST:

1. Properly fund smart efficiency policies (which historically enjoy robust bipartisan support)
2. Invest in infrastructure, e.g., interval meters to enable data analytics and boost grid resilience
3. Renew the Commercial and Residential building tax credits
4. Fund strong State Energy Program and Weatherization Assistance Programs
5. Maintain and protect high quality ENERGY STAR brand

State leadership on energy efficiency plays a vital role in driving America's energy economy.

### STATE POLICYMAKERS MUST SUPPORT:

1. Strong energy efficiency standards with consistent funding
2. Broader use of performance contracting in public buildings
3. Innovative commercial and residential PACE programs
4. Modernization of utility regulation with revenue protection, decoupling, performance rates and ability to earn a profit on procurement of energy efficiency as a service.

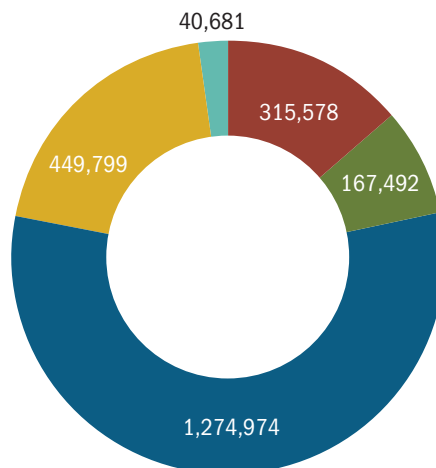
## ENERGY EFFICIENCY JOBS—WHERE ARE THEY?

Energy efficiency workers do much more than reduce energy use. They improve operations of existing buildings, and they design and build a better future. Consumers, municipalities, and business owners incorporate lower energy consumption options into everyday procurement decisions; in homes, offices, schools, and municipal infrastructure. Squeezing out waste drives EE job creation.

# #FacesOfEE

To meet "real people" working in energy efficiency jobs around the country, follow #FacesOfEE on social media channels, and tweets by @FacesOfEE

ACROSS INDUSTRIES  
BY SUPPLY CHAIN

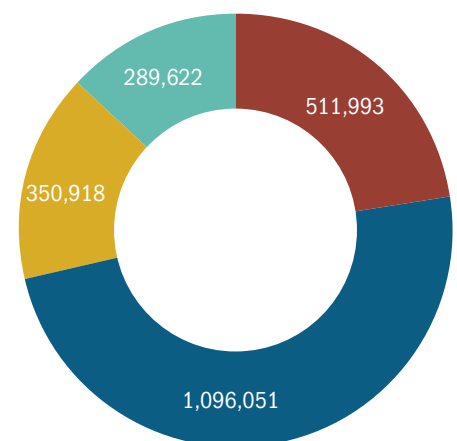


- Manufacturing - 14%
- Sales & Distribution - 7%
- Construction & Repairs - 57%
- Professional Services\* - 20%
- Other\*\* - 2%

\*Professional Services includes finance/accounting, architecture, engineering, R&D, etc

\*\*Other such as maintenance, and business and nonprofit organizations

ACROSS TECHNOLOGIES  
BY SECTOR



- ENERGY STAR Appliances & Efficient Lighting - 23%
- HVAC\* - 49%
- Building Materials & Insulation - 16%
- Other\*\* - 13%

\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services



## MORE ENERGY EFFICIENCY = MORE CONSTRUCTION JOBS



More than 1 out of every 6 US construction workers spend 50% or more of their time on Energy Efficiency (18%)



Nearly 60% of energy efficiency's 2.25 million employees work in construction (1.27 million)

# 80%

of energy efficiency construction businesses say employees spend a majority of time on energy efficiency—an increase from last year (74%)

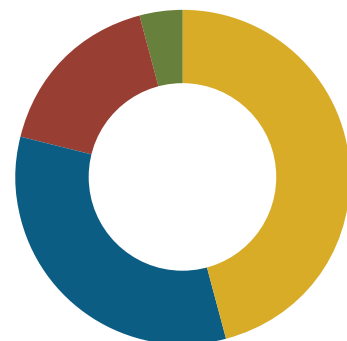
### EE JOBS ACROSS THE COUNTRY

- // These jobs are local. **99.7%** of U.S. counties have energy efficiency jobs
- // Energy efficiency now employs workers in more than **3,000** of America's **3,007** counties
- // More than **300,000** Americans living in rural areas work in energy efficiency
- // America's Top 25 metro areas employ **900,000** workers in energy efficiency
- // **35%** of U.S. energy workers are involved in energy efficiency

### GROWTH ACROSS AMERICA

There are  
**353,269**  
energy efficiency businesses  
in America

#### SMALL EE BUSINESS BY EMPLOYEE COUNT

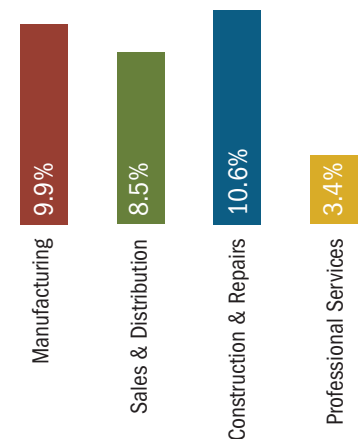


■ 100 + (4%) ■ 6-19 (33%)  
■ 20-99 (17%) ■ 1-5 (46%)

### GROWTH FOR THE FUTURE

Energy efficiency businesses are projecting  
**9% growth in jobs**  
for 2018

...and the job growth is expected across all major industries



## WHAT DO ENERGY EFFICIENCY WORKERS DO?

Among other vital tasks and endeavors that are essential across the U.S., energy efficiency workers:

- // Manufacture and install high efficiency systems, windows, and insulation in existing & new homes, commercial & industrial buildings
- // Construct high performance buildings meeting LEED Certification
- // Upgrade and repair heating, air conditioning and ventilation (HVAC) and water heating equipment
- // Install energy-saving LED lighting
- // Manufacture and install ENERGY STAR-certified appliances, lighting, ceiling fans, commercial cooking equipment, refrigerators, boilers
- // Save money for businesses, homeowners, schools, states, counties, municipalities, U.S. armed forces, and more

## 511,933 JOBS

### ENERGY STAR Appliances & Efficient Lighting

- // **+7%** growth rate
- // Includes household and commercial appliances, e.g., refrigerators, dishwashers, ceiling fans, and various advanced lighting types; ENERGY STAR market penetration continues to increase
- // More jobs than real estate brokers and sales agents combined

## 350,918 JOBS

### Building Materials & Insulation

- // **270,000+** jobs in construction and manufacturing
- // Advanced materials create higher-performance buildings; recycled materials mitigate waste stream issues, among other benefits
- // Outnumbers all U.S. pharmacists

## 1,096,051 JOBS

### HVAC (Heating Ventilation & Air Conditioning)

- // **+5.6%** growth rate
- // Heating, Ventilation, Air Conditioning of higher than standard efficiency. Includes renewable heating and cooling technologies
- // More than all of America's legal workers combined, including lawyers, court reporters, judges, and paralegals

## 289,622 JOBS

### Vital Energy Efficiency Services

- // **208,000** jobs in construction and manufacturing
- // Includes energy audits, building certifications, and software services
- // More than all athletes, coaches, umpires and referees, scouts, and other sports officials combined

#### ABOUT THE REPORT

The job numbers come from the national [2018 U.S. Energy and Employment Report](#) (USEER), which focuses on all energy jobs. The USEER analyzes data from the U.S. Bureau of Labor Statistics (BLS) Quarterly Census of Employment and Wages (QCEW) to track employment across many energy production, transmission, and distribution subsectors. In addition, the 2018 USEER relies on a unique supplemental survey of 23,000 business representatives across the U.S. Created and conducted by BW Research and approved by the Office of Management and Budget and U.S. Department of Energy (DOE), this survey is used to identify energy-related employment within key subsectors of the broader industries as classified by the BLS and to assign them into their component energy and energy efficiency sectors.

For further questions regarding this report, visit the Energy Efficiency Jobs in America FAQ at [www.e2.org/eejobsamerica/faq](http://www.e2.org/eejobsamerica/faq) or contact E4TheFuture or E2 directly.



#### ABOUT E4TheFuture

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](http://www.E4TheFuture.org)



#### ABOUT E2

E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.org)



#### ABOUT BW Research

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, including the United States Energy and Employment Report (USEER), National Solar Jobs Census, wind industry analyses for the National Renewable Energy Laboratory and the Natural Resources Defense Council, and state-level clean energy reports for Massachusetts, New York, Illinois, Vermont, Iowa, Rhode Island, Florida, and Missouri, among others.

#### ENDNOTES

1 Unless otherwise stated, all data are from the 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see Pages 15-17 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.

# Alabama

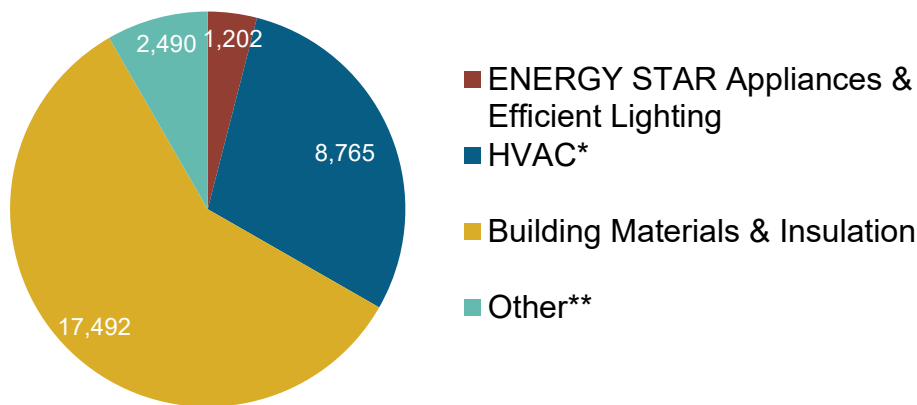
## Energy Efficiency Jobs in America

29,949  
Total Jobs

### What are EE Jobs?

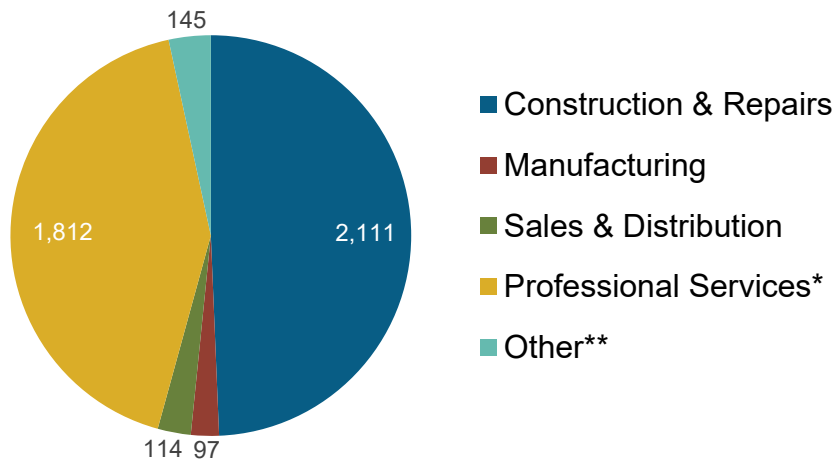
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In Alabama,  
EE Jobs  
Comprise:

**21%**  
of All  
Construction Jobs

**20%**  
of All  
Energy Sector Jobs

**8%**  
of Alabama residents  
employed in EE are  
Veterans

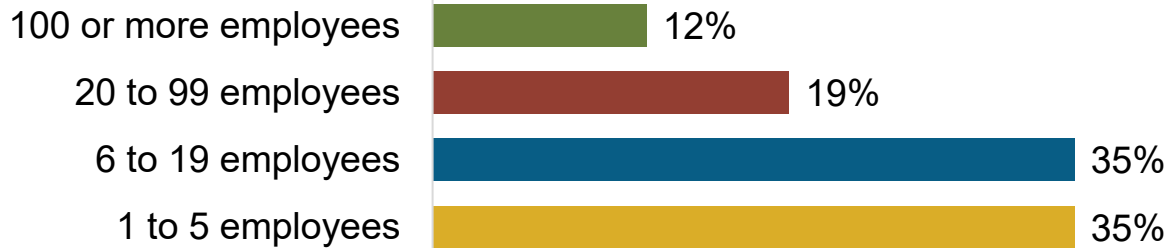
Presented by:



Good for the Economy.  
Good for the Environment.

# 4,278 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,247	Anniston-Oxford	541
2	4,547	Auburn-Opelika	680
3	3,421	Birmingham-Hoover	9,032
4	3,462	Columbus	213
5	4,444	Decatur	855
6	6,305	Dothan	996
		Florence-Muscle Shoals	941
		Gadsden	511
		Huntsville	3,098
		Mobile	3,261
		Montgomery	2,625
		Tuscaloosa	1,182
		Rural	6,013



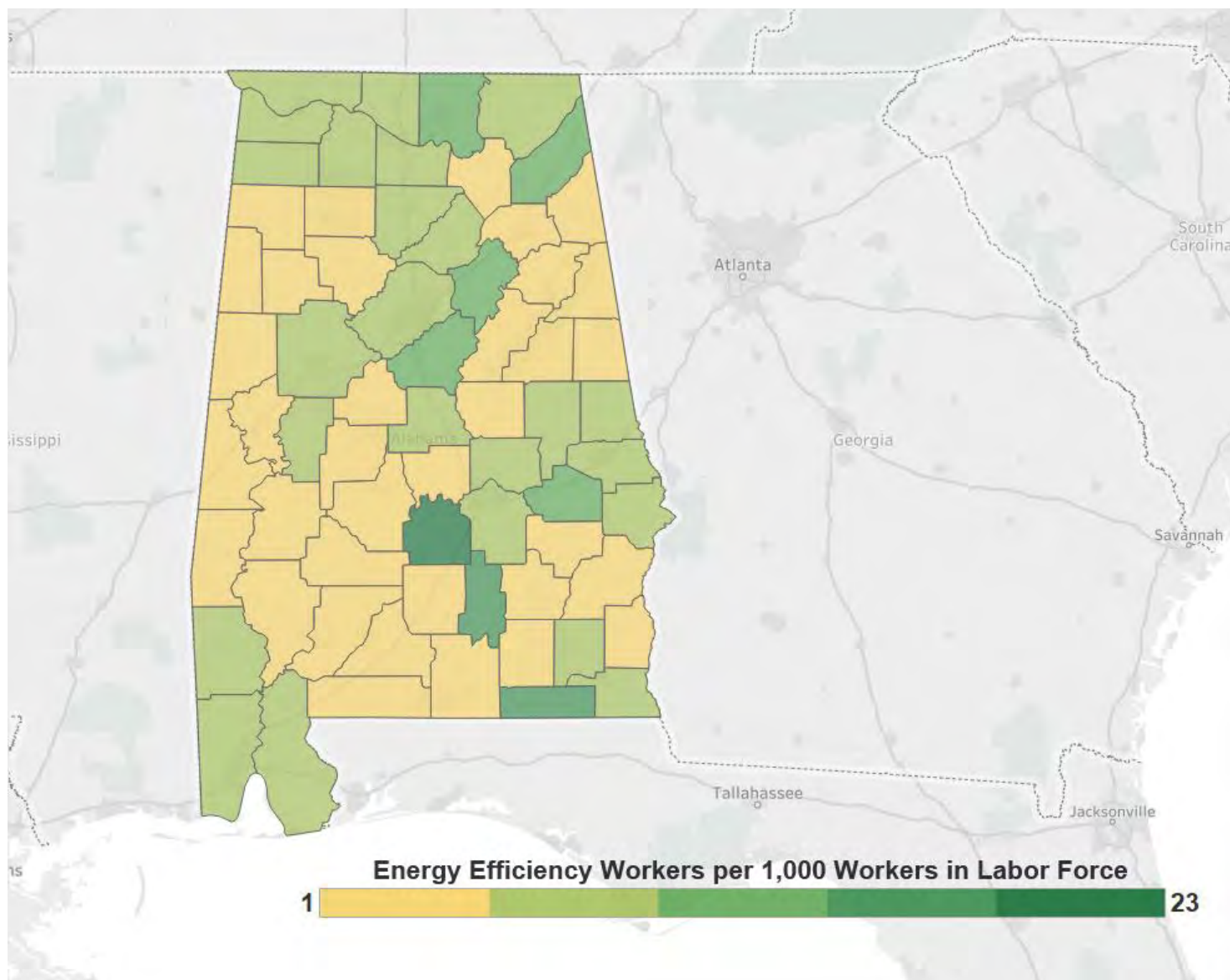
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,593		11	1,566		21	904		31	100
2	733		12	540		22	1,334		32	786
3	1,111		13	1,055		23	452		33	33
4	884		14	954		24	171		34	704
5	713		15	2,842		25	2,236		35	345
6	387		16	152		26	65			
7	1,094		17	533		27	273			
8	523		18	2,542		28	1,060			
9	455		19	106		29	542			
10	655		20	3		30	342			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	559		28	510		52	697		79	355
2	292		29	98		53	-		80	32
3	432		30	245		54	1,629		81	68
4	803		31	421		55	113		82	94
5	29		32	690		56	184		83	10
6	1,159		33	81		57	13		84	205
7	74		34	68		58	-		85	758
8	-		32	690		59	-		86	142
9	377		33	81		60	3		87	161
10	299		34	68		61	743		88	-
11	558		35	19		62	287		89	284
12	32		36	58		63	-		90	132
13	303		37	232		64	1,031		91	19
14	65		38	494		65	319		92	148
15	925		39	74		66	225		93	10
16	436		40	-		67	243		94	229
17	71		41	804		68	71		95	232
18	61		42	342		69	342		96	316
19	229		43	1,320		70	-		97	1,265
20	1,023		44	652		71	68		98	110
21	35		45	474		72	29		99	419
22	174		46	768		73	-		100	330
23	119		47	-		74	1,058		101	342
24	242		48	-		75	13		102	10
25	-		49	81		76	648		103	387
26	90		50	68		77	68		104	45
27	19		51	110		78	10		105	35

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# ALASKA

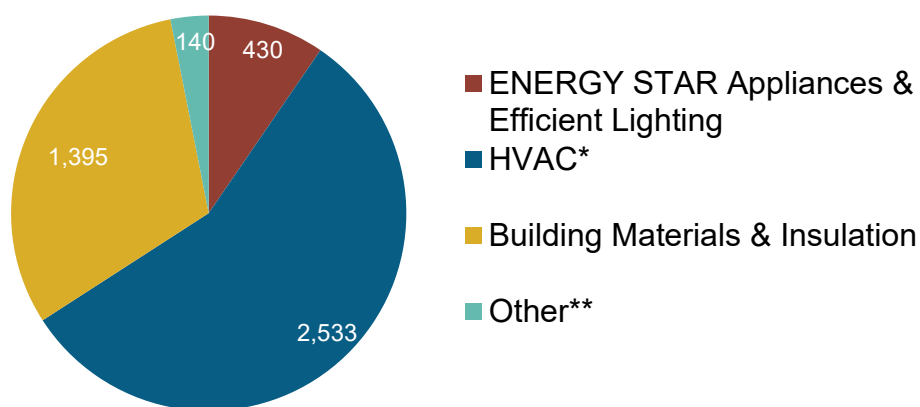
## Energy Efficiency Jobs in America

4,497  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

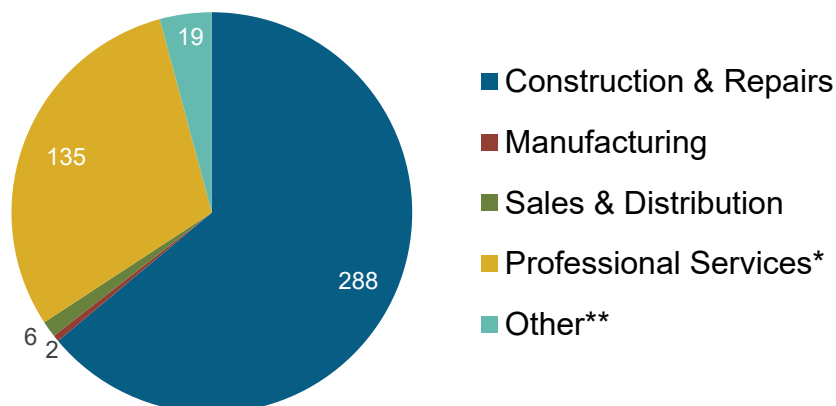
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Alaska,  
EE Jobs  
Comprise:

**19%**  
of All  
Construction Jobs

**16%**  
of All  
Energy Sector Jobs

**17%**  
of Alaska residents  
employed in EE are  
Veterans

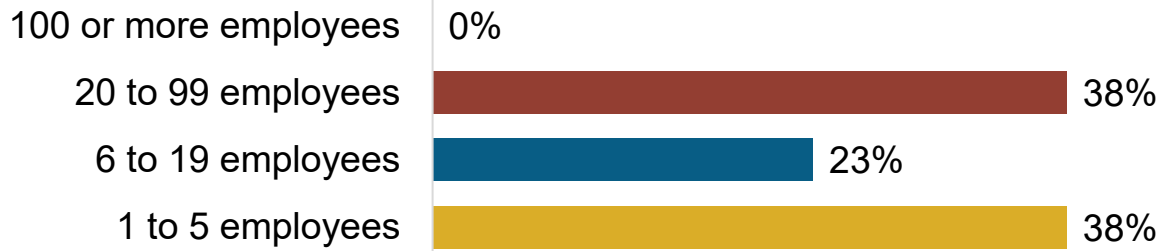
Presented by:



Good for the Economy.  
Good for the Environment.

# 450 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,497	Anchorage	2,635
		Fairbanks	562
		Rural	1,299

**EE provides jobs with purpose that cannot be exported.**

Griffin Hagle,  
North Slope Borough,  
Utqiagvik, AK

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS



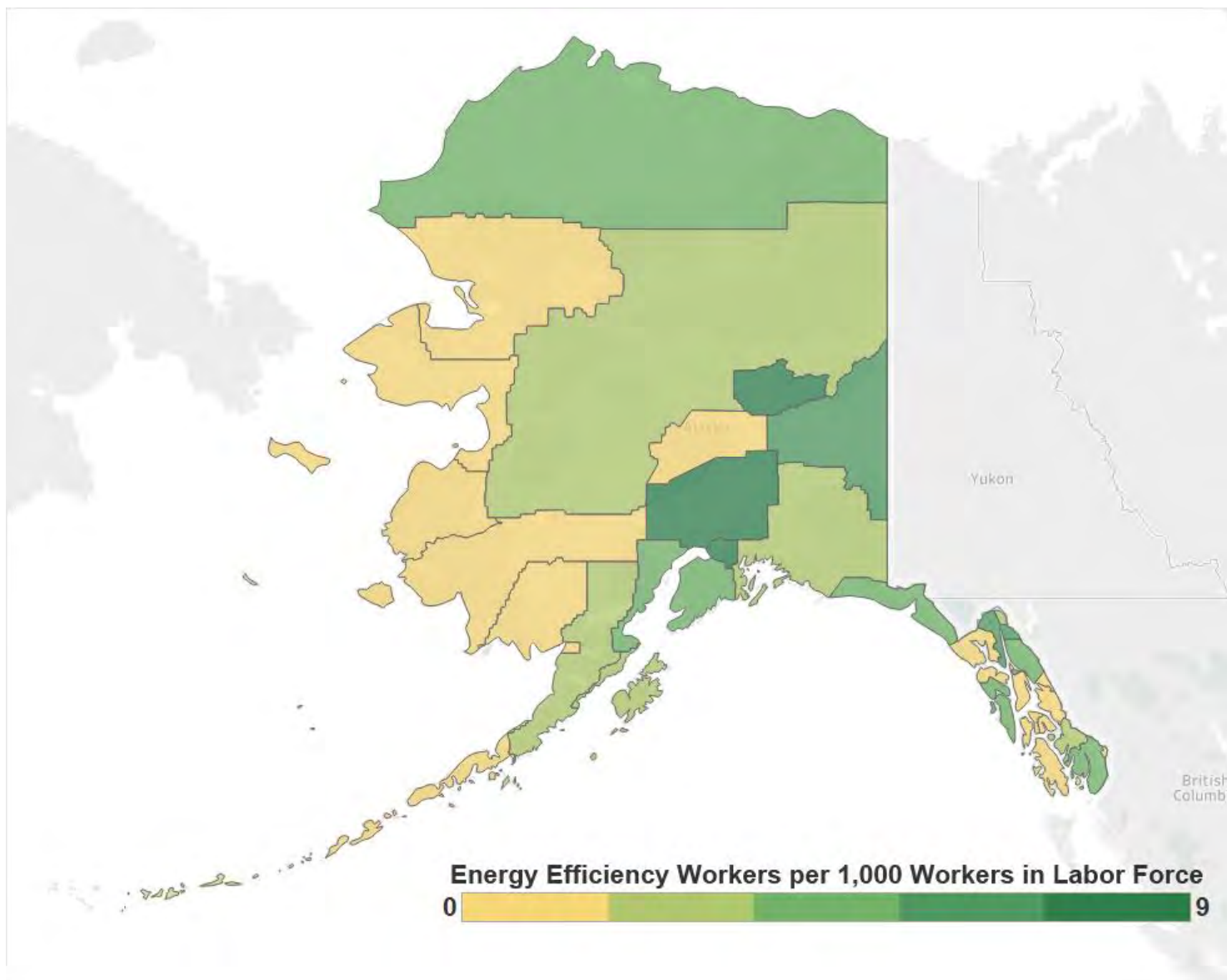
## State Upper House

District	Jobs		District	Jobs
00H	862		00T	115
00I	519		00A	539
00D	471		00B	7
00L	254		00C	89
00G	201		00O	272
00K	219		00P	186
00M	81		00Q	297
00E	18		00R	234
00N	10		00S	90
00F	32			

## State Lower House

District	Jobs		District	Jobs
1	421		28	10
2	118		29	272
3	-		30	-
4	7		31	90
5	3		32	95
6	86		33	297
7	437		34	-
8	33		32	117
9	13		33	117
10	4		34	55
11	-		35	35
12	32		36	43
13	201		37	72
14	-		38	10
15	603		39	272
16	258		40	-
17	-			
18	519			
19	-			
20	3			
21	83			
22	136			
23	254			
24	-			
25	-			
26	81			
27	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# ARIZONA

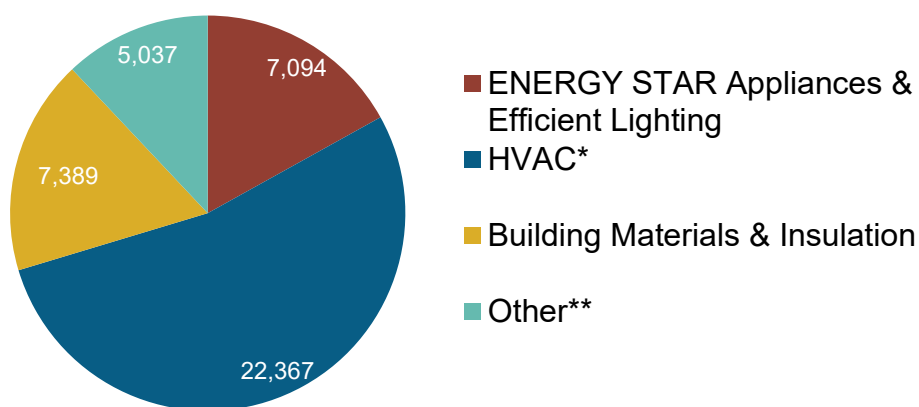
## Energy Efficiency Jobs in America

41,886  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

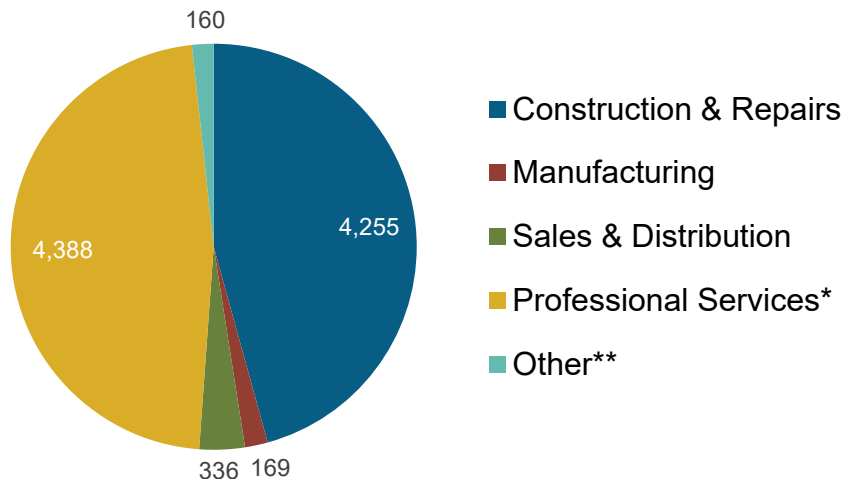
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Arizona,  
EE Jobs  
Comprise:

**21%**  
of All  
Construction Jobs

**36%**  
of All  
Energy Sector Jobs

**14%**  
of Arizona residents  
employed in EE are  
**Veterans**

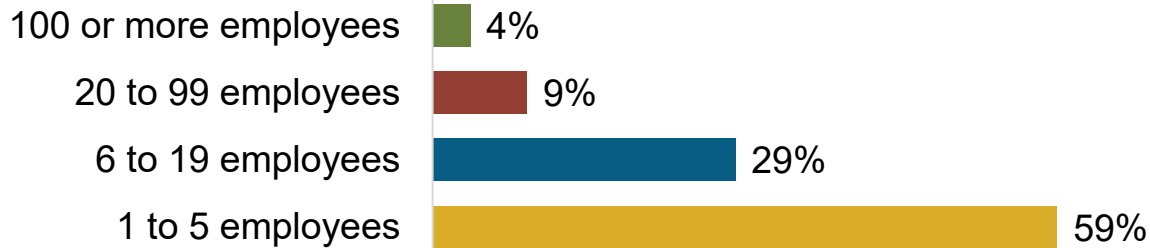
Presented by:



Good for the Economy.  
Good for the Environment.

# 9,308 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

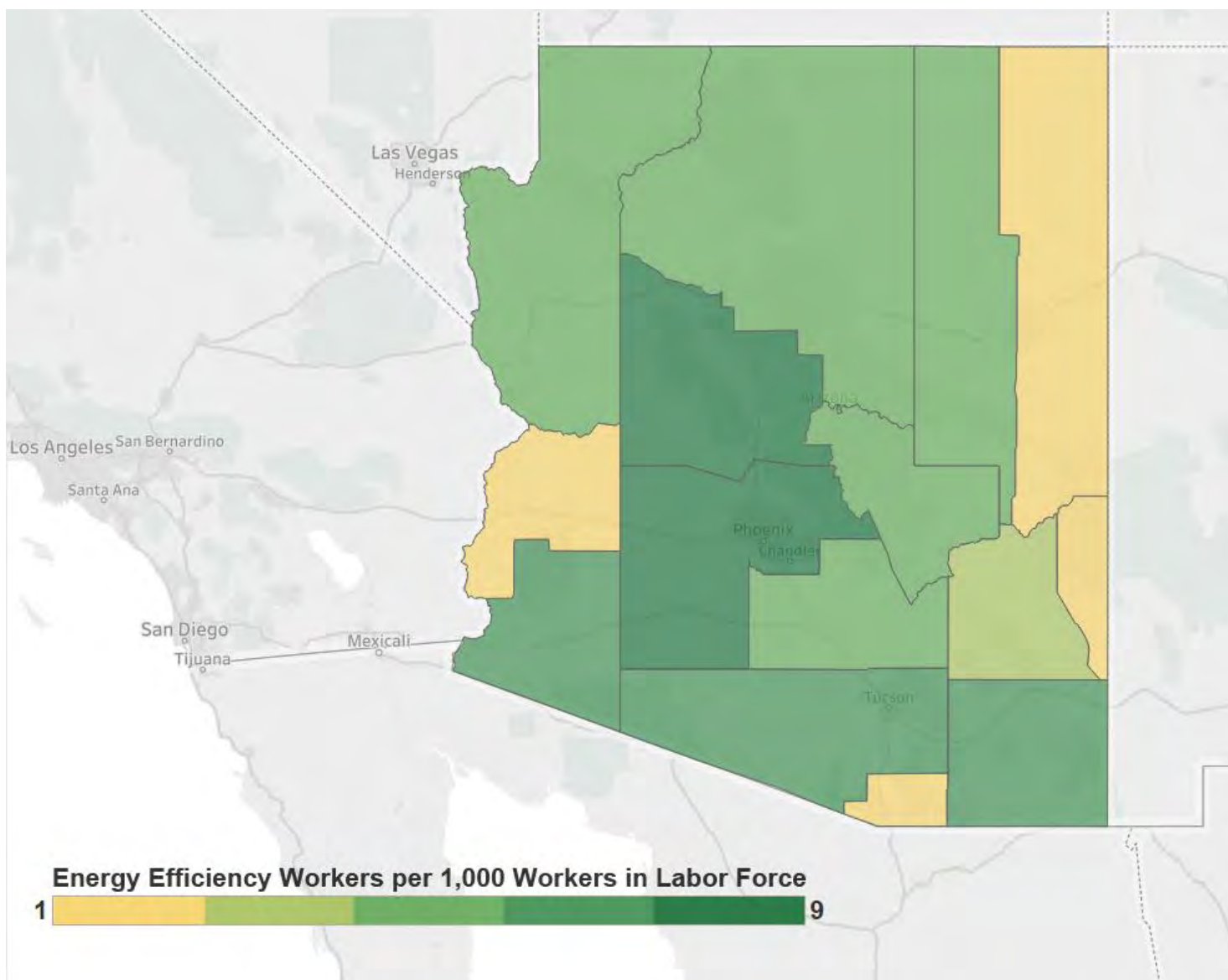
Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,054	Phoenix-Mesa-Scottsdale	28,920
2	4,822	Tucson	6,303
3	2,771	Yuma	711
4	4,635	Flagstaff	1,047
5	4,101	Lake Havasu City-Kingman	1,304
6	12,041	Prescott	1,595
7	6,674	Rural	2,006
8	1,202		
9	586		



State Upper House							
District	Jobs		District	Jobs		District	Jobs
1	2,865		11	181		21	476
2	2,423		12	2,489		22	123
3	1,440		13	625		23	3,761
4	1,133		14	839		24	5,776
5	1,394		15	2,986		25	628
6	1,501		16	719		26	1,114
7	356		17	765		27	-
8	1,214		18	2,434		28	702
9	2,121		19	962		29	427
10	333		20	1,756		30	343

State Lower House				
District	Jobs		District	Jobs
1	2,865		28	702
2	2,423		29	427
3	1,440		30	343
4	1,133			
5	1,394			
6	1,501			
7	356			
8	1,214			
9	2,121			
10	333			
11	181			
12	2,489			
13	625			
14	839			
15	2,986			
16	719			
17	765			
18	2,434			
19	962			
20	1,756			
21	476			
22	123			
23	3,761			
24	5,776			
25	628			
26	1,114			
27	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# ARKANSAS

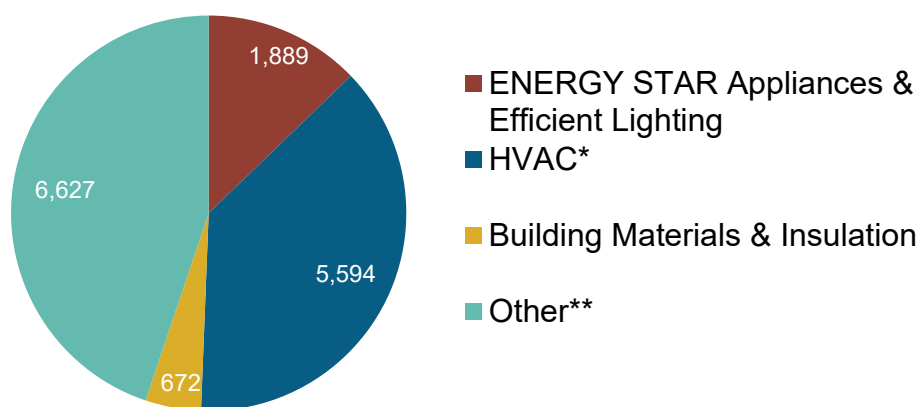
## Energy Efficiency Jobs in America

14,782  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

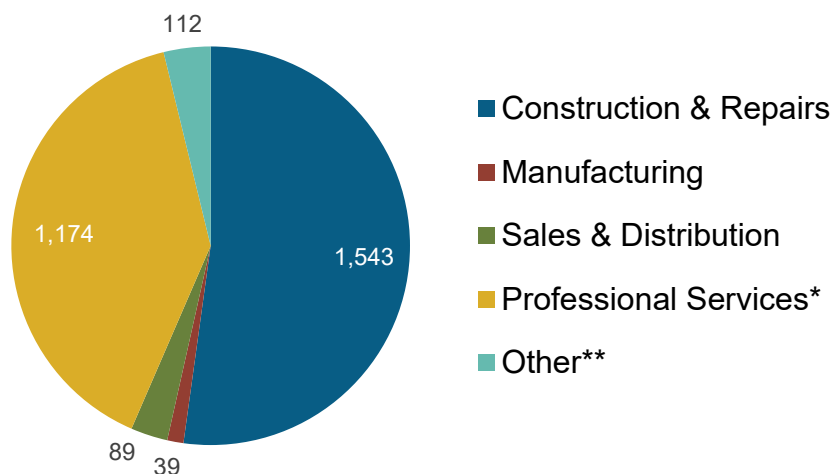
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Arkansas,  
EE Jobs  
Comprise:

**20%**  
of All  
Construction Jobs

**24%**  
of All  
Energy Sector Jobs

**11%**  
of Arkansas residents  
employed in EE are  
**Veterans**

Presented by:

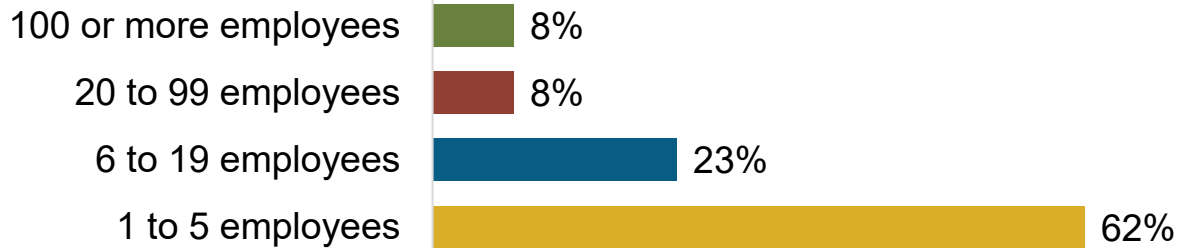


Good for the Economy.  
Good for the Environment.



# 2,956 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	3,680	Fayetteville-Springdale-Rogers	2,615
2	4,326	Fort Smith	1,017
3	4,332	Hot Springs	601
4	2,445	Jonesboro	758
		Little Rock-North Little Rock-Conway	4,333
		Memphis	388
		Pine Bluff	352
		Texarkana	221
		Rural	4,497





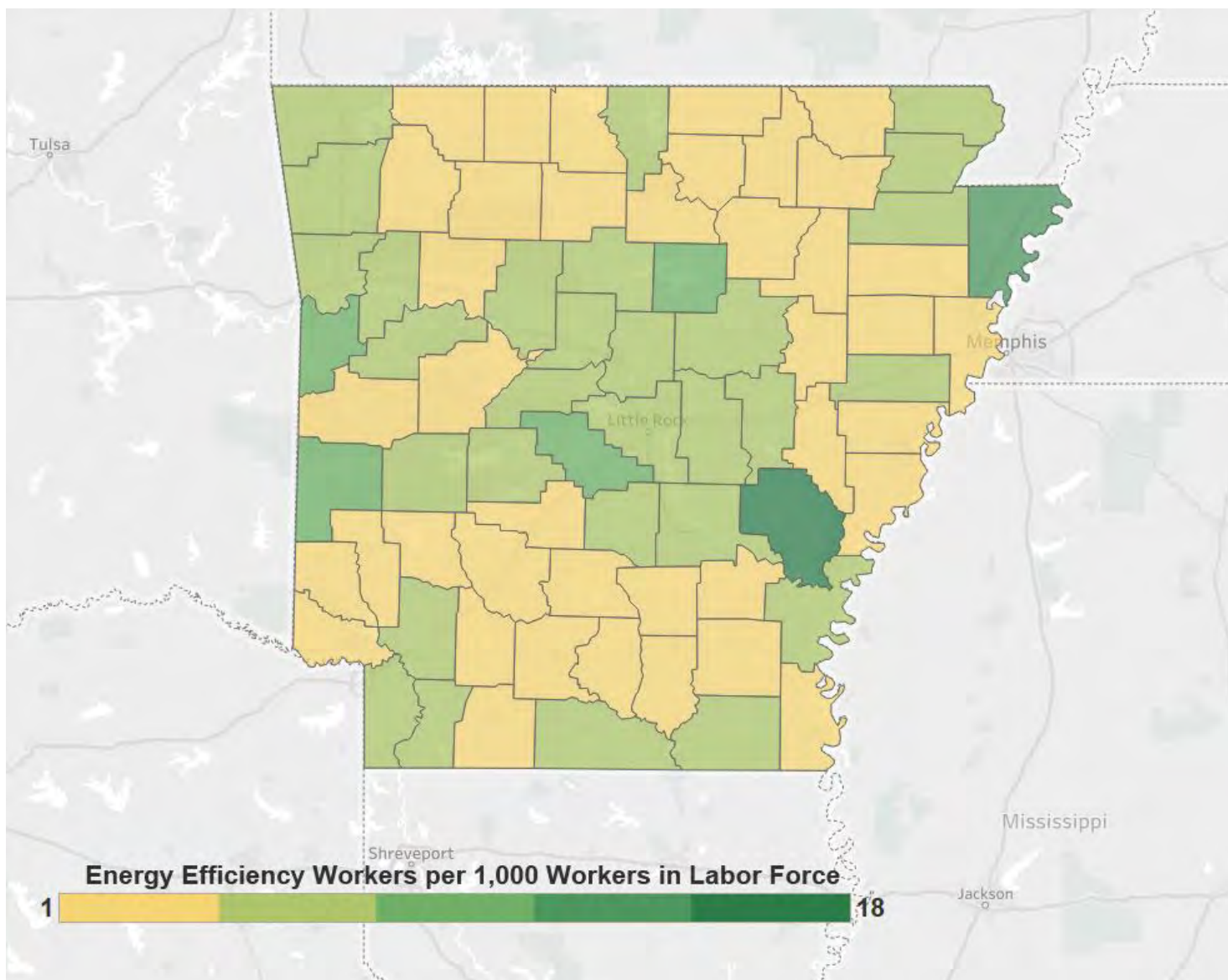
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,422		11	319		21	149		31	246
2	173		12	278		22	318		32	306
3	365		13	942		23	318		33	-
4	611		14	113		24	270		34	125
5	447		15	1,244		25	522		35	-
6	234		16	479		26	342		36	246
7	-		17	278		27	238			
8	753		18	467		28	141			
9	72		19	342		29	149			
10	354		20	761		30	2,002			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	206		28	-		52	358		79	-
2	201		29	286		53	624		80	519
3	161		30	499		54	213		81	615
4	72		31	165		55	-		82	68
5	68		32	129		56	193		83	314
6	242		33	1,144		57	-		84	345
7	12		34	-		58	-		85	-
8	298		32	-		59	-		86	-
9	24		33	-		60	93		87	-
10	183		34	569		61	161		88	-
11	138		35	121		62	93		89	-
12	226		36	-		63	-		90	686
13	306		37	403		64	213		91	32
14	524		38	-		65	141		92	72
15	217		39	4		66	36		93	278
16	173		40	-		67	-		94	-
17	-		41	48		68	117		95	32
18	338		42	16		69	89		96	-
19	16		43	-		70	-		97	36
20	72		44	121		71	133		98	8
21	274		45	153		72	-		99	72
22	403		46	97		73	60		100	16
23	77		47	205		74	85			
24	-		48	-		75	234			
25	-		49	-		76	326			
26	-		50	286		77	298			
27	28		51	499		78	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# California

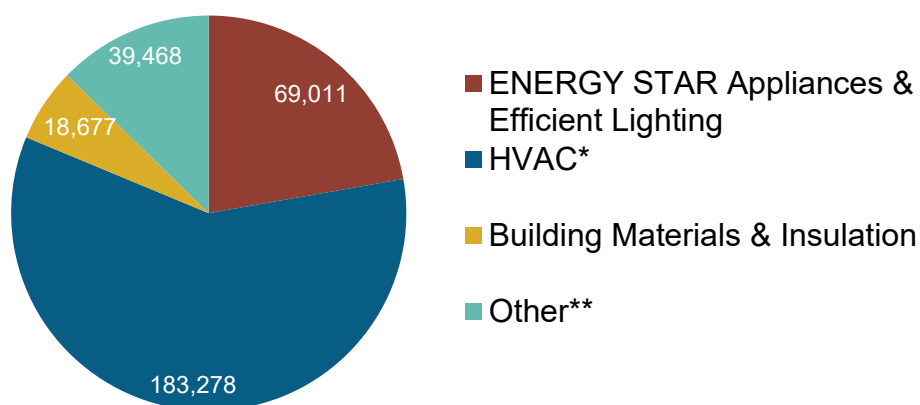
## Energy Efficiency Jobs in America

310,433  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

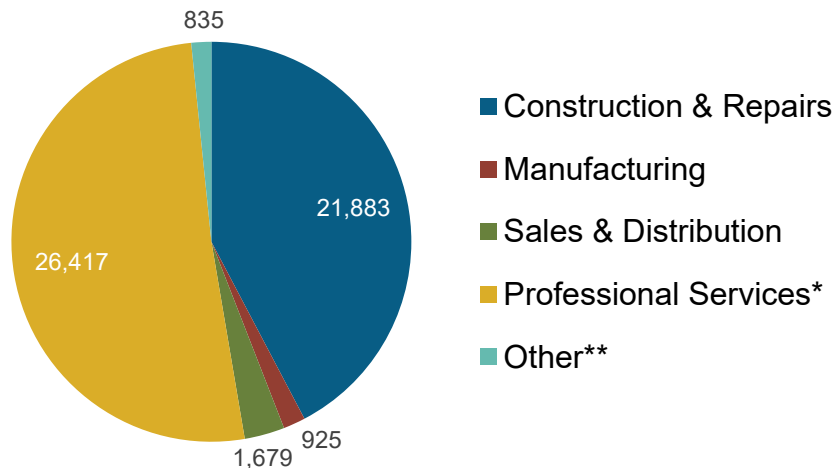
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In California,  
EE Jobs  
Comprise:

**20%**  
of All  
Construction Jobs

**33%**  
of All  
Energy Sector Jobs

**12%**  
of California residents  
employed in EE are  
**Veterans**

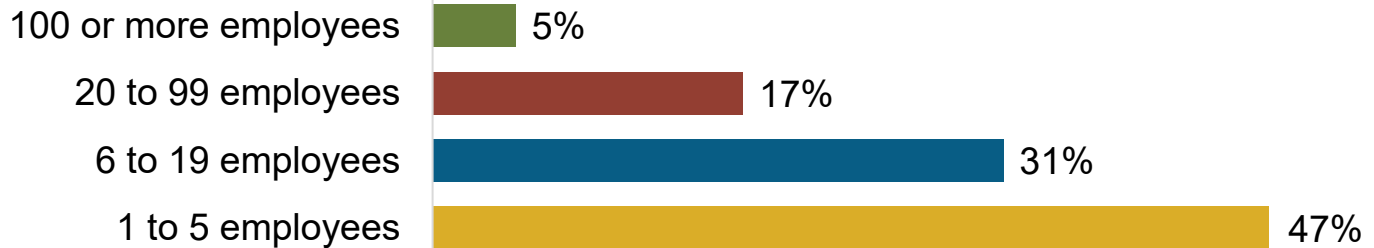
Presented by:



Good for the Economy.  
Good for the Environment.

# 51,739 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional				Metropolitan Areas	
District	Jobs	District	Jobs	Area	Jobs
1	8,334	28	8,753	Bakersfield	4,828
2	10,887	29	2,661	Chico	2,084
3	6,368	30	6,605	El Centro	807
4	6,759	31	2,385	Fresno	6,766
5	4,218	32	3,483	Hanford-Corcoran	448
6	6,248	33	2,628	Los Angeles-Long Beach-Santa Ana	102,586
7	3,620	34	5,277	Madera	829
8	4,730	35	5,889	Merced	954
9	4,752	36	3,932	Modesto	3,445
10	3,599	37	4,111	Napa	1,752
11	8,565	38	4,022	Oxnard-Thousand Oaks-Ventura	7,144
12	11,637	39	6,907	Redding	2,097
13	6,661	40	1,701	Riverside-San Bernardino-Ontario	24,571
14	6,717	41	4,774	Sacramento-Arden-Arcade-Roseville	18,158
15	5,014	42	3,043	Salinas	3,436
16	5,290	43	2,860	San Diego-Carlsbad-San Marcos	32,756
17	10,173	44	1,865	San Francisco-Oakland-Fremont	45,240
18	7,101	45	4,683	San Jose-Sunnyvale-Santa Clara	18,373
19	3,161	46	2,669	San Luis Obispo-Paso Robles	3,158
20	4,305	47	3,890	Santa Barbara-Santa Maria-Goleta	6,178
21	4,432	48	5,158	Santa Cruz-Watsonville	2,546
22	2,926	49	2,834	Santa Rosa-Petaluma	5,332
23	3,099	50	5,336	Stockton	3,907
24	10,910	51	6,709	Vallejo-Fairfield	2,435
25	5,746	52	7,888	Visalia-Porterville	2,035
26	4,010	53	1,649	Yuba City	921
27	9,457			Rural	7,646



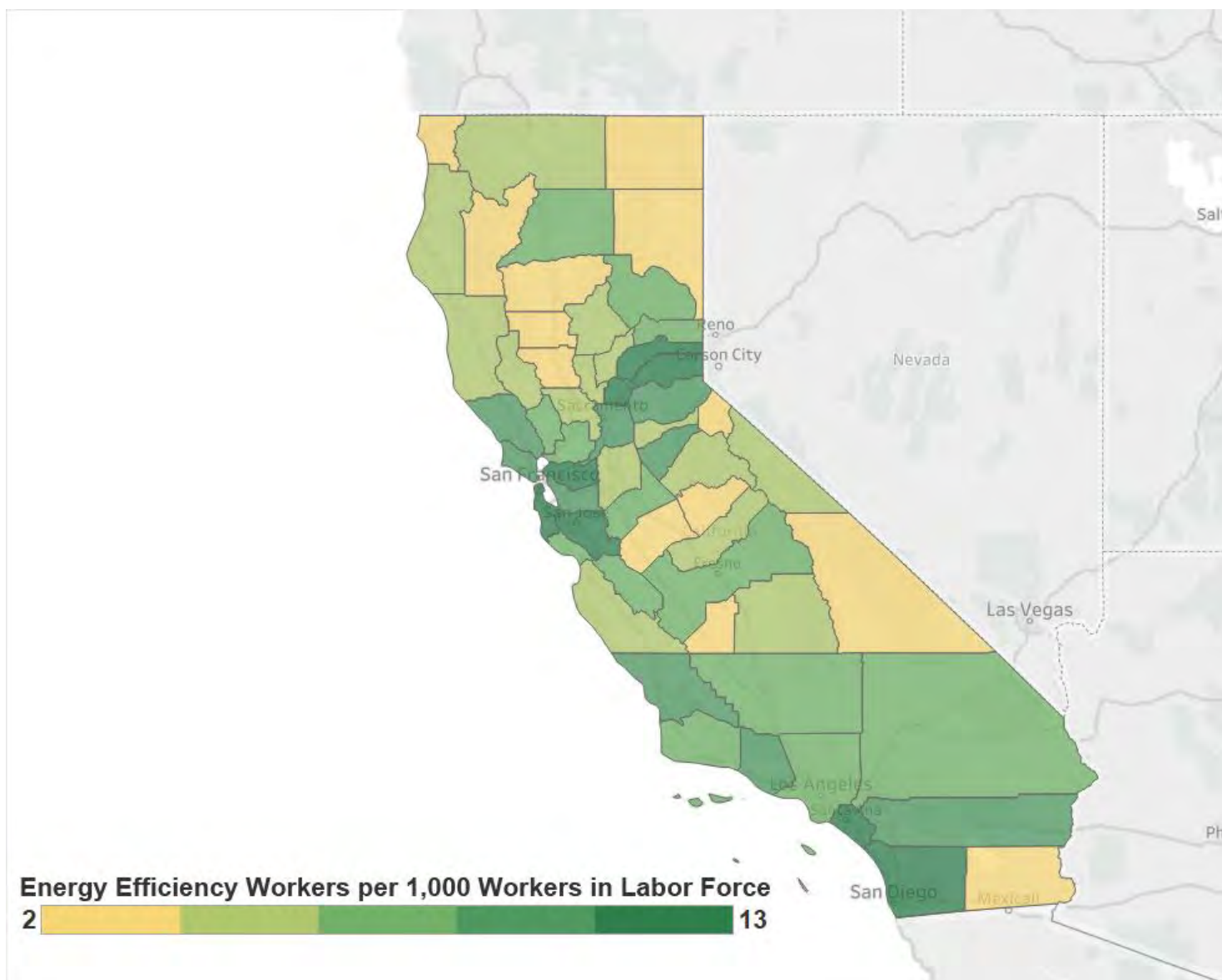
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	12,162		11	12,694		21	4,313		31	3,196
2	11,932		12	3,935		22	7,883		32	3,613
3	9,733		13	9,471		23	4,690		33	4,220
4	5,301		14	5,695		24	7,817		34	9,593
5	6,224		15	5,301		25	5,671		35	2,585
6	6,330		16	3,576		26	13,818		36	13,052
7	8,430		17	8,748		27	8,674		37	9,273
8	8,973		18	8,003		28	7,086		38	10,408
9	8,012		19	9,811		29	8,044		39	13,245
10	11,849		20	9,227		30	5,056		40	2,788

## State Lower House

District	Jobs		District	Jobs		District	Jobs
1	7,084		31	1,318		61	697
2	5,494		32	1,944		62	-
3	2,264		33	2,993		63	1,629
4	6,604		34	1,854		64	113
5	4,071		35	4,677		65	184
6	5,298		36	2,678		66	13
7	6,952		37	8,216		67	-
8	1,246		38	4,995		68	-
9	1,128		39	2,928		69	3
10	4,681		40	3,431		70	743
11	2,642		41	6,219		71	287
12	4,157		42	3,852		72	-
13	1,880		43	3,884		73	1,031
14	6,920		44	2,386		74	319
15	3,651		45	6,826		75	225
16	2,651		46	2,368		76	243
17	10,698		47	1,392		77	71
18	4,157		48	2,909		78	342
19	2,070		49	2,224		79	-
20	3,911		50	9,772		80	68
21	1,349		51	2,805			
22	4,502		52	5,457			
23	5,582		53	3,326			
24	6,040		54	3,259			
25	7,646		55	4,483			
26	3,055		56	1,005			
27	1,842		57	3,042			
28	3,108		58	909			
29	5,139		59	527			
30	2,049		60	2,411			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# Colorado

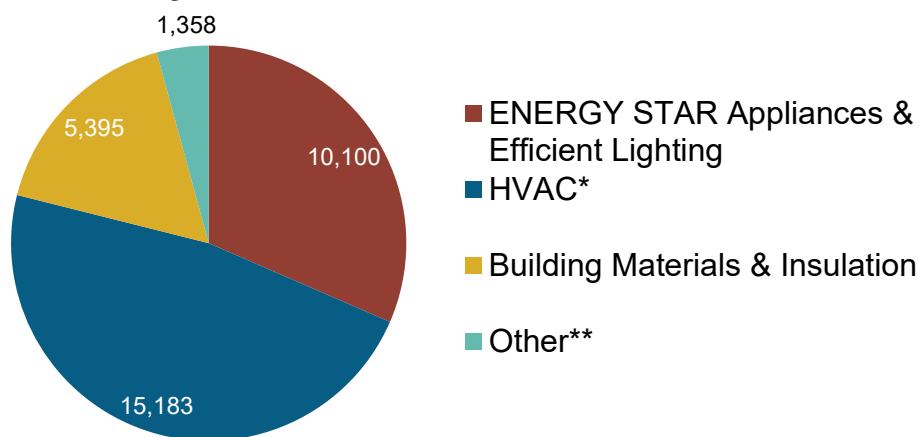
## Energy Efficiency Jobs in America

32,036  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

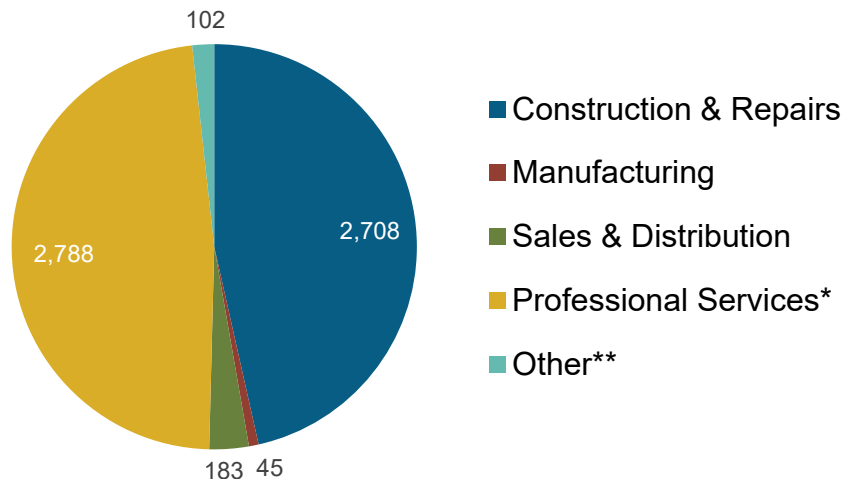
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Colorado,  
EE Jobs  
Comprise:

**10%**  
of All  
Construction Jobs

**21%**  
of All  
Energy Sector Jobs

**12%**  
of Colorado residents  
employed in EE are  
Veterans

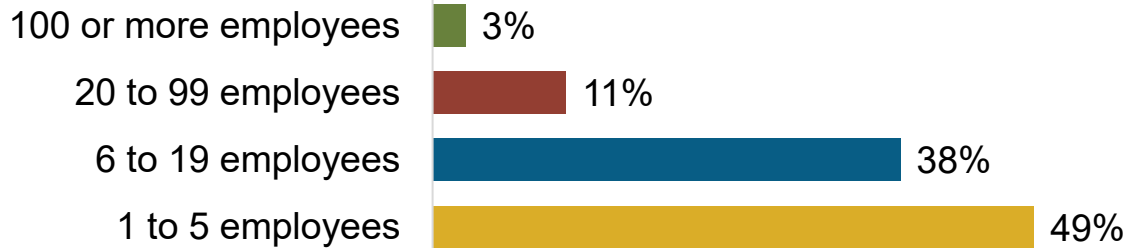
Presented by:



Good for the Economy.  
Good for the Environment.

# 5,825 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	8,832	Boulder	2,377
2	7,482	Colorado Springs	3,387
3	4,990	Denver-Aurora	15,844
4	4,627	Fort Collins-Loveland	2,114
5	3,604	Grand Junction	870
6	1,064	Greeley	1,424
7	1,438	Pueblo	637
		Rural	5,383





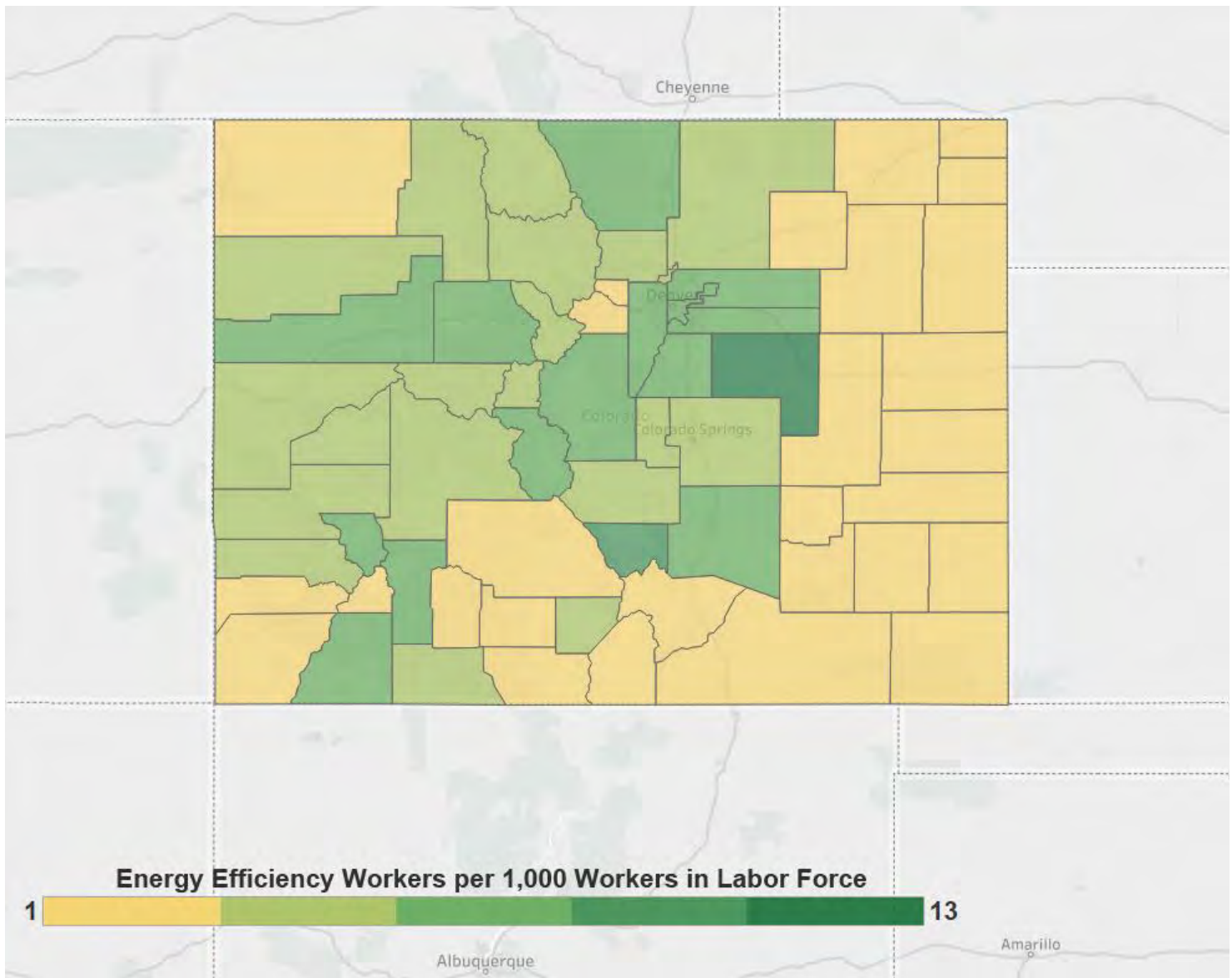
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,113		11	831		21	1,620		31	1,768
2	1,200		12	27		22	-		32	1,076
3	563		13	487		23	125		33	268
4	1,685		14	755		24	49		34	1,557
5	1,706		15	1,106		25	326		35	475
6	1,144		16	2,626		26	2,174			
7	865		17	1,354		27	-			
8	1,311		18	768		28	138			
9	1,478		19	1,116		29	98			
10	291		20	670		30	268			

## State Lower House

District	Jobs		District	Jobs		District	Jobs
1	8,832		28	-		52	-
2	7,482		29	152		53	-
3	4,990		30	1,081		54	976
4	4,627		31	49		55	-
5	3,604		32	54		56	143
6	1,064		33	283		57	499
7	1,438		34	27		58	522
8	1,394		32	-		59	898
9	1,567		33	268		60	228
10	2,304		34	-		61	857
11	590		35	272		62	239
12	1,816		36	1,301		63	121
13	1,031		37	-		64	353
14	339		38	-		65	268
15	-		39	-			
16	339		40	-			
17	1,681		41	-			
18	594		42	-			
19	642		43	460			
20	541		44	301			
21	786		45	1,500			
22	469		46	1,482			
23	640		47	71			
24	961		48	-			
25	170		49	-			
26	290		50	152			
27	9		51	1,081			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Connecticut

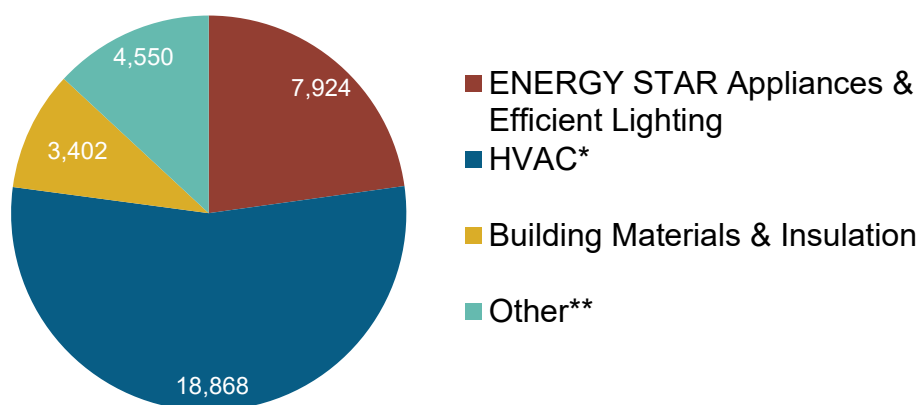
## Energy Efficiency Jobs in America

**34,743**  
Total Jobs

### What are EE Jobs?

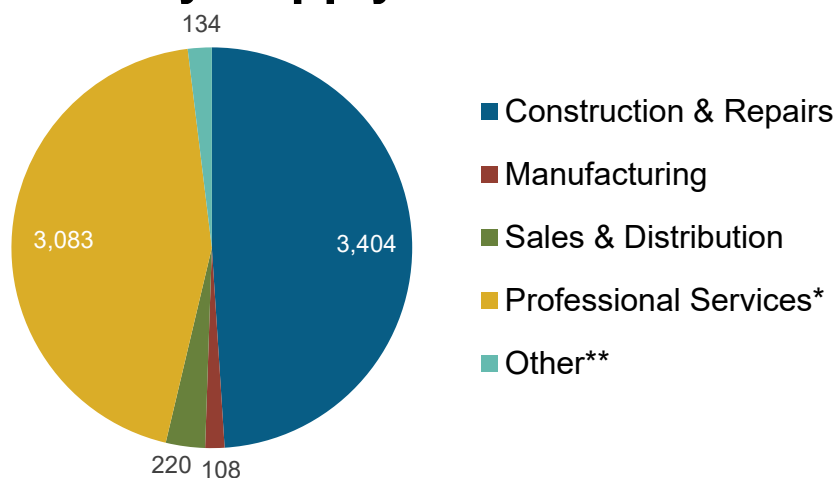
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

**In Connecticut,  
EE Jobs  
Comprise:**

**28%**  
of All  
Construction Jobs

**47%**  
of All  
Energy Sector Jobs

**6%**  
of Connecticut  
residents employed in  
EE are **Veterans**

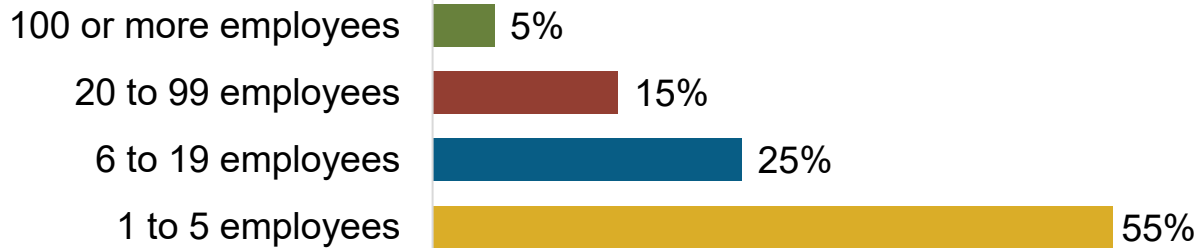
Presented by:



Good for the Economy.  
Good for the Environment.

# 6,949 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	7,930	Bridgeport-Stamford-Norwalk	2,377
2	5,370	Hartford-W. Hartford-E. Hartford	3,387
3	7,133	New Haven-Milford	15,844
4	8,752	Norwich-New London	2,114
5	5,558	Rural	5,383

**We manufacture glass interior storm windows so people can save energy & money.**

Kimber Degling,  
Innerglass Window Systems, Granby, CT

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS

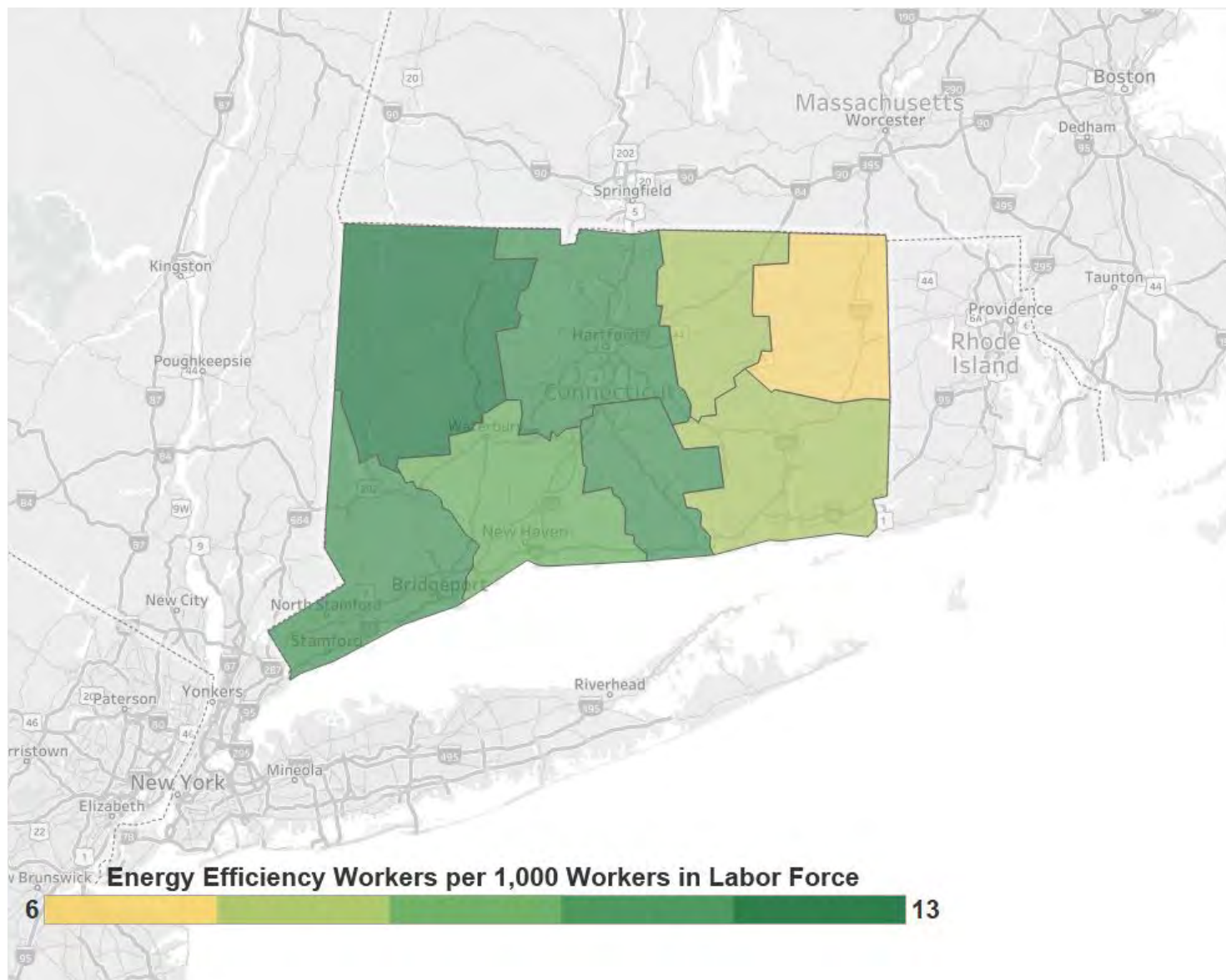
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,763		11	1,033		21	1,668		31	695
2	550		12	1,069		22	668		32	828
3	1,197		13	1,198		23	73		33	886
4	878		14	985		24	1,841		34	-
5	1,108		15	996		25	2,034		35	349
6	454		16	447		26	1,163		36	1,313
7	706		17	279		27	2,227			
8	1,205		18	891		28	1,210			
9	977		19	721		29	489			
10	1,218		20	1,092		30	534			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	206		32	195		63	614		94	-		125	607
2	1,593		33	370		64	267		95	149		126	172
3	496		34	286		65	-		96	-		127	-
4	859		35	198		66	481		97	111		128	141
5	195		36	408		67	298		98	386		129	-
6	-		37	130		68	198		99	-		130	-
7	65		38	527		69	290		100	-		131	176
8	375		39	-		70	215		101	229		132	821
9	706		40	382		71	137		102	-		133	-
10	-		41	-		72	313		103	-		134	794
11	452		42	257		73	164		104	191		135	130
12	-		43	130		74	-		105	149		136	-
13	485		44	183		75	-		106	99		137	908
14	-		45	43		76	84		107	275		138	-
15	290		46	308		77	405		108	95		139	27
16	443		47	225		78	88		109	-		140	-
17	187		48	118		79	-		110	-		141	332
18	444		49	31		80	95		111	373		142	-
19	366		50	238		81	99		112	229		143	-
20	-		51	107		82	294		113	481		144	1,620
21	80		52	107		83	-		114	302		145	607
22	202		53	15		84	-		115	218		146	-
23	436		54	4		85	805		116	-		147	-
24	458		55	160		86	401		117	519		148	-
25	-		56	-		87	-		118	164		149	1,103
26	-		57	179		88	433		119	-		150	210
27	-		58	256		89	504		120	462		151	-
28	202		59	-		90	-		121	69			
29	260		60	107		91	-		122	317			
30	416		61	221		92	603		123	-			
31	34		62	233		93	397		124	427			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# Delaware

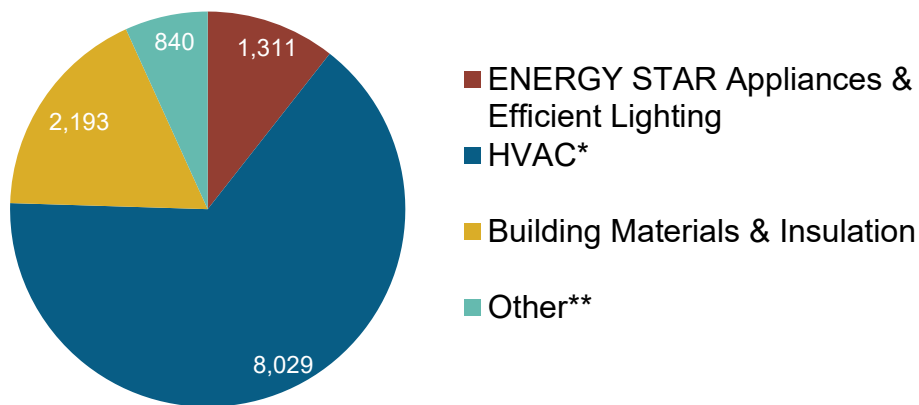
## Energy Efficiency Jobs in America

12,372  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

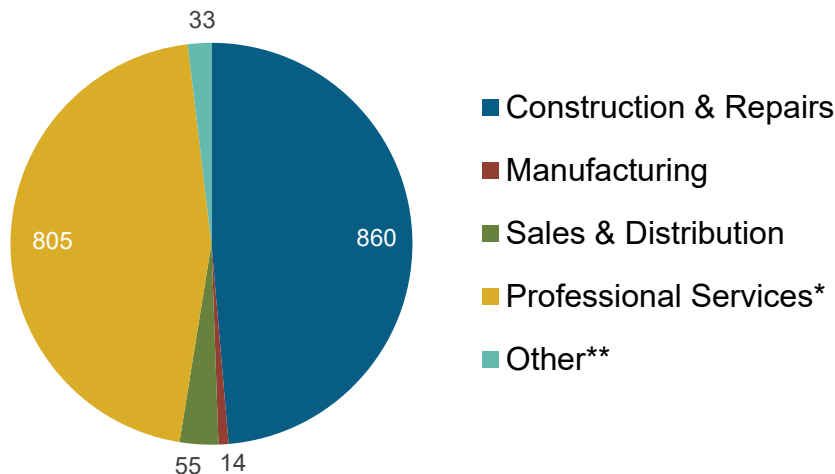
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Delaware,  
EE Jobs  
Comprise:

**44%**  
of All  
Construction Jobs

**57%**  
of All  
Energy Sector Jobs

**14%**  
of Delaware residents  
employed in EE are  
**Veterans**

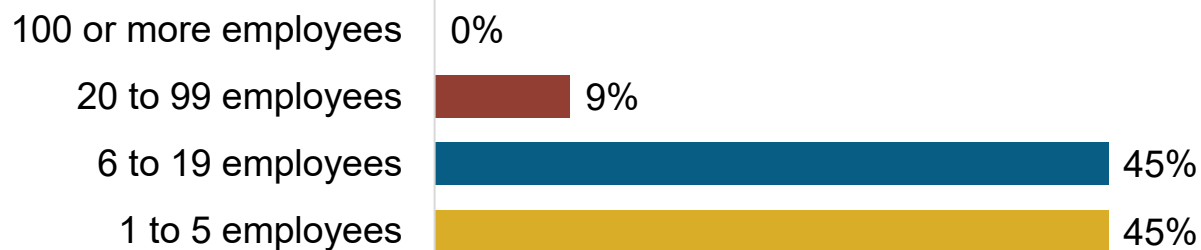
Presented by:



Good for the Economy.  
Good for the Environment.

# 1,767 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	12,372	Dover	1,604
		Philadelphia-Camden-Wilmington	7,604
		Rural	3,165

I am proud to help low income [customers] achieve efficiency.

Bethel Moya, First State Community Action Agency, Millsboro, DE

Energy efficiency: America's Job-creation powerhouse

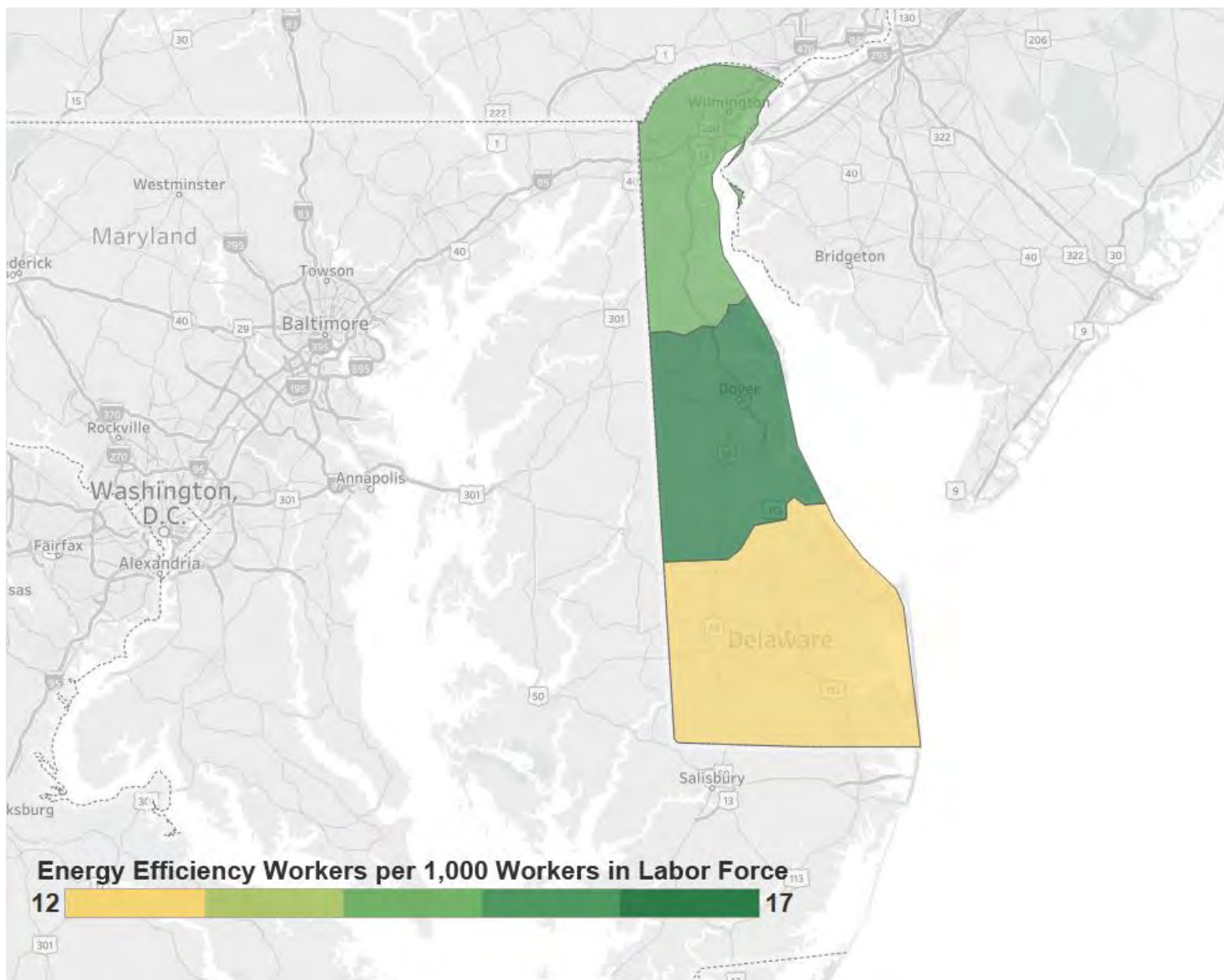
Faces of EE JOBS



State Upper House						
District	Jobs		District	Jobs		District
1	1,588		11	-		21
2	1,902		12	61		236
3	553		13	-		
4	1,295		14	818		
5	255		15	859		
6	1,581		16	378		
7	-		17	-		
8	410		18	300		
9	452		19	258		
10	765		20	661		

State Lower House				
District	Jobs		District	Jobs
1	12,372		28	437
2	933		29	13
3	2,819		30	679
4	165		31	-
5	724		32	77
6	781		33	-
7	381		34	-
8	-		32	597
9	513		33	-
10	229		34	-
11	-		35	661
12	662		36	-
13	6		37	77
14	-		38	-
15	742		39	437
16	61		40	13
17	-		41	679
18	397			
19	-			
20	-			
21	839			
22	565			
23	-			
24	13			
25	-			
26	-			
27	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# District of Columbia

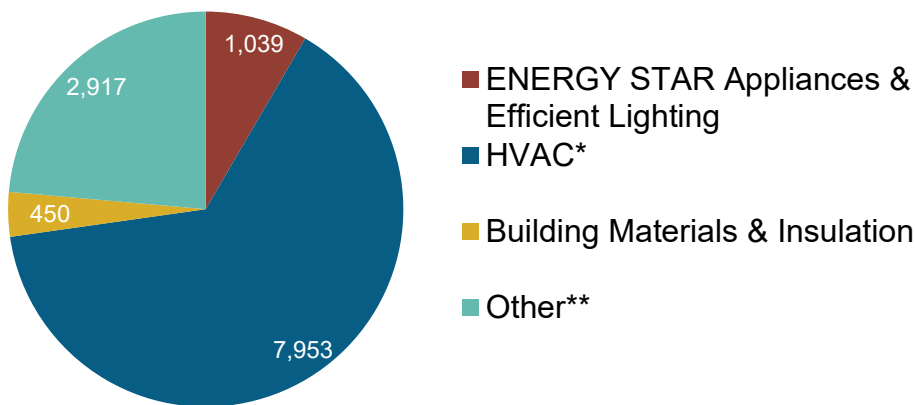
## Energy Efficiency Jobs in America

12,359  
Total Jobs

### What are EE Jobs?

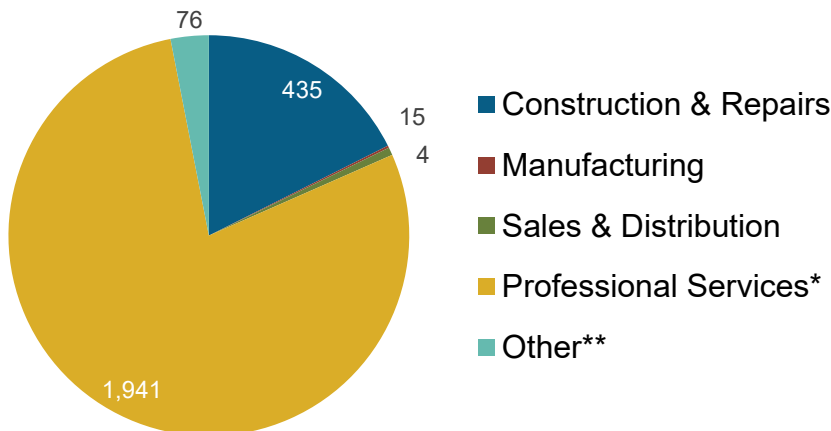
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In DC,  
EE Jobs  
Comprise:

**36%**  
of All  
Construction Jobs

**63%**  
of All  
Energy Sector Jobs

**16%**  
of DC residents  
employed in EE are  
Veterans

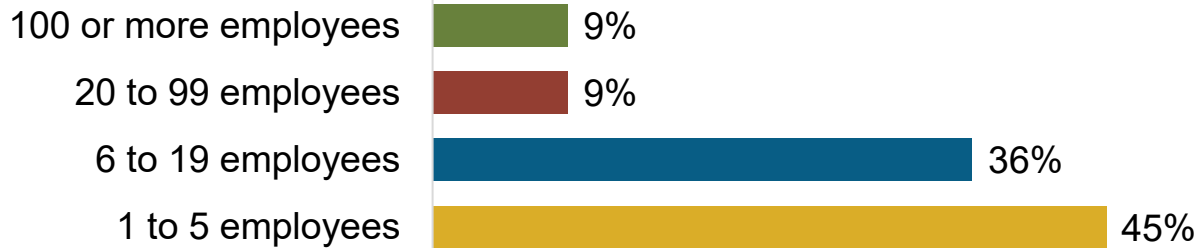
Presented by:



Good for the Economy.  
Good for the Environment.

# 2,472 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	12,359	Washington-Arlington-Alexandria	12,359





# Florida

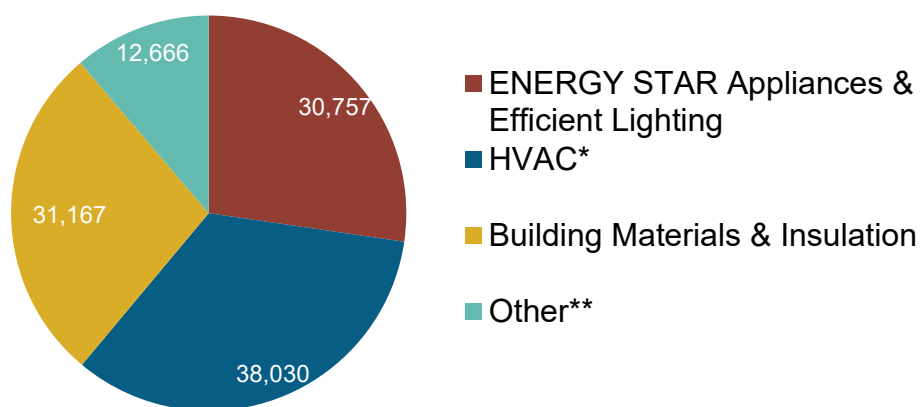
## Energy Efficiency Jobs in America

112,620  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

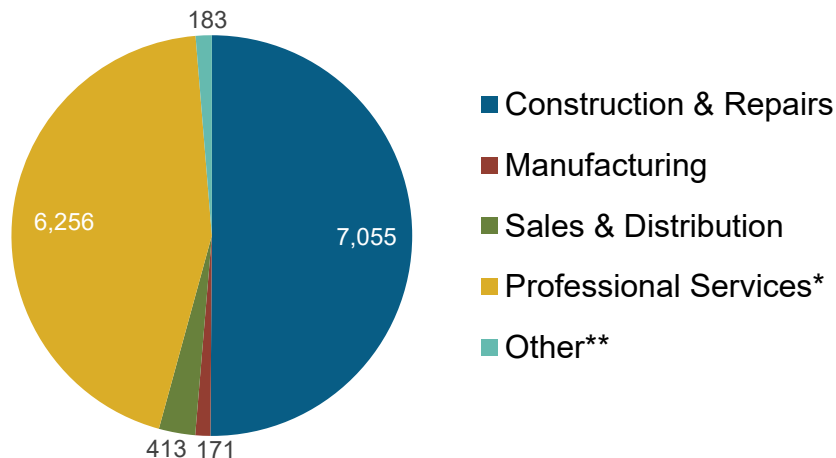
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Florida,  
EE Jobs  
Comprise:

**17%**  
of All  
Construction Jobs

**35%**  
of All  
Energy Sector Jobs

**10%**  
of Florida residents  
employed in EE are  
Veterans

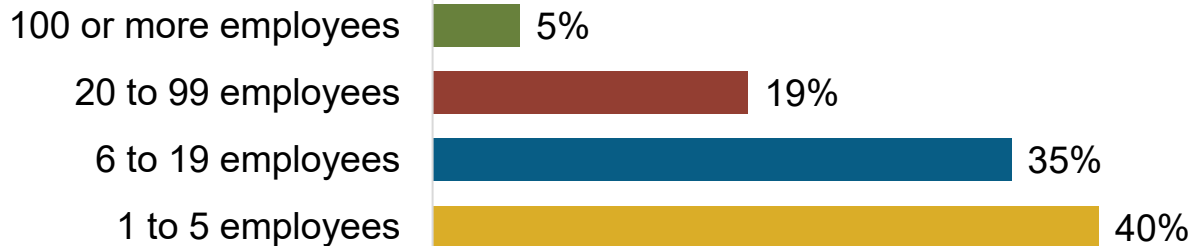
Presented by:



Good for the Economy.  
Good for the Environment.

# 14,078 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Job
1	4,126	Cape Coral-Fort Myers	4,704
2	3,928	Deltona-Daytona Beach-Ormond Beach	2,402
3	3,437	Fort Walton Beach-Crestview-Destin	1,249
4	5,903	Gainesville	1,344
5	5,356	Jacksonville	7,965
6	3,484	Lakeland	2,010
7	3,457	Miami-Fort Lauderdale-Pompano Beach	39,294
8	4,111	Naples-Marco Island	2,647
9	1,990	Ocala	1,512
10	2,161	Orlando-Kissimmee	11,415
11	2,624	Palm Bay-Melbourne-Titusville	3,045
12	4,535	Palm Coast	344
13	3,430	Panama City-Lynn Haven	1,009
14	5,118	Pensacola-Ferry Pass-Brent	2,394
15	1,659	Port St. Lucie	2,836
16	4,787	Punta Gorda	926
17	2,707	Sarasota-Bradenton-Venice	4,700
18	7,284	Sebastian-Vero Beach	977
19	6,206	Tallahassee	2,371
20	8,877	Tampa-St. Petersburg-Clearwater	14,588
21	2,062	Rural	4,888
22	5,131		
23	5,167		
24	4,085		
25	4,021		
26	3,273		
27	3,698		





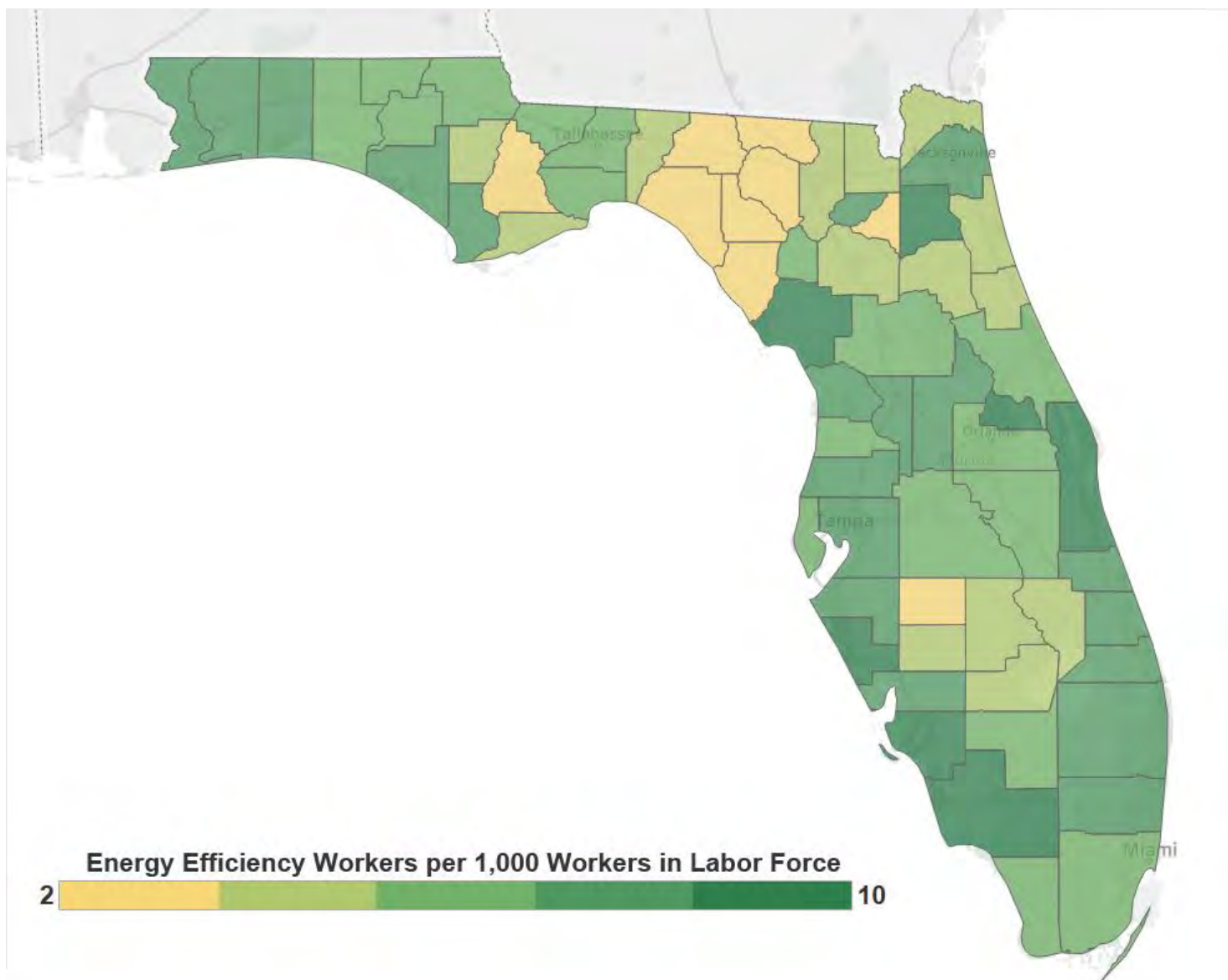
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,943		11	2,128		21	2,368		31	4,819
2	2,430		12	3,630		22	1,233		32	2,127
3	2,729		13	2,099		23	4,515		33	2,970
4	5,676		14	1,317		24	731		34	3,608
5	2,231		15	1,638		25	4,523		35	7,953
6	3,030		16	2,844		26	1,906		36	1,327
7	1,793		17	3,941		27	3,244		37	2,193
8	2,020		18	1,540		28	3,258		38	2,732
9	430		19	4,909		29	4,209		39	2,252
10	3,157		20	2,952		30	2,886		40	329

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,118		32	994		60	3,088		91	94
2	885		33	391		61	386		92	3,529
3	589		34	1,010		62	753		93	2,424
4	928		32	381		63	5		94	1,746
5	993		33	971		64	815		95	601
6	861		34	814		65	683		96	682
7	845		35	485		66	1,172		97	706
8	1,262		36	1,534		67	701		98	669
9	612		37	316		68	993		99	1,572
10	757		38	169		69	386		100	1,162
11	1,540		39	852		70	1,828		101	427
12	1,685		40	42		71	668		102	1,097
13	1,194		41	970		72	997		103	1,837
14	546		42	522		73	367		104	28
15	391		43	1,558		74	795		105	877
16	958		44	974		75	1,068		106	833
17	992		45	184		76	2,065		107	658
18	447		46	452		77	828		108	1,142
19	421		47	278		78	1,842		109	767
20	1,713		48	1,229		79	235		110	235
21	301		49	1,315		80	1,417		111	790
22	678		50	278		81	1,601		112	4,512
23	202		51	1,172		82	2,708		113	471
24	1,224		52	656		83	1,264		114	969
25	856		53	325		84	268		115	1,346
26	461		54	1,028		85	1,402		116	212
27	298		55	1,517		86	1,484		117	358
28	1,595		56	66		87	733		118	-
29	776		57	994		88	1,064		119	61
30	1,530		58	391		89	2,488		120	789
31	640		59	1,010		90	146			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Georgia

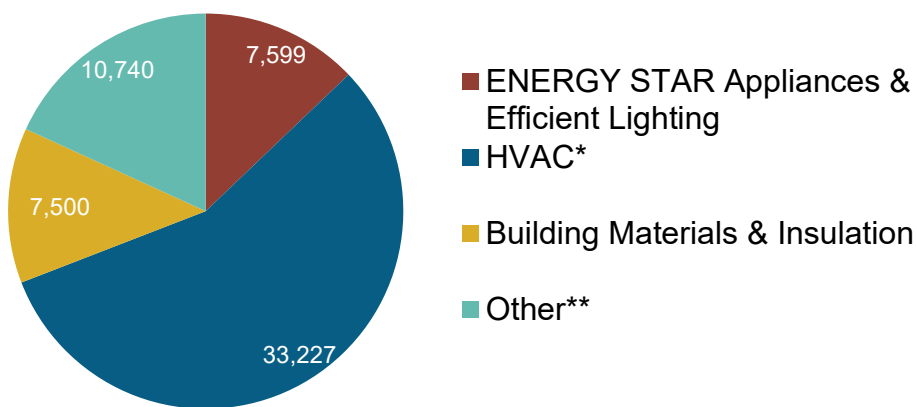
## Energy Efficiency Jobs in America

59,065  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

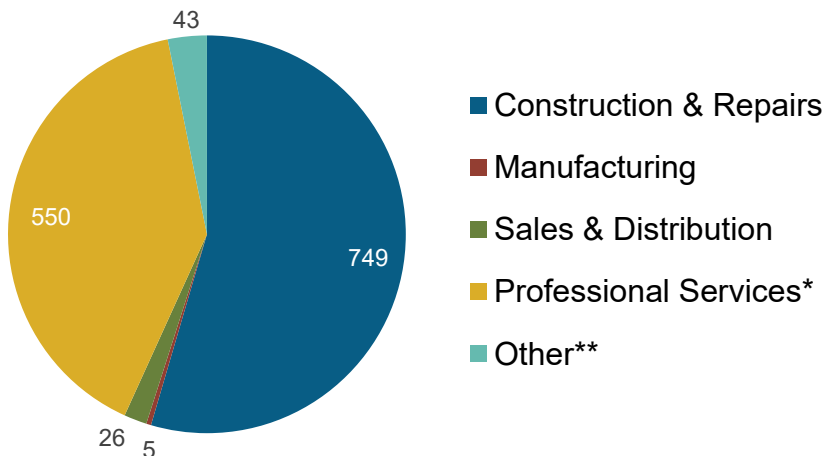
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Georgia,  
EE Jobs  
Comprise:

**20%**  
of All  
Construction Jobs

**31%**  
of All  
Energy Sector Jobs

**9%**  
of Georgia residents  
employed in EE are  
Veterans

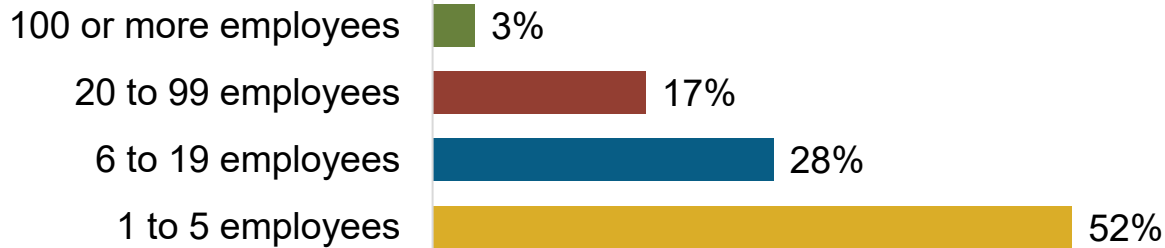
Presented by:



Good for the Economy.  
Good for the Environment.

# 11,813 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	3,936	Albany	878
2	4,364	Athens-Clark County	1,098
3	4,064	Atlanta-Sandy Springs-Marietta	37,689
4	5,480	Augusta-Richmond County	1,979
5	7,915	Brunswick	792
6	11,093	Chattanooga	533
7	3,781	Columbus	1,089
8	2,377	Dalton	681
9	4,217	Gainesville	1,059
10	1,938	Hinesville-Fort Stewart	156
11	3,853	Macon	1,455
12	2,915	Rome	493
13	1,283	Savannah	2,154
14	1,848	Valdosta	860
		Warner Robins	537
		Rural	7,612



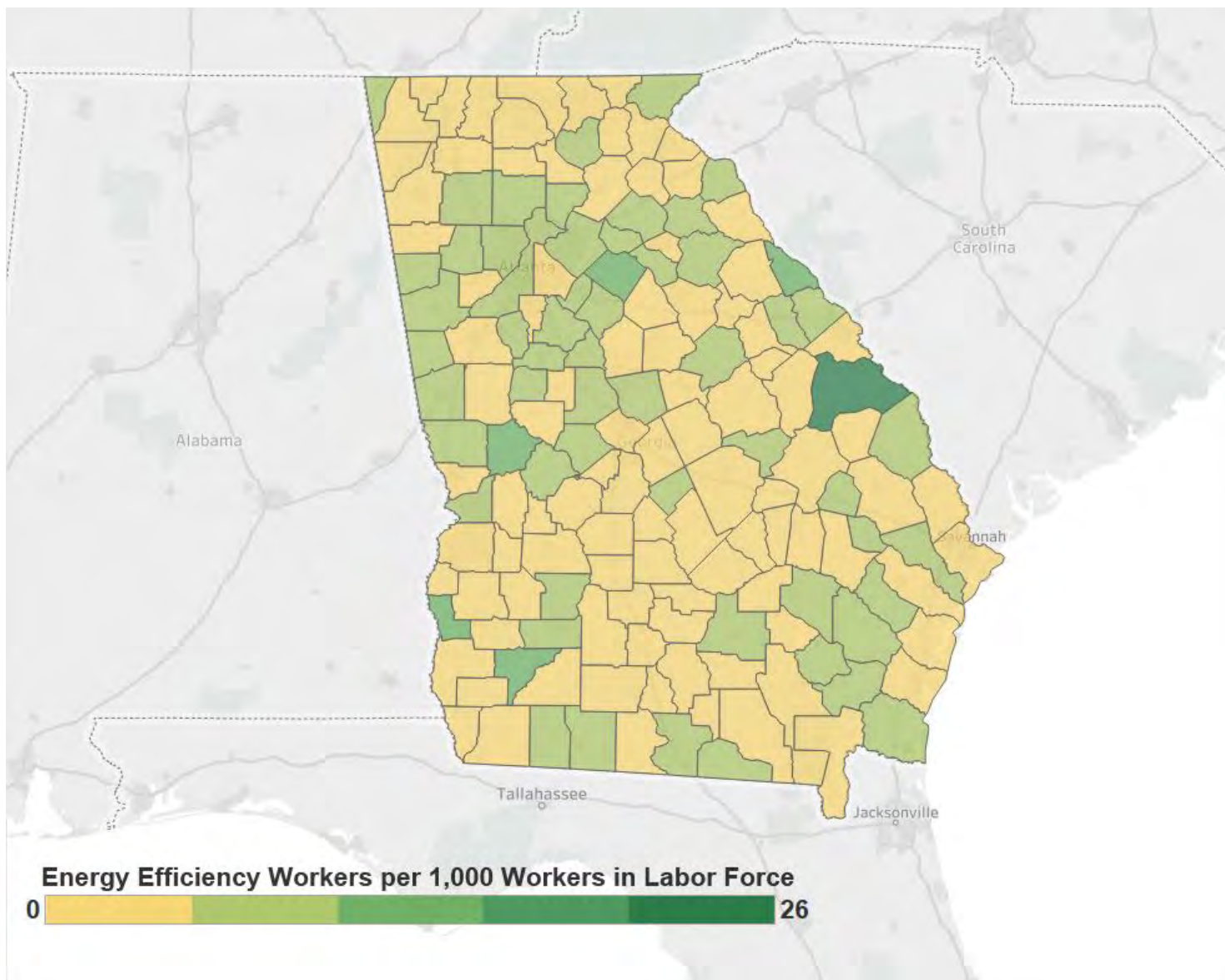
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,593		15	942		29	267		43	486
2	529		16	1,484		30	939		44	18
3	1,049		17	907		31	444		45	547
4	907		18	1,538		32	1,576		46	1,018
5	3,037		19	377		33	885		47	225
6	6,762		20	243		34	936		48	-
7	820		21	3,169		35	365		49	1,130
8	1,223		22	1,479		36	3,389		50	474
9	1,835		23	422		37	170		51	688
10	1,908		24	851		38	134		52	516
11	687		25	951		39	128		53	516
12	955		26	529		40	1,987		54	657
13	298		27	1,519		41	537			
14	3,122		28	1,462		42	439			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	346		46	-		91	342		136	-
2	516		47	1,373		92	310		137	43
3	6		48	-		93	687		138	86
4	293		49	-		94	213		139	219
5	298		50	-		95	498		140	249
6	6		51	1,312		96	-		141	486
7	982		52	1,173		97	-		142	236
8	377		53	857		98	729		143	486
9	194		54	1,045		99	-		144	555
10	109		55	1,106		100	243		145	-
11	24		56	1,430		101	310		146	24
12	310		57	380		102	-		147	6
13	30		58	298		103	200		148	158
14	597		59	225		104	159		149	128
15	474		60	723		105	97		150	170
16	182		61	353		106	-		151	298
17	444		62	316		107	-		152	875
18	292		63	798		108	-		153	-
19	313		64	492		109	61		154	12
20	1,013		65	49		110	279		155	437
21	188		66	-		111	-		156	152
22	1,675		67	43		112	243		157	214
23	-		68	12		113	-		158	407
24	310		69	642		114	182		159	231
25	1,039		70	122		115	-		160	97
26	170		71	109		116	6		161	779
27	650		72	18		117	726		162	419
28	310		73	328		118	6		163	516
29	55		74	407		119	-		164	194
30	620		75	24		120	231		165	73
31	325		76	322		121	611		166	67
32	352		77	-		122	292		167	788
33	425		78	18		123	352		168	12
34	2,614		79	1,406		124	538		169	103
35	-		80	237		125	73		170	109
36	-		81	1,307		126	134		171	334
37	97		82	531		127	43		172	348
38	407		83	200		128	292		173	73
39	626		84	152		129	231		174	790
40	1,318		85	500		130	55		175	346
41	-		86	49		131	115		176	6
42	784		87	352		132	18		177	-
43	-		88	-		133	370		178	97
44	-		89	-		134	662		179	6
45	838		90	656		135	49		180	103

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# Hawaii

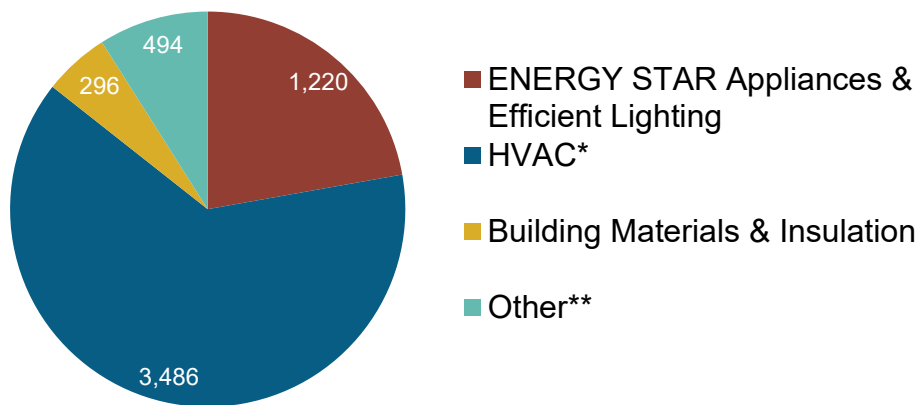
## Energy Efficiency Jobs in America

5,496  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

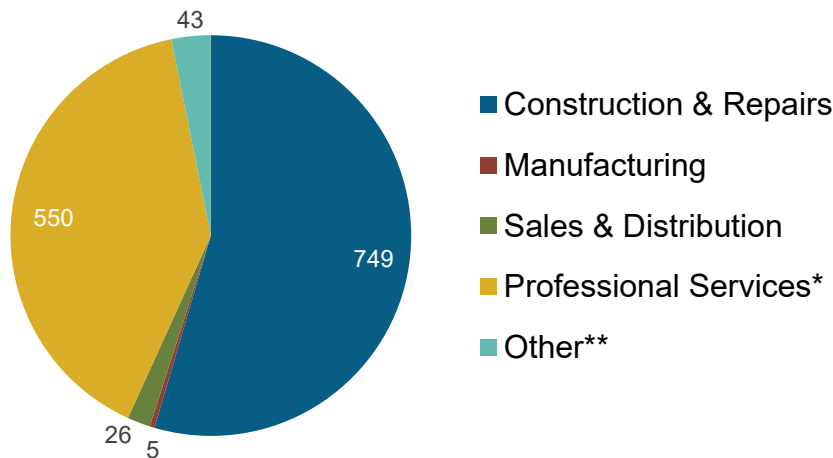
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Hawaii,  
EE Jobs  
Comprise:

**13%**  
of All  
Construction Jobs

**22%**  
of All  
Energy Sector Jobs

**14%**  
of Hawaii residents  
employed in EE are  
Veterans

Presented by:

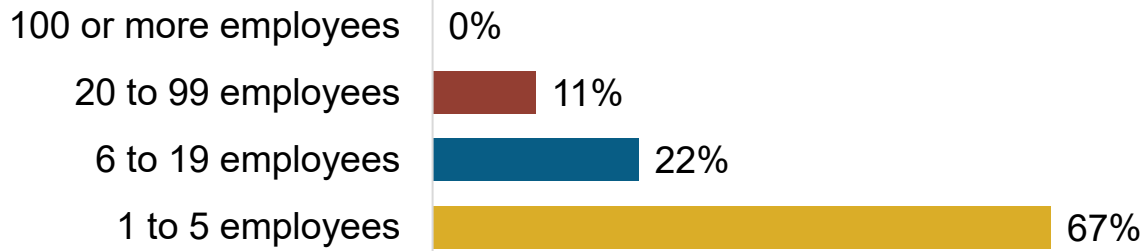


Good for the Economy.  
Good for the Environment.



# 1,374 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	3,206	Honolulu	3,586
2	2,289	Rural	1,910



State Upper House							
District	Jobs		District	Jobs		District	Jobs
1	323		11	1,439		21	39
2	48		12	-		22	35
3	279		13	265		23	139
4	200		14	469		24	161
5	352		15	4		25	18
6	243		16	151			
7	109		17	184			
8	343		18	78			
9	354		19	61			
10	113		20	87			

State Lower House				
District	Jobs		District	Jobs
1	3,206		28	322
2	2,289		29	-
3	471		30	303
4	-		31	-
5	48		32	-
6	-		33	-
7	279		34	-
8	-		32	184
9	52		33	78
10	352		34	-
11	-		35	-
12	222		36	148
13	22		37	-
14	87		38	-
15	22		39	-
16	100		40	39
17	200		41	-
18	43		42	48
19	106		43	-
20	178		44	126
21	70		45	-
22	-		46	161
23	113		47	-
24	1,395		48	18
25	43		49	322
26	-		50	-
27	261		51	303

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Idaho

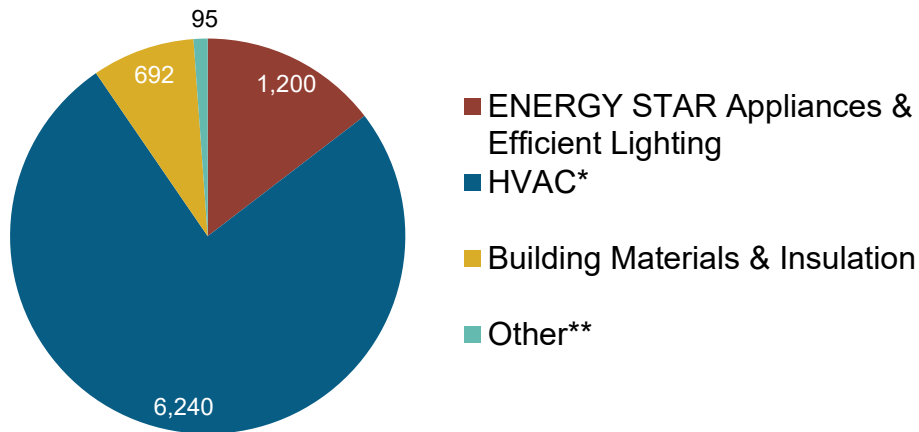
## Energy Efficiency Jobs in America

**8,227**  
Total Jobs

### What are EE Jobs?

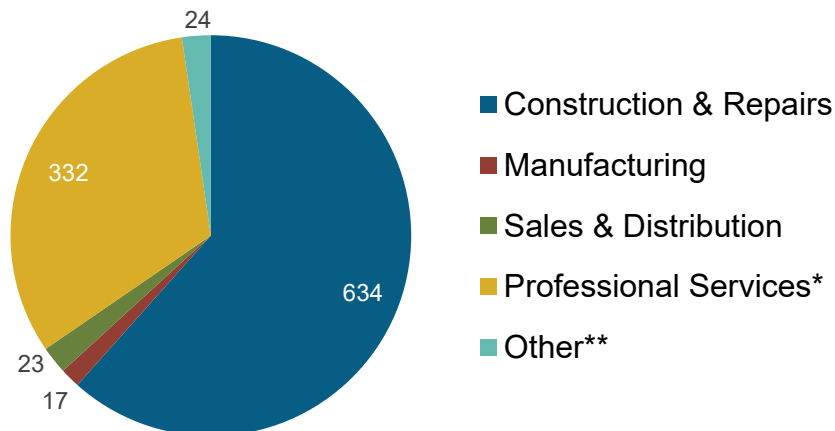
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

**In Idaho,  
EE Jobs  
Comprise:**

**13%**  
of All  
Construction Jobs

**26%**  
of All  
Energy Sector Jobs

**9%**  
of Idaho residents  
employed in EE are  
**Veterans**

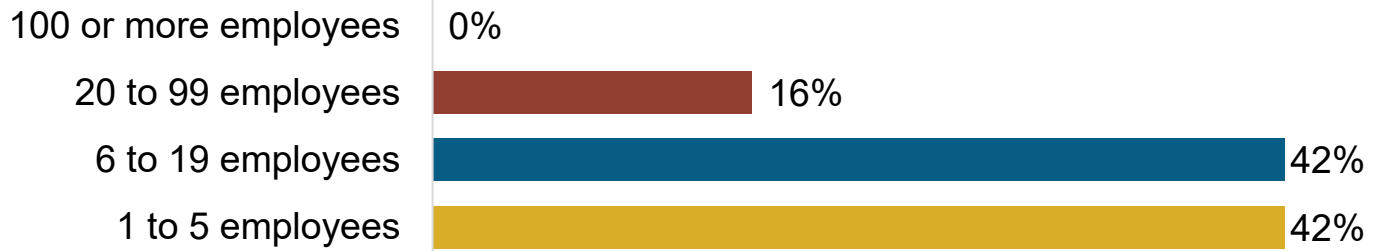
Presented by:



Good for the Economy.  
Good for the Environment.

# 1,028 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,862	Boise City-Nampa	3,306
2	3,366	Coeur d'Alene	842
		Idaho Falls	756
		Lewiston	253
		Logan	46
		Pocatello	466
		Rural	2,559



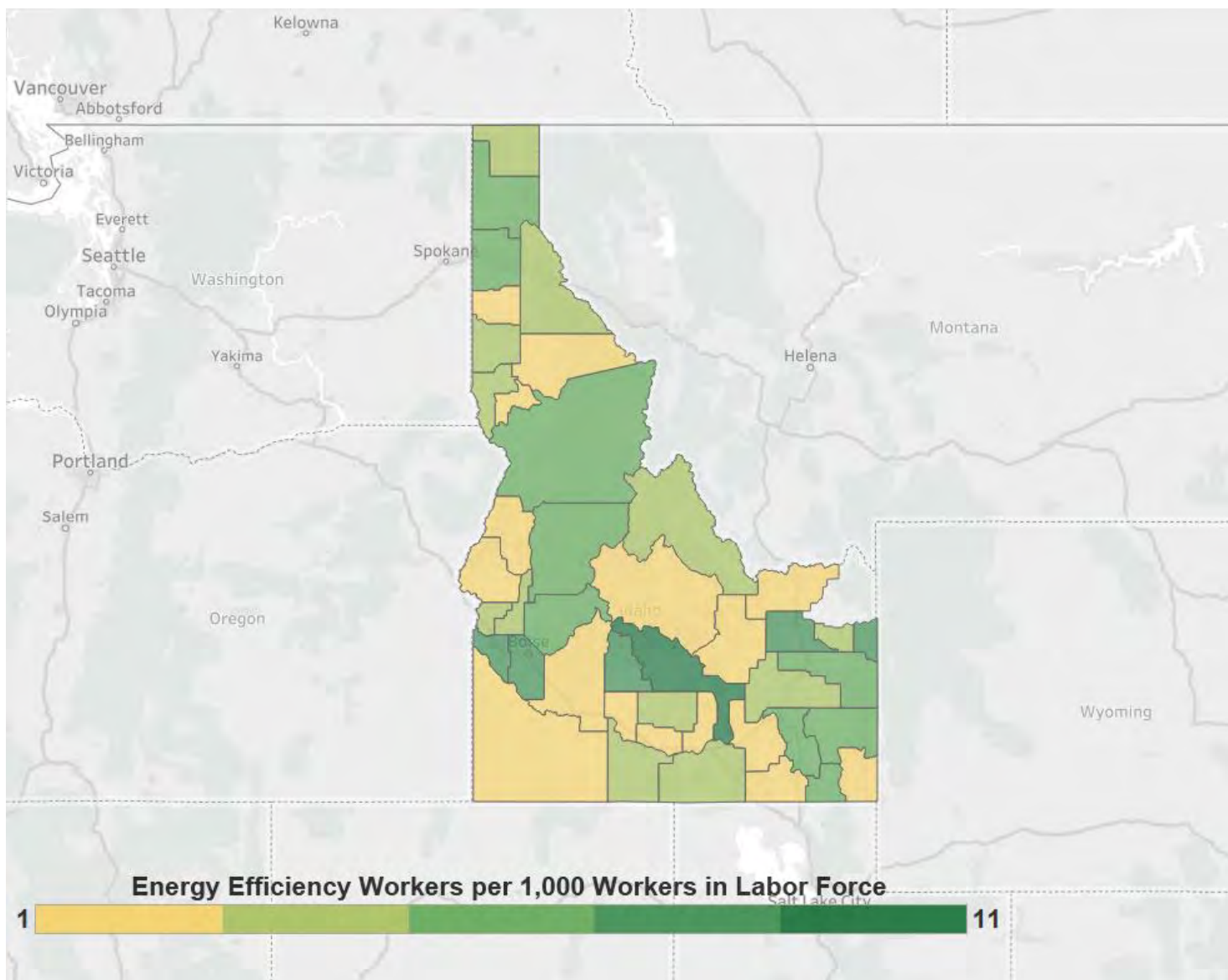
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	333		11	215		21	-		31	88
2	843		12	-		22	-		32	167
3	-		13	-		23	134		33	-
4	-		14	769		24	407		34	180
5	140		15	398		25	167		35	121
6	297		16	218		26	372			
7	213		17	167		27	176			
8	1,088		18	42		28	434			
9	171		19	-		29	-			
10	403		20	-		30	685			

## State Lower House

District	Jobs		District	Jobs		District	Jobs
1	4,862		28	434		52	-
2	3,366		29	-		53	-
3	333		30	685		54	-
4	843		31	88		55	-
5	-		32	167		56	-
6	-		33	-		57	-
7	140		34	180		58	-
8	297		32	121		59	-
9	213		33	-		60	-
10	1,088		34	-		61	-
11	171		35	-		62	-
12	403		36	-		63	-
13	215		37	-		64	-
14	-		38	-		65	-
15	-		39	-		66	-
16	769		40	-		67	-
17	398		41	-		68	-
18	218		42	-		69	-
19	167		43	-		70	-
20	42		44	-			
21	-		45	-			
22	-		46	-			
23	-		47	-			
24	-		48	-			
25	134		49	434			
26	407		50	-			
27	167		51	685			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# Illinois

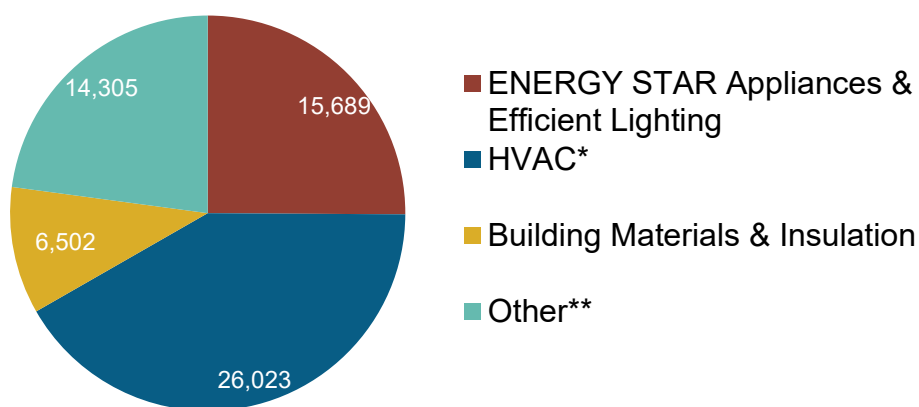
## Energy Efficiency Jobs in America

86,916  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

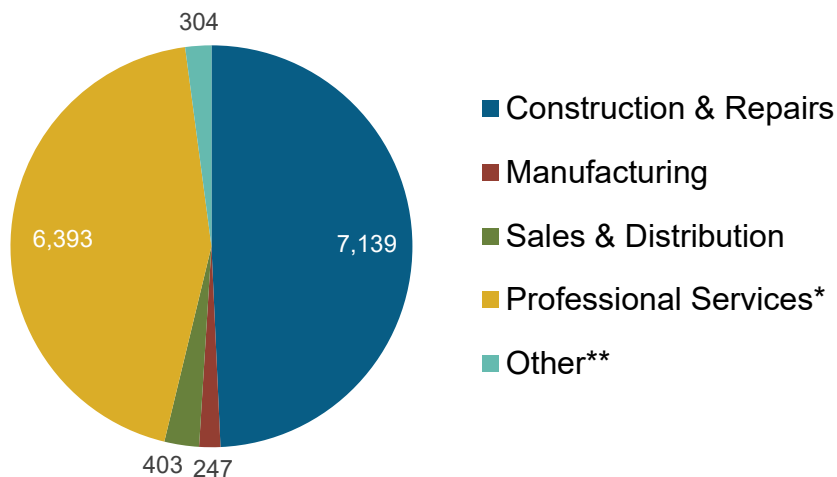
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Illinois,  
EE Jobs  
Comprise:

**19%**  
of All  
Construction Jobs

**30%**  
of All  
Energy Sector Jobs

**6%**  
of Illinois residents  
employed in EE are  
Veterans

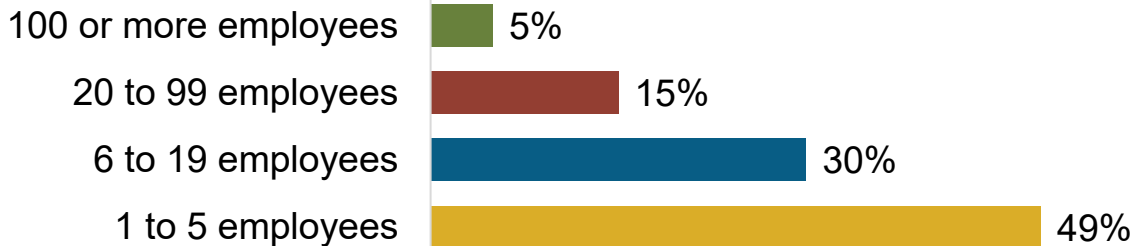
Presented by:



Good for the Economy.  
Good for the Environment.

# 14,486 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,121	Bloomington-Normal	921
2	2,086	Cape Girardeau-Jackson	7
3	3,961	Champaign-Urbana	1,424
4	4,059	Chicago-Naperville-Joliet	60,561
5	7,321	Danville	511
6	10,558	Davenport-Moline-Rock Isl.	1,335
7	11,047	Decatur	715
8	3,007	Kankakee-Bradley	592
9	4,249	Peoria	2,621
10	4,287	Rockford	2,265
11	2,794	Springfield	1,711
12	5,189	St. Louis	4,399
13	5,330	Rural	9,853
14	2,771		
15	3,608		
16	4,738		
17	4,322		
18	2,470		



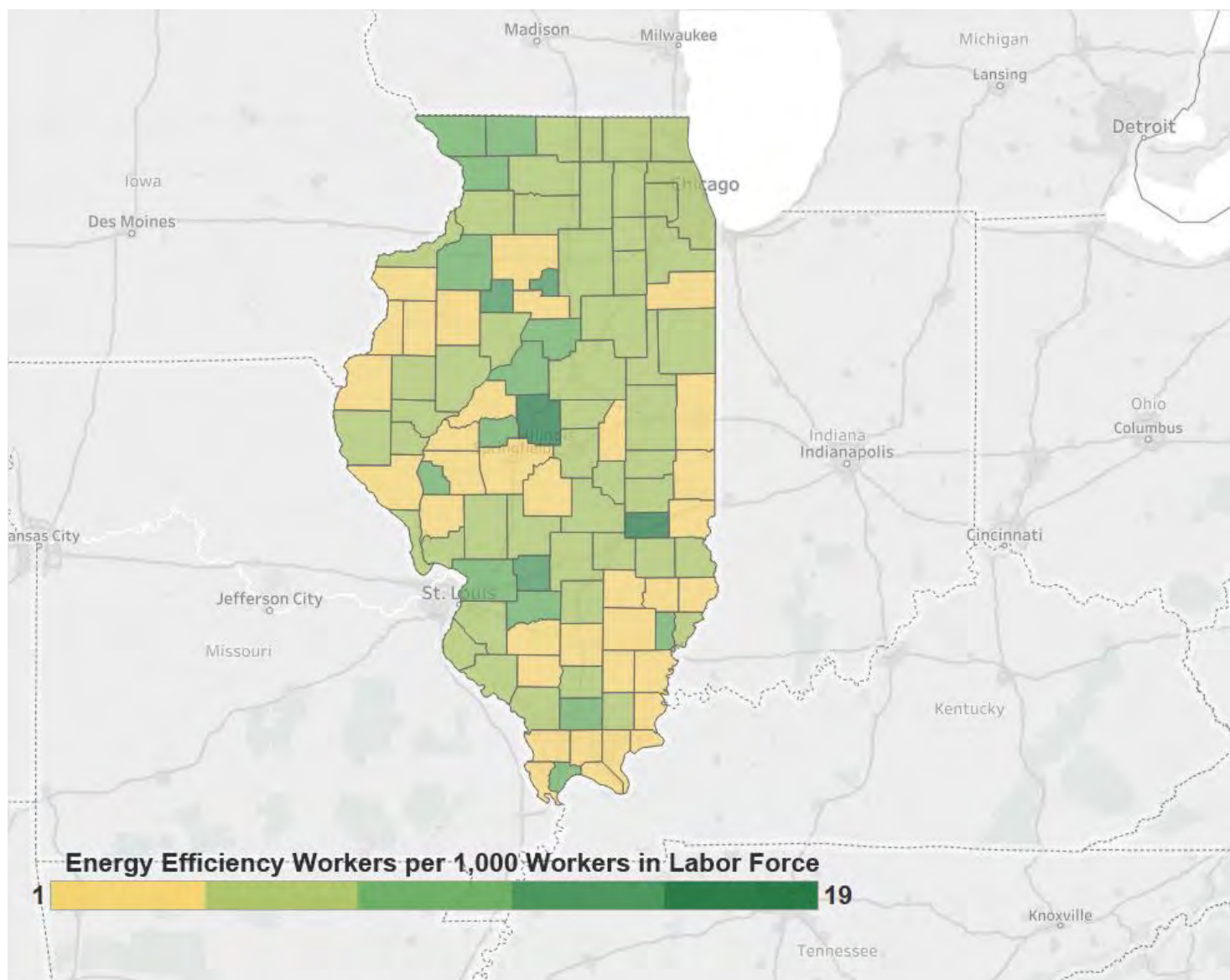
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,336		16	547		31	748		46	782
2	2,118		17	494		32	926		47	1,160
3	11,126		18	185		33	384		48	2,364
4	2,514		19	1,491		34	1,925		49	103
5	601		20	-		35	775		50	803
6	1,366		21	3,351		36	1,544		51	1,824
7	632		22	2,746		37	2,402		52	982
8	2,791		23	3,958		38	1,647		53	556
9	2,732		24	2,148		39	387		54	1,852
10	1,006		25	2,867		40	213		55	1,346
11	288		26	3,777		41	611		56	865
12	254		27	2,508		42	7		57	669
13	137		28	-		43	652		58	1,309
14	2,053		29	1,059		44	2,365		59	1,029
15	1,441		30	350		45	810			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	876		32	-		60	158		91	268
2	461		33	-		61	521		92	515
3	1,222		34	494		62	226		93	535
4	896		35	185		63	878		94	624
5	7,854		36	-		64	48		95	1,133
6	3,272		37	1,299		65	384		96	1,231
7	1,997		38	192		66	-		97	103
8	517		39	-		67	1,294		98	-
9	601		40	-		68	631		99	309
10	-		41	1,944		69	322		100	494
11	1,085		42	1,407		70	453		101	748
12	281		43	1,848		71	1,208		102	1,076
13	426		44	899		72	336		103	502
14	206		45	2,601		73	1,696		104	480
15	2,454		46	1,357		74	707		105	151
16	336		47	2,148		75	1,173		106	405
17	2,252		48	-		76	473		107	763
18	480		49	1,577		77	7		108	1,089
19	261		50	1,290		78	381		109	858
20	745		51	2,677		79	213		110	488
21	69		52	1,100		80	-		111	405
22	220		53	1,325		81	446		112	460
23	254		54	1,182		82	165		113	487
24	-		55	-		83	-		114	182
25	137		56	-		84	7		115	835
26	-		57	-		85	240		116	473
27	1,514		58	1,059		86	412		117	666
28	539		59	192		87	1,458		118	364
29	1,262			-		88	908			
30	178			-		89	720			
31	547			494		90	89			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Indiana

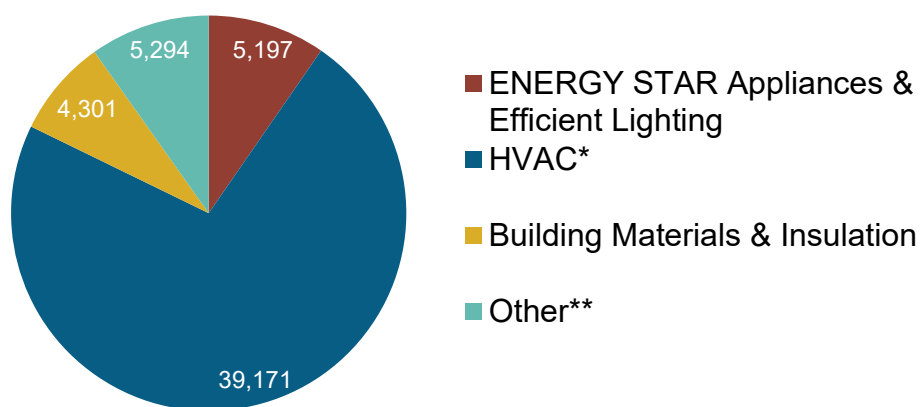
## Energy Efficiency Jobs in America

53,963  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

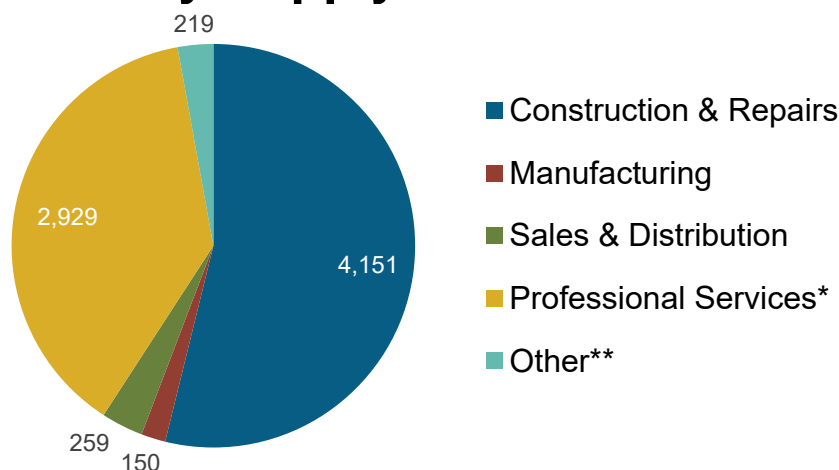
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Indiana,  
EE Jobs  
Comprise:

**23%**  
of All  
Construction Jobs

**20%**  
of All  
Energy Sector Jobs

**9%**  
of Indiana residents  
employed in EE are  
**Veterans**

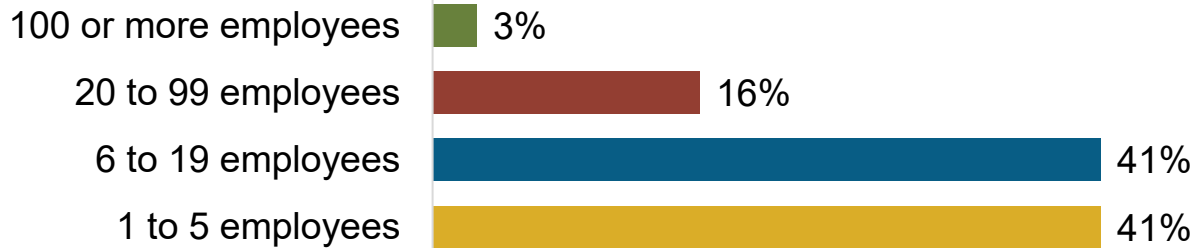
Presented by:



Good for the Economy.  
Good for the Environment.

# 7,709 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,859	Anderson	783
2	6,944	Bloomington	1,408
3	6,076	Chicago-Naperville-Joliet	5,798
4	5,874	Cincinnati-Middletown	523
5	8,052	Columbus	836
6	5,865	Elkhart-Goshen	1,721
7	4,705	Evansville	2,807
8	6,892	Fort Wayne	3,520
9	3,696	Indianapolis-Carmel	16,422
		Kokomo	862
		Lafayette	1,365
		Louisville/Jefferson County	1,827
		Michigan City-La Porte	783
		Muncie	678
		South Bend-Mishawaka	2,464
		Terre Haute	1,283
		Rural	10,884



## State Upper House

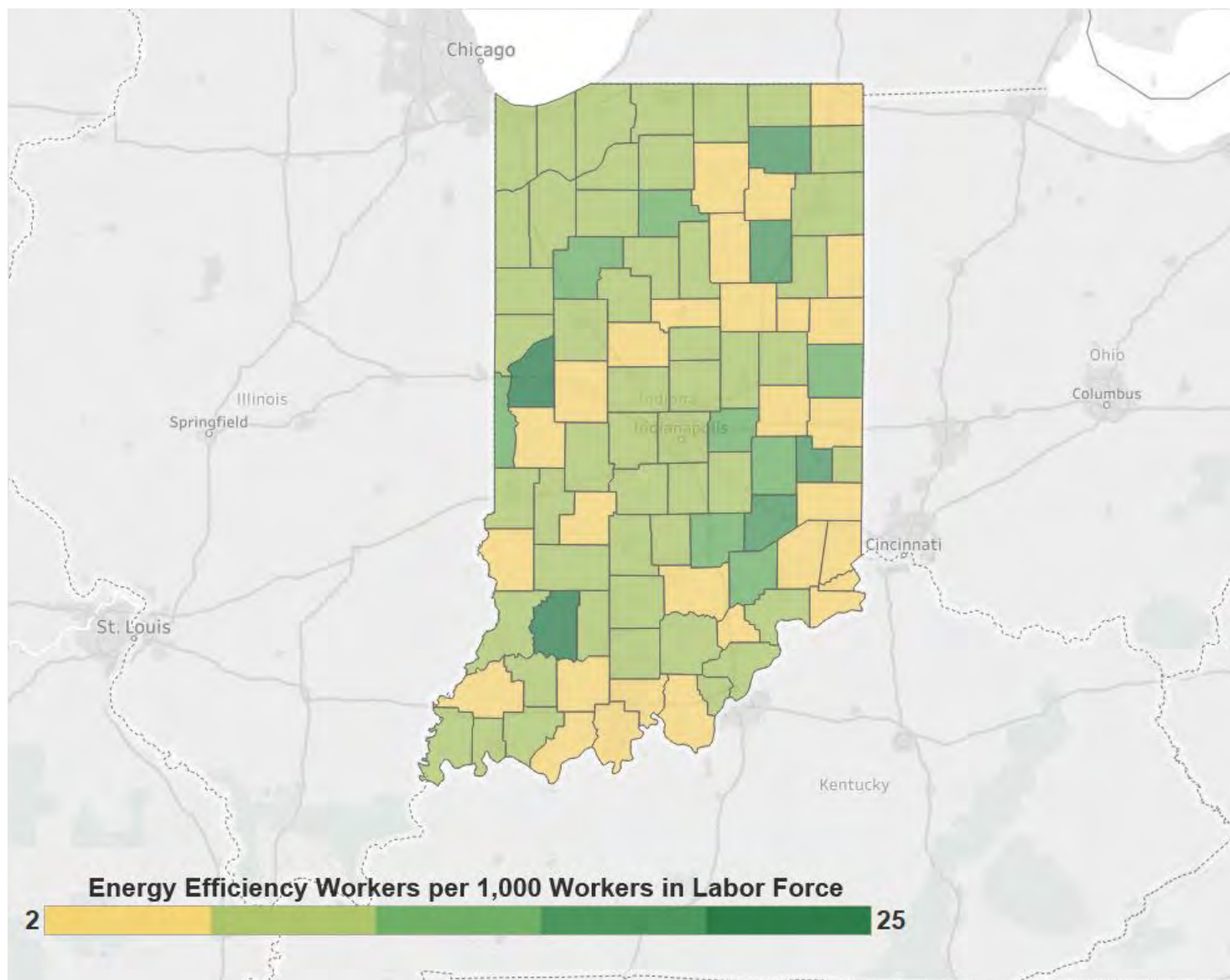
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,836		16	832		31	304		46	125
2	1,351		17	1,233		32	1,118		47	1,011
3	206		18	1,011		33	2,130		48	814
4	2,080		19	609		34	-		49	1,673
5	600		20	2,495		35	863		50	555
6	456		21	474		36	1,002			
7	2,288		22	89		37	823			
8	958		23	1,163		38	884			
9	2,310		24	1,130		39	1,963			
10	1,271		25	1,171		40	519			
11	680		26	555		41	913			
12	314		27	1,105		42	492			
13	1,494		28	1,778		43	966			
14	1,826		29	1,217		44	331			
15	707		30	2,635		45	1,602			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	510		28	1,121		52	1,441		79	277
2	465		29	1,083		53	474		80	331
3	349		30	430		54	421		81	188
4	1,635		31	573		55	591		82	286
5	1,092		32	251		56	479		83	81
6	1,154		33	367		57	1,477		84	421
7	492		34	125		58	-		85	89
8	841		32	224		59	277		86	922
9	-		33	518		60	456		87	248
10	260		34	1,147		61	233		88	206
11	805		35	54		62	242		89	1,118
12	483		36	1,237		63	719		90	-
13	1,401		37	143		64	1,208		91	634
14	564		38	27		65	304		92	385
15	-		39	586		66	573		93	-
16	617		40	603		67	697		94	54
17	456		41	716		68	107		95	295
18	1,132		42	716		69	54		96	2,192
19	-		43	555		70	1,047		97	224
20	36		44	1,231		71	403		98	-
21	1,253		45	72		72	-		99	-
22	425		46	135		73	197		100	-
23	743		47	1,691		74	358			
24	2,589		48	671		75	438			
25	501		49	1,121		76	251			
26	18		50	1,083		77	993			
27	479		51	430		78	-			



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Iowa

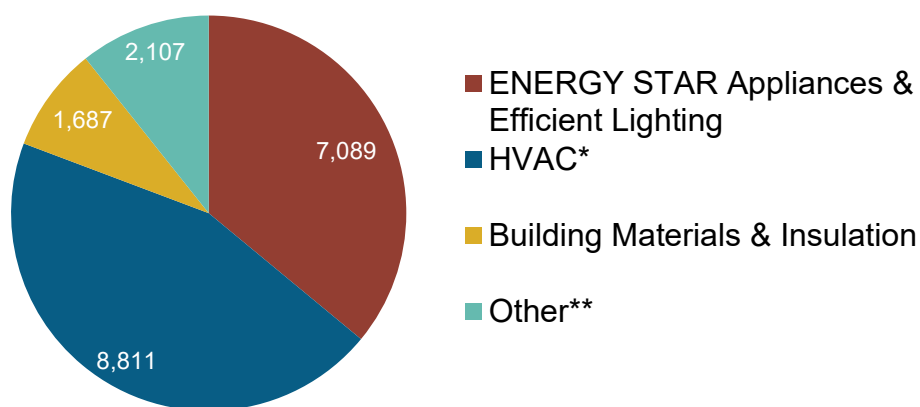
## Energy Efficiency Jobs in America

19,694  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

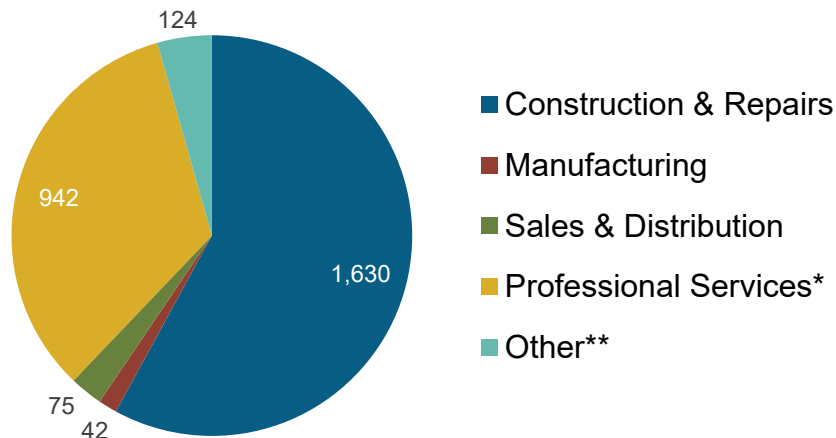
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Iowa,  
EE Jobs  
Comprise:

**16%**  
of All  
Construction Jobs

**23%**  
of All  
Energy Sector Jobs

**8%**  
of Iowa residents  
employed in EE are  
Veterans

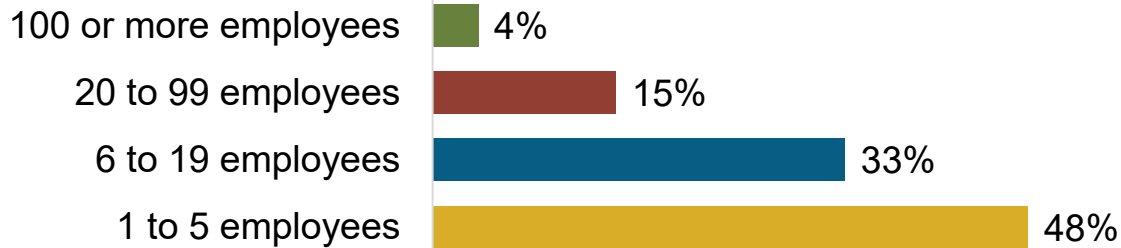
Presented by:



Good for the Economy.  
Good for the Environment.

# 2,813 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,170	Ames	520
2	4,237	Cedar Rapids	1,687
3	5,231	Davenport-Moline-Rock Island	1,005
4	5,056	Des Moines-W. Des Moines	4,036
		Dubuque	562
		Iowa City	929
		Omaha-Council Bluffs	697
		Sioux City	603
		Waterloo-Cedar Falls	941
		Rural	8,714

**I help lower the energy burden for citizens in need.**

Tony Wernke, Operation:  
New View Community Action  
Agency, Dubuque, IA

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS

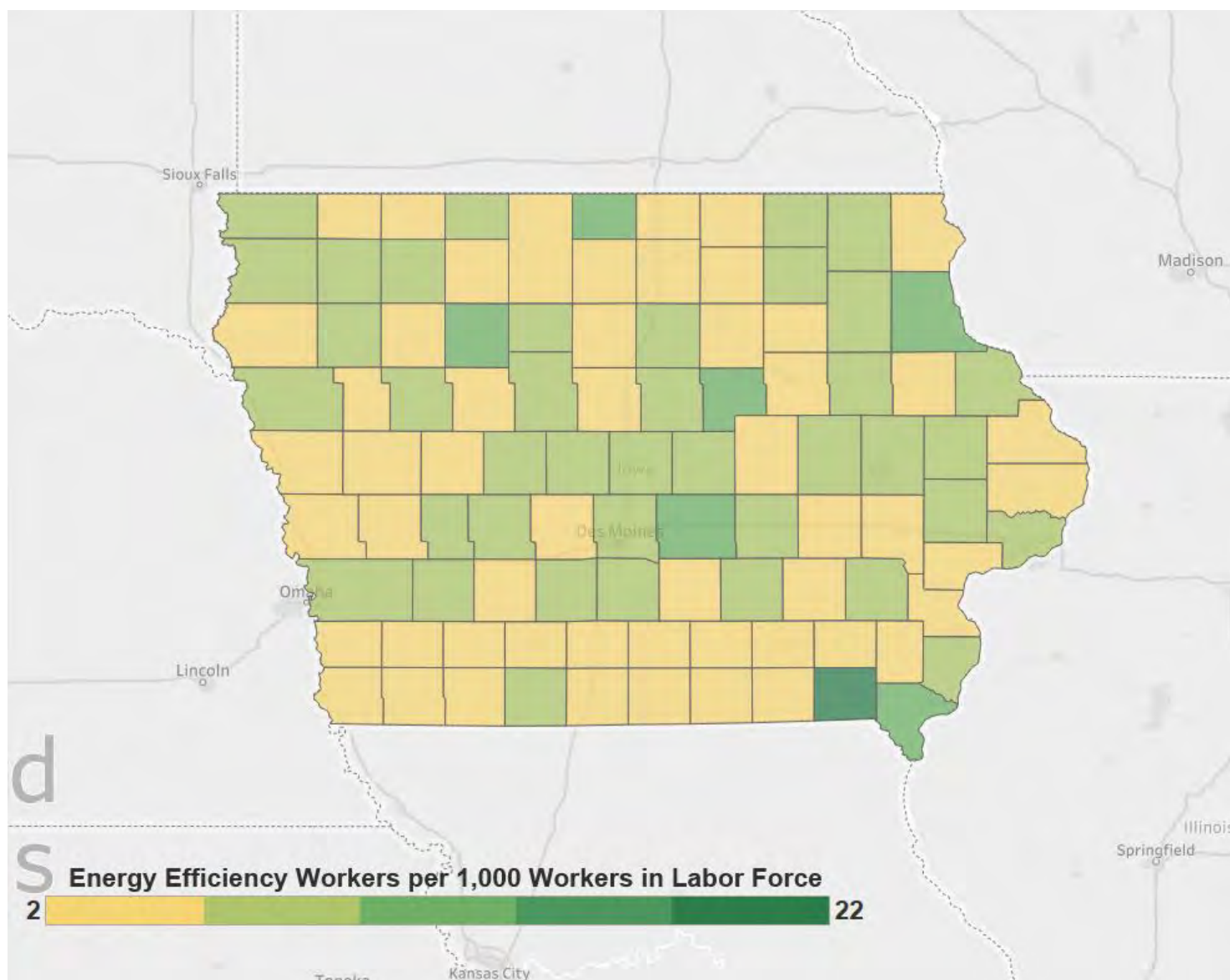
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	694		14	544		27	120		40	323
2	438		15	465		28	344		41	276
3	657		16	882		29	895		42	292
4	495		17	182		30	297		43	5
5	371		18	735		31	198		44	438
6	612		19	146		32	360		45	448
7	52		20	-		33	1,179		46	292
8	310		21	214		34	182		47	255
9	354		22	68		35	73		48	125
10	1,340		23	438		36	350		49	240
11	263		24	313		37	909		50	-
12	250		25	563		38	361			
13	271		26	856		39	219			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	396		27	120		53	-		79	78
2	298		28	424		54	120		80	245
3	255		29	31		55	177		81	89
4	182		30	434		56	167		82	188
5	156		31	74		57	579		83	167
6	500		32	808		58	317		84	125
7	318		33	104		59	-		85	5
8	177		34	78		60	297		86	-
9	241		35	308		61	198		87	188
10	130		36	427		62	-		88	250
11	156		37	146		63	167		89	276
12	455		38	-		64	193		90	172
13	52		39	-		65	980		91	21
14	-		40	-		66	199		92	271
15	310		41	-		67	167		93	235
16	-		42	214		68	16		94	21
17	188		43	68		69	73		95	36
18	167		44	-		70	-		96	89
19	1,084		45	427		71	256		97	235
20	255		46	10		72	94		98	5
21	211		47	203		73	589		99	-
22	52		48	109		74	320		100	-
23	104		49	89		75	246			
24	146		50	474		76	115			
25	198		51	334		77	73			
26	73		52	522		78	146			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Kansas

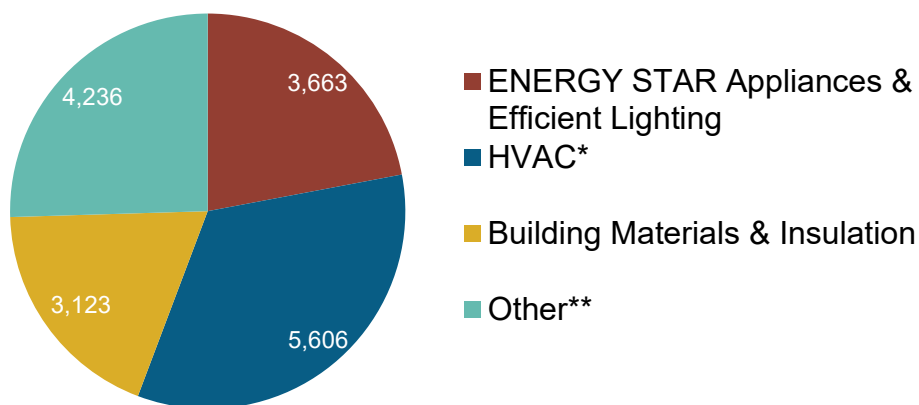
## Energy Efficiency Jobs in America

16,628  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

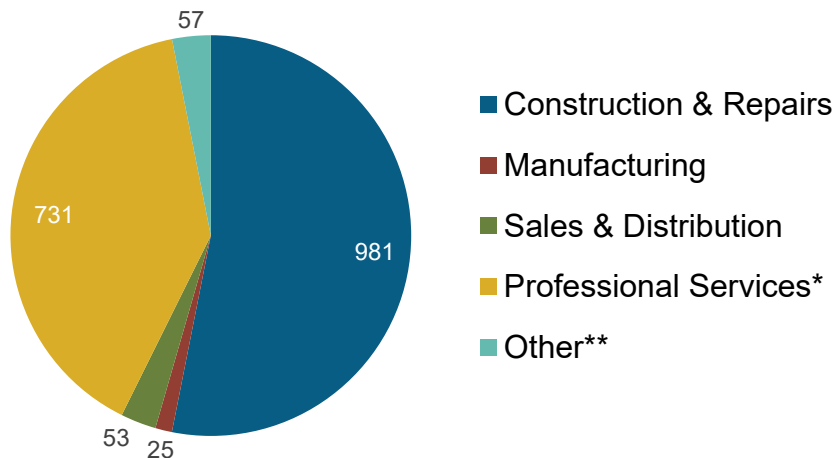
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Kansas,  
EE Jobs  
Comprise:

12%  
of All  
Construction Jobs

20%  
of All  
Energy Sector Jobs

13%  
of Kansas residents  
employed in EE are  
Veterans

Presented by:

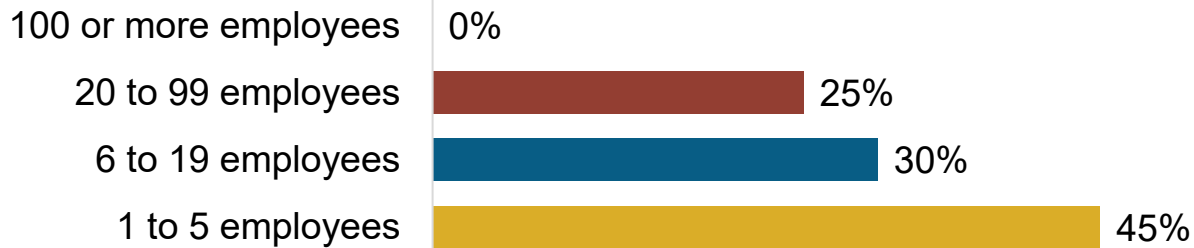


Good for the Economy.  
Good for the Environment.



# 1,848 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,996	Kansas City	5,053
2	3,495	Lawrence	631
3	4,310	Manhattan	592
4	3,826	St. Joseph	37
		Topeka	1,275
		Wichita	3,580
		Rural	5,459

**We create jobs that benefit local economies.**

Jackson Swearer,  
Interfaith Housing Services,  
Hutchinson, KS

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS



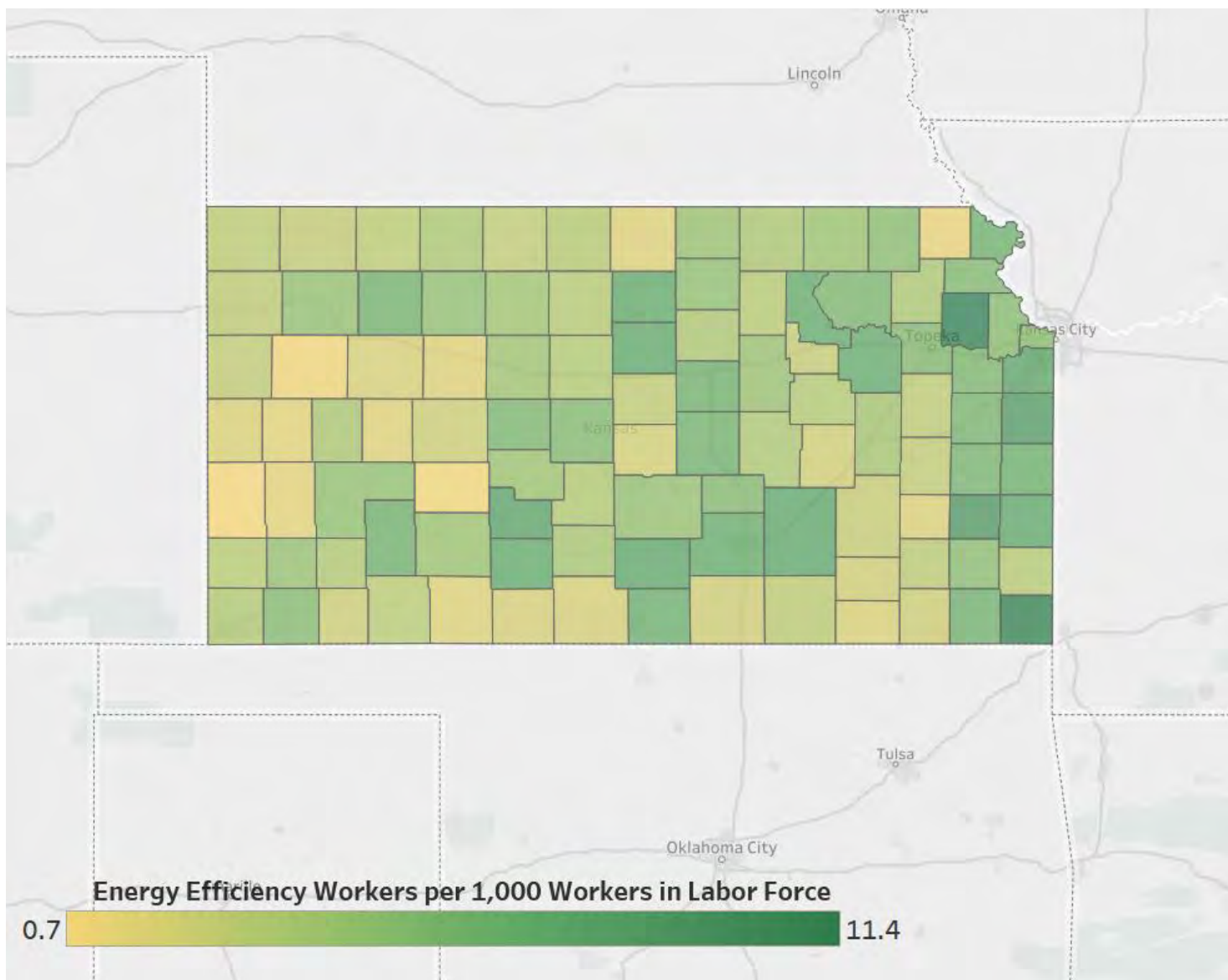
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	852		14	854		27	130		40	654
2	643		15	157		28	65			
3	330		16	723		29	803			
4	324		17	330		30	-			
5	43		18	714		31	92			
6	573		19	308		32	292			
7	686		20	27		33	767			
8	1,241		21	32		34	353			
9	843		22	216		35	340			
10	158		23	-		36	367			
11	443		24	444		37	65			
12	498		25	956		38	362			
13	335		26	324		39	286			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	265		33	173		65	5		97	-
2	259		34	27		66	5		98	-
3	-		35	-		67	-		99	-
4	66		36	-		68	43		100	-
5	243		37	-		69	396		101	348
6	92		38	205		70	65		102	-
7	162		39	16		71	-		103	-
8	454		40	5		72	212		104	-
9	54		41	11		73	248		105	-
10	276		42	346		74	81		106	151
11	27		43	-		75	22		107	124
12	386		44	92		76	43		108	130
13	65		45	38		77	130		109	281
14	574		46	11		78	-		110	362
15	-		47	205		79	157		111	-
16	960		48	-		80	38		112	-
17	113		49	-		81	314		113	157
18	103		50	367		82	-		114	27
19	540		51	652		83	378		115	416
20	340		52	-		84	646		116	54
21	86		53	93		85	194		117	108
22	-		54	76		86	173		118	259
23	-		55	248		87	-		119	-
24	246		56	130		88	-		120	157
25	59		57	-		89	113		121	16
26	65		58	-		90	146		122	189
27	189		59	16		91	76		123	-
28	-		60	-		92	216		124	227
29	-		61	49		93	292		125	-
30	-		62	162		94	313			
31	187		63	38		95	-			
32	232		64	313		96	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Kentucky

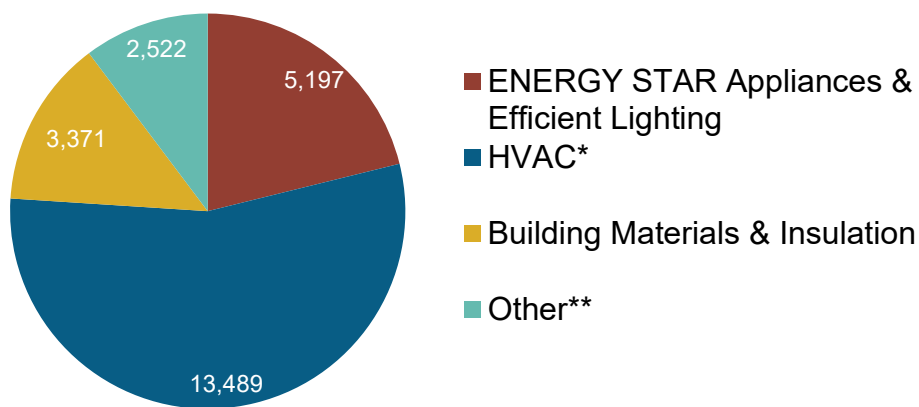
## Energy Efficiency Jobs in America

24,579  
Total Jobs

### What are EE Jobs?

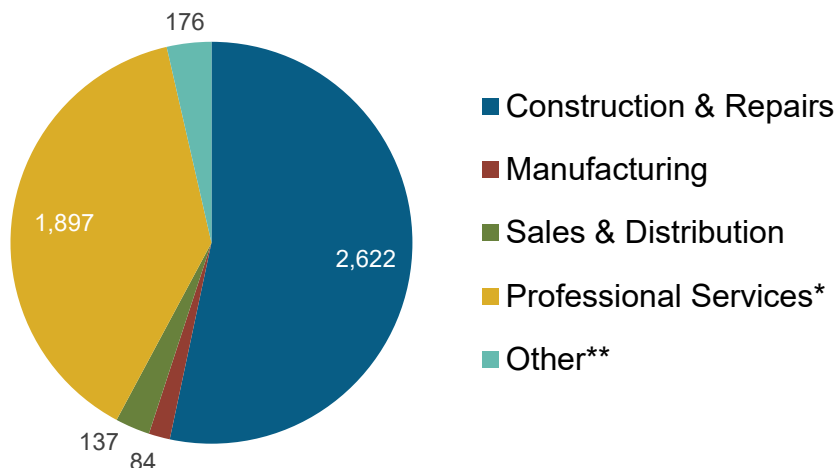
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In Kentucky,  
EE Jobs  
Comprise:

**15%**  
of All  
Construction Jobs

**16%**  
of All  
Energy Sector Jobs

**13%**  
of Kentucky residents  
employed in EE are  
Veterans

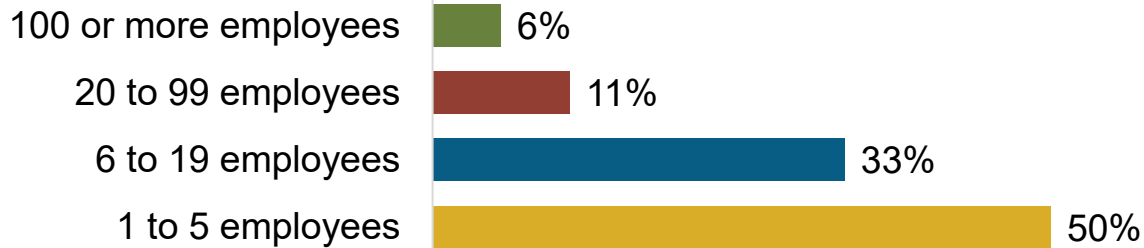
Presented by:



Good for the Economy.  
Good for the Environment.

# 4,916 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,499	Bowling Green	541
2	4,605	Cincinnati-Middletown	680
3	5,331	Clarksville	9,032
4	3,998	Elizabethtown	213
5	2,506	Evansville	855
6	3,639	Huntington-Ashland	996
		Lexington-Fayette	941
		Louisville/Jefferson County	511
		Owensboro	3,098
		Rural	3,261



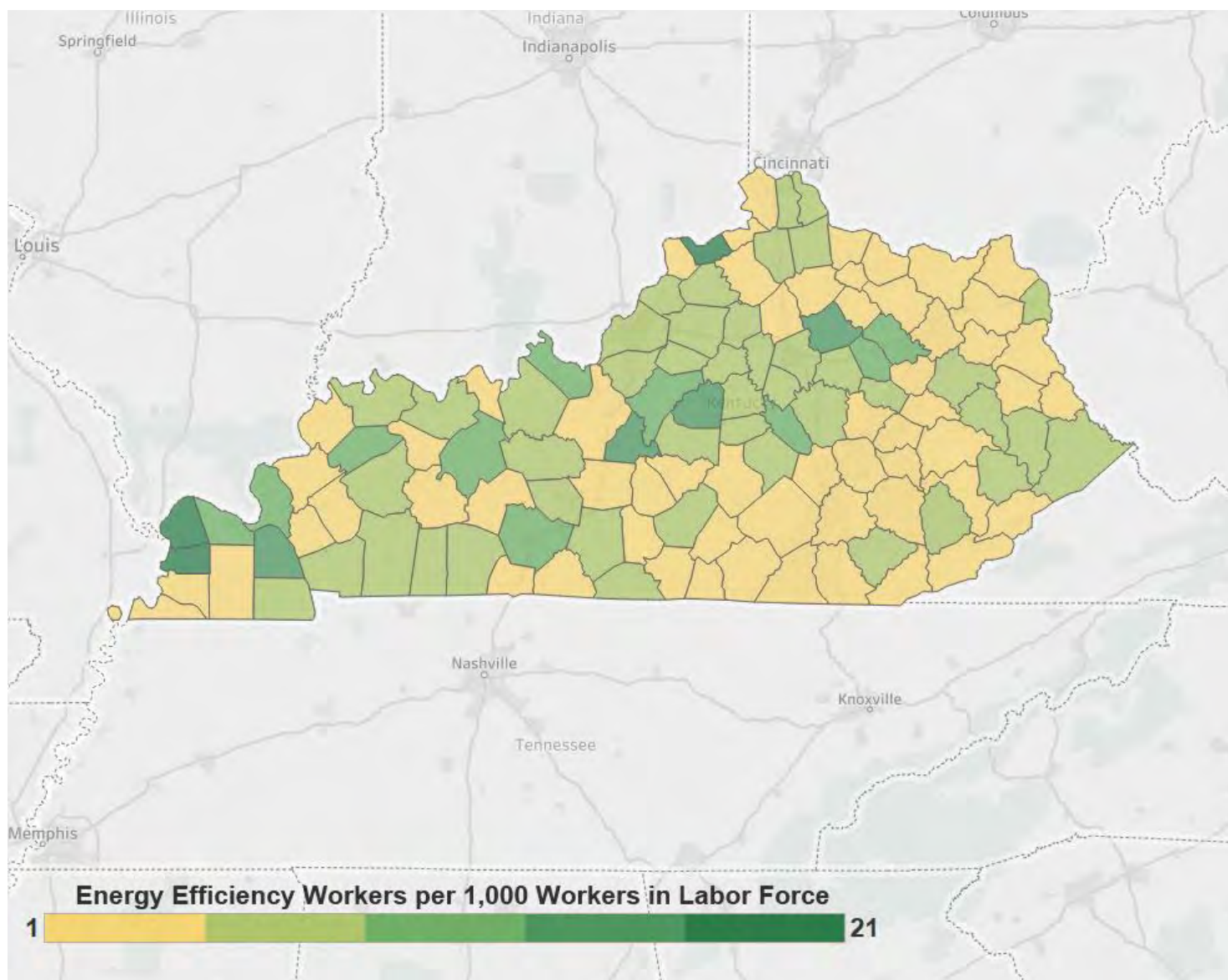
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	687		11	951		21	788		31	409
2	897		12	1,270		22	472		32	130
3	653		13	1,080		23	298		33	1,762
4	699		14	1,599		24	473		34	356
5	1,211		15	631		25	185		35	69
6	494		16	432		26	688		36	425
7	727		17	651		27	411		37	110
8	336		18	610		28	213		38	219
9	590		19	2,066		29	507			
10	631		20	631		30	219			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	849		28	309		52	603		79	-
2	484		29	790		53	274		80	34
3	-		30	761		54	219		81	-
4	391		31	475		55	261		82	295
5	86		32	832		56	285		83	89
6	110		33	439		57	-		84	240
7	905		34	295		58	41		85	192
8	27		35	144		59	27		86	48
9	226		36	21		60	692		87	62
10	843		37	27		61	418		88	-
11	-		38	137		62	14		89	14
12	34		39	790		63	776		90	55
13	-		40	123		64	158		91	117
14	110		41	1,536		65	14		92	336
15	117		42	-		66	-		93	69
16	836		43	-		67	233		94	48
17	363		44	-		68	27		95	199
18	34		45	295		69	-		96	226
19	55		46	-		70	288		97	137
20	-		47	679		71	520		98	384
21	199		48	144		72	583		99	59
22	62		49	62		73	213		100	-
23	254		50	226		74	89			
24	302		51	192		75	788			
25	-		28	309		76	302			
26	521		29	790		77	-			
27	69		30	761		78	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# Louisiana

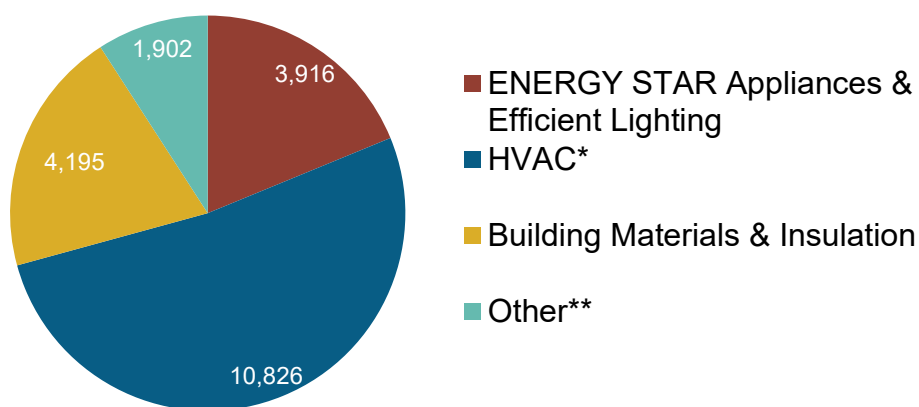
## Energy Efficiency Jobs in America

20,839  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

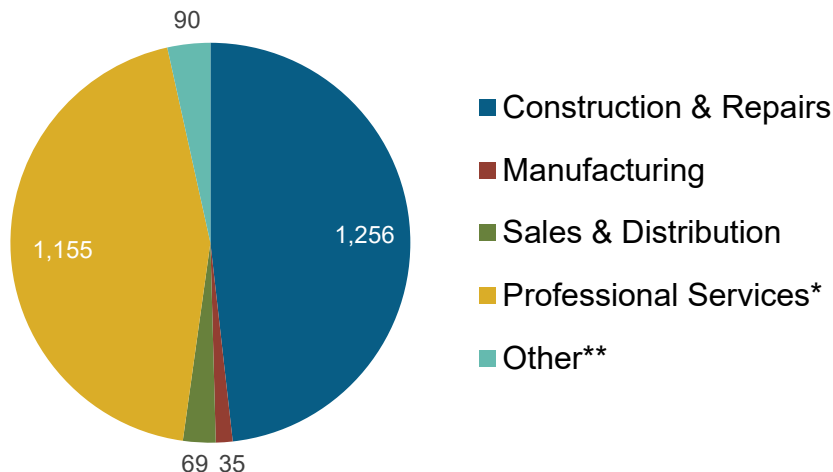
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Louisiana,  
EE Jobs  
Comprise:

**10%**  
of All  
Construction Jobs

**13%**  
of All  
Energy Sector Jobs

**15%**  
of Louisiana residents  
employed in EE are  
**Veterans**

Presented by:

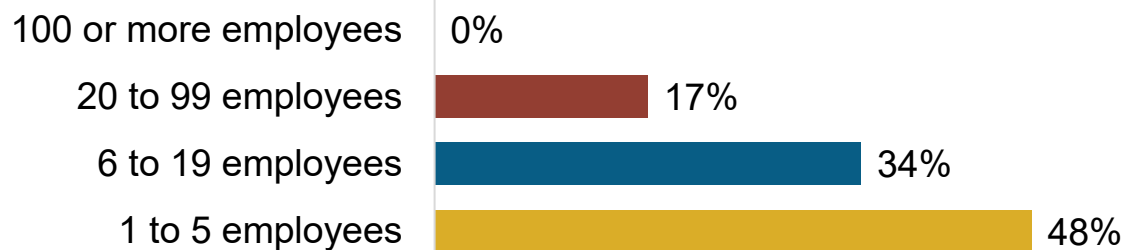


Good for the Economy.  
Good for the Environment.



# 2,605 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,857	Alexandria	657
2	3,862	Baton Rouge	4,026
3	3,740	Houma-Bayou Cane-Thibodaux	930
4	2,714	Lafayette	1,764
5	2,223	Lake Charles	857
6	2,444	Monroe	740
		New Orleans-Metairie-Kenner	6,883
		Shreveport-Bossier City	1,738
		Rural	3,244



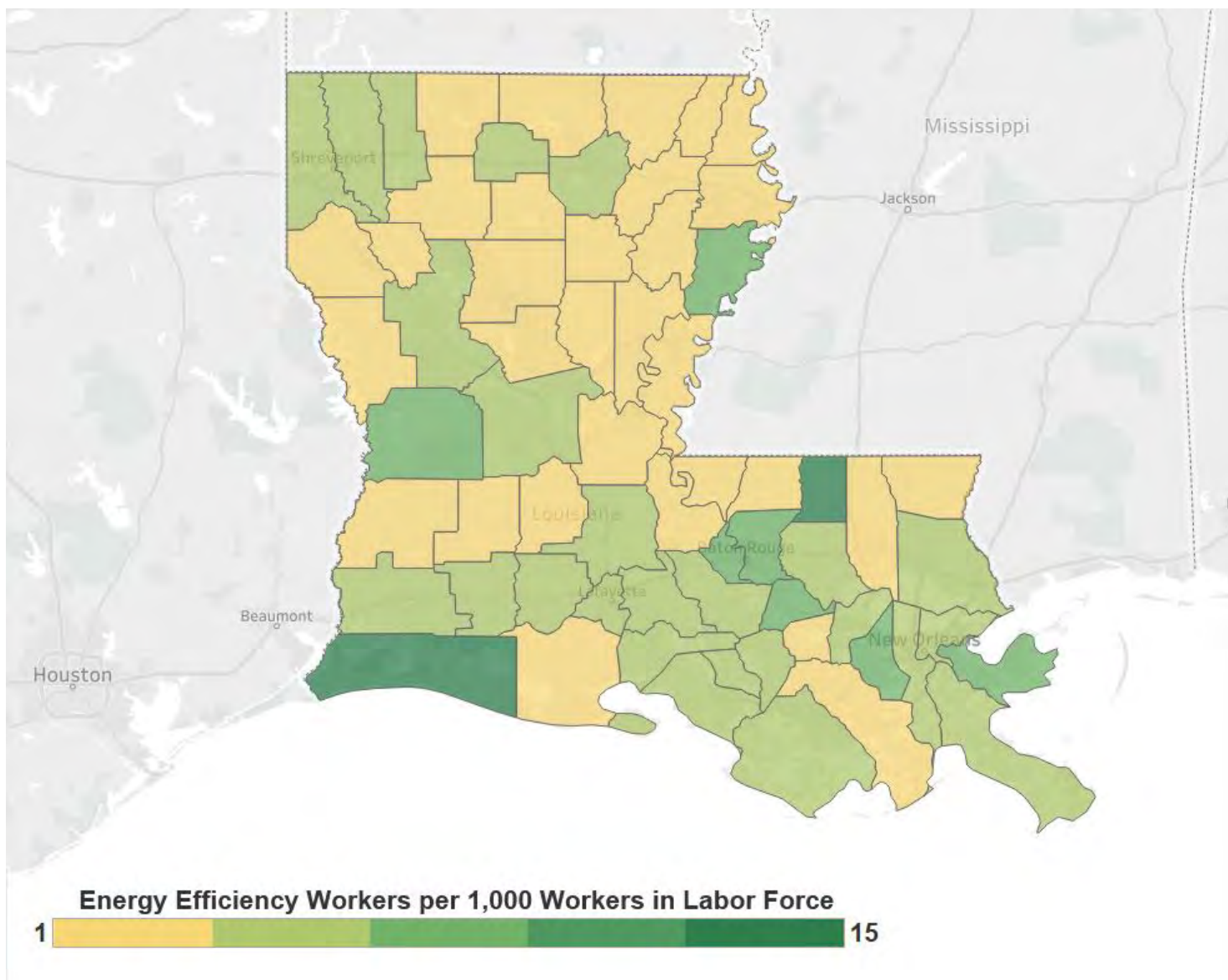
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	716		11	966		21	376		31	172
2	948		12	113		22	612		32	424
3	860		13	266		23	1,232		33	742
4	1,267		14	1,731		24	226		34	38
5	781		15	298		25	903		35	4
6	1,185		16	-		26	117		36	549
7	273		17	306		27	247		37	933
8	13		18	214		28	172		38	298
9	914		19	252		29	958		39	84
10	730		20	705		30	215			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	378		28	62		55	-		82	95
2	955		29	331		56	269		83	125
3	232		30	-		57	35		84	210
4	-		31	1,083		58	370		85	207
5	31		32	51		59	152		86	12
6	-		33	421		60	19		87	-
7	86		34	170		61	479		88	-
8	-		35	12		62	140		89	160
9	-		36	148		63	12		90	78
10	117		37	101		64	295		91	1,122
11	207		38	226		65	354		92	-
12	55		39	207		66	938		93	495
13	275		40	4		67	300		94	121
14	538		41	78		68	-		95	8
15	19		42	8		69	-		96	-
16	-		43	246		70	-		97	31
17	66		44	183		71	-		98	-
18	264		45	-		72	317		99	58
19	117		46	70		73	445		100	31
20	97		47	148		74	499		101	-
21	35		48	262		75	-		102	105
22	129		49	23		76	335		103	116
23	16		50	214		77	62		104	-
24	247		51	764		78	749			
25	503		52	39		79	117			
26	-		53	39		80	896			
27	62		54	74		81	94			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# MAINE

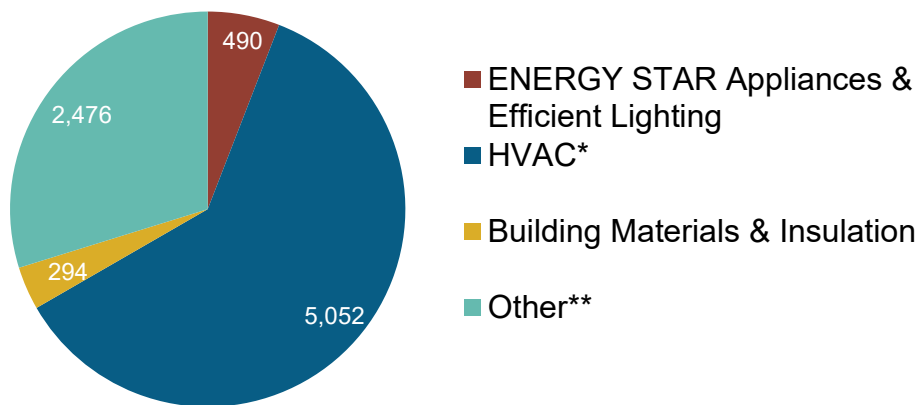
## Energy Efficiency Jobs in America

8,312  
Total Jobs

### What are EE Jobs?

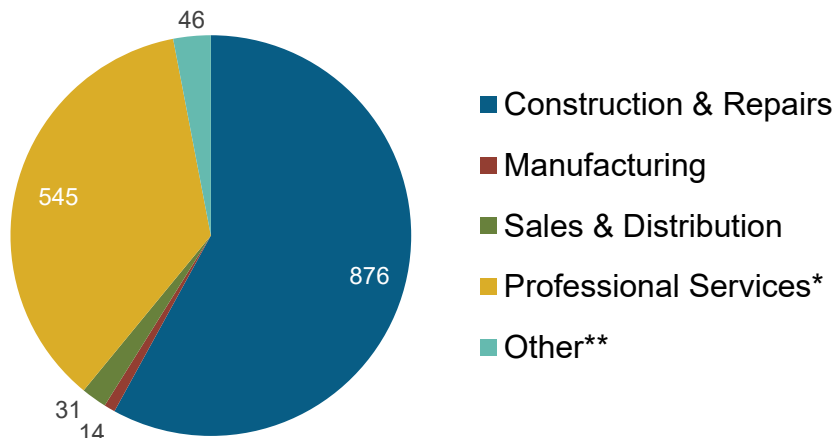
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In Maine,  
EE Jobs  
Comprise:

**20%**  
of All  
Construction Jobs

**35%**  
of All  
Energy Sector Jobs

**12%**  
of Maine residents  
employed in EE are  
Veterans

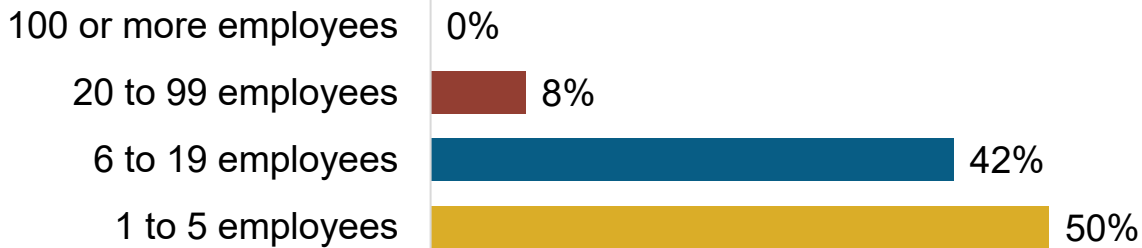
Presented by:



Good for the Economy.  
Good for the Environment.

# 1,511 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,851	Bangor	889
2	3,461	Lewiston-Auburn	538
		Portland- South Portland	3,624
		Rural	3,261

**I am an owner. We specialize in weatherizing mobile homes.**

Clyde Moody,  
Mainely Mobile,  
Winthrop, ME

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS

## State Upper House

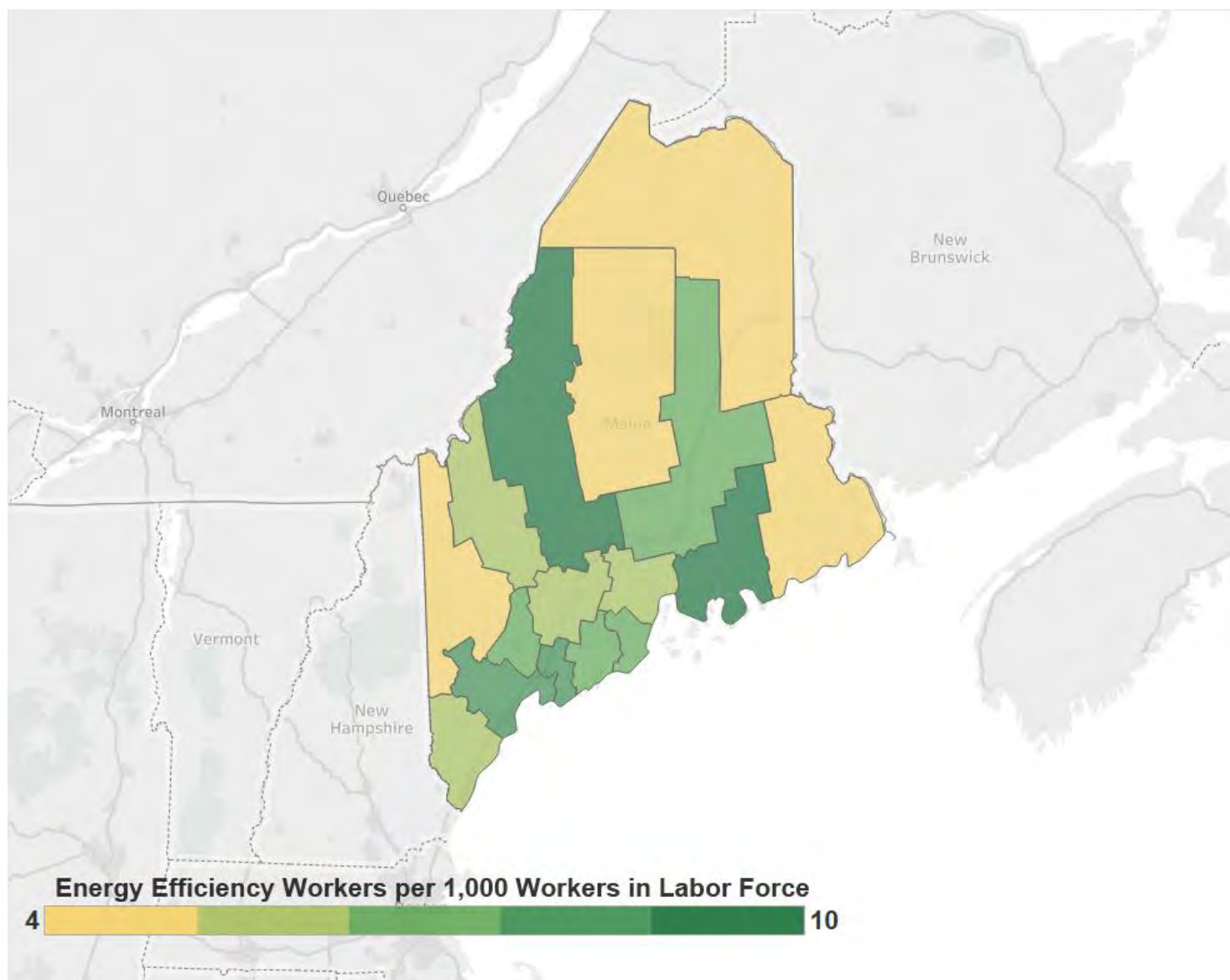
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	142		11	230		21	176		31	197
2	219		12	316		22	173		32	402
3	214		13	281		23	243		33	231
4	155		14	489		24	346		34	141
5	430		15	28		25	486		35	277
6	197		16	184		26	66			
7	425		17	173		27	588			
8	173		18	225		28	-			
9	51		19	206		29	349			
10	138		20	213		30	150			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	119		40	-		79	40		118	32
2	26		41	-		80	26		119	76
3	131		42	-		81	126		120	-
4	170		43	76		82	6		121	31
5	63		44	-		83	24		122	20
6	-		45	134		84	18		123	21
7	-		46	31		85	-		124	-
8	92		47	63		86	-		125	-
9	248		48	80		87	37		126	-
10	63		49	133		88	14		127	-
11	-		50	-		89	79		128	81
12	-		51	93		90	99		129	47
13	29		52	-		91	72		130	41
14	125		53	70		92	47		131	166
15	-		54	68		93	89		132	-
16	64		55	93		94	98		133	60
17	29		56	34		95	53		134	113
18	28		57	58		96	64		135	64
19	-		58	176		97	81		136	75
20	67		59	-		98	43		137	73
21	18		60	-		99	23		138	32
22	69		61	-		100	61		139	35
23	47		62	134		101	391		140	48
24	154		63	-		102	66		141	46
25	-		64	15		103	-		142	-
26	105		65	52		104	41		143	8
27	281		66	23		105	28		144	78
28	136		67	-		106	38		145	17
29	-		68	53		107	67		146	60
30	37		69	78		108	63		147	63
31	-		70	64		109	-		148	28
32	-		71	35		110	-		149	-
33	-		72	40		111	5		150	58
34	-		73	52		112	111		151	6
35	-		74	38		113	42		152	-
36	261		75	50		114	2		153	-
37	-		76	71		115	28			
38	321		77	258		116	17			
39	6		78	118		117	56			



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# MARYLAND

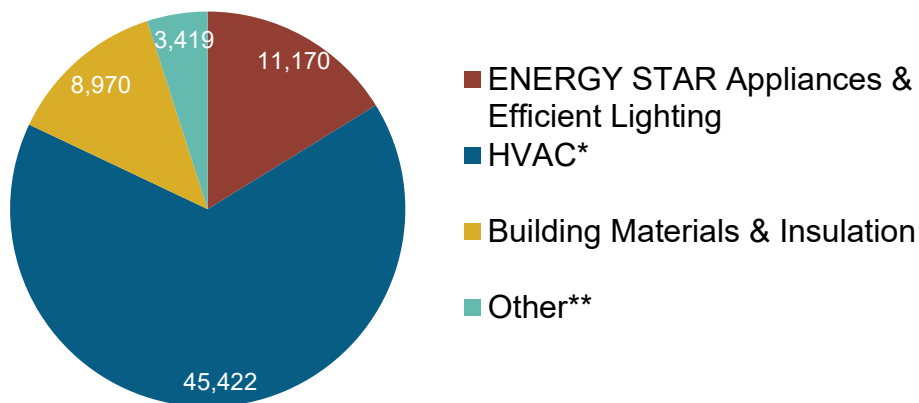
## Energy Efficiency Jobs in America

68,981  
Total Jobs

### What are EE Jobs?

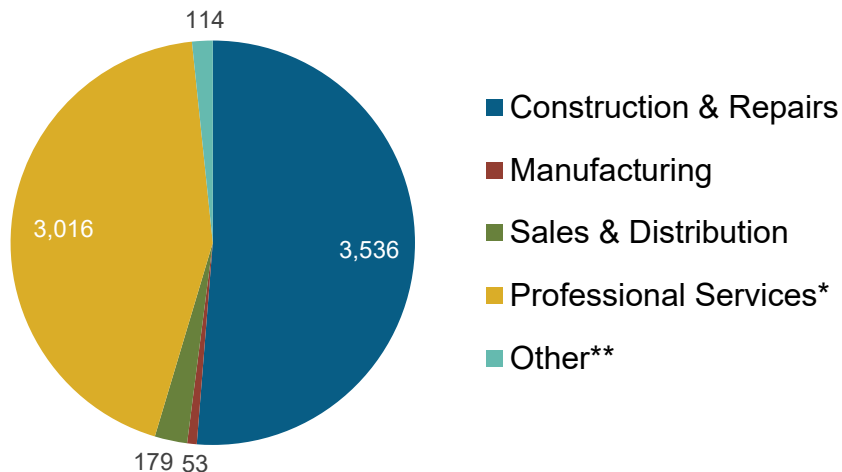
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In Maryland,  
EE Jobs  
Comprise:

**31%**  
of All  
Construction Jobs

**54%**  
of All  
Energy Sector Jobs

**8%**  
of Maryland residents  
employed in EE are  
**Veterans**

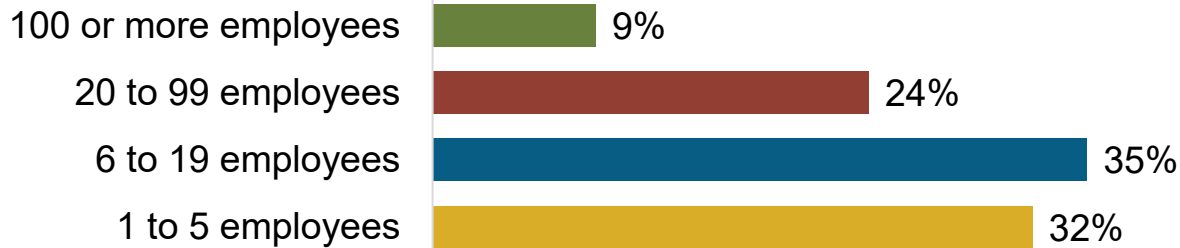
Presented by:



Good for the Economy.  
Good for the Environment.

# 6,898 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	13,327	Baltimore-Towson	31,917
2	11,708	Cumberland	698
3	13,171	Hagerstown-Martinsburg	1,606
4	6,217	Philadelphia-Camden-Wilmington	1,421
5	4,755	Salisbury	1,229
6	12,540	Washington-Arlington-Alexandria	27,627
7	1,730	Rural	4,482
8	5,533		

**I manage a company that increases efficiency in existing homes.**

Michelle Griffith,  
Devere Home Performance,  
Glen Burnie, MD

Energy efficiency:  
America's  
Job-creation  
powerhouse

**Faces of EE JOBS**

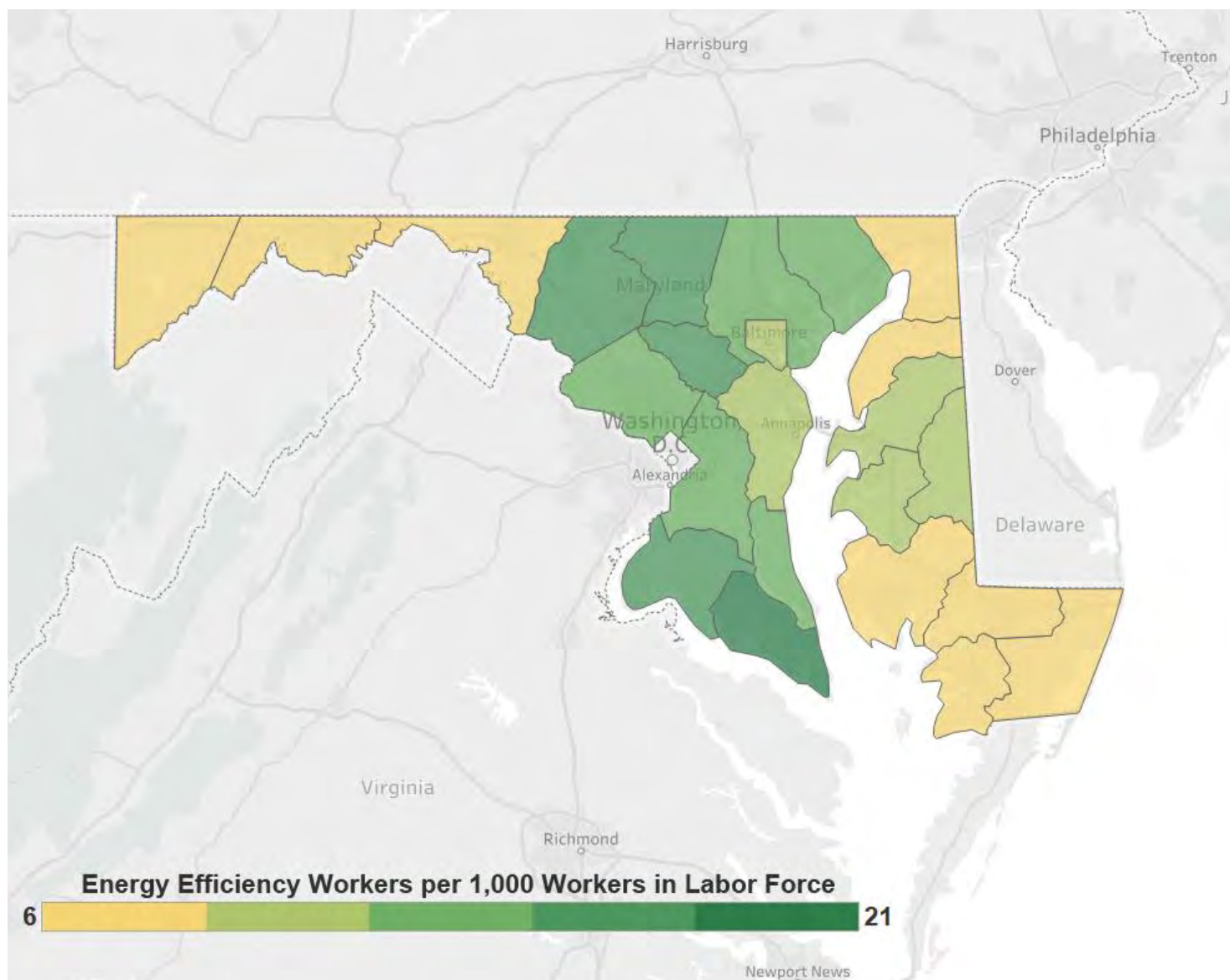
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,235		15	4,227		29	753		43	271
2	634		16	3,552		30	2,828		44	-
3	2,862		17	2,226		31	2,674		45	238
4	2,166		18	1,334		32	40		46	-
5	1,624		19	185		33	357		47	132
6	1,926		20	878		34	598			
7	2,892		21	2,087		35	861			
8	974		22	2,039		36	1,740			
9	2,807		23	990		37	2,447			
10	1,981		24	730		38	1,028			
11	3,356		25	687		39	-			
12	2,100		26	370		40	4,270			
13	1,162		27	1,030		41	-			
14	2,278		28	1,256		42	158			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
4	5,094		22	2,039		03B	13		37B	1,149
5	1,624		24	730		09A	79		38A	460
6	1,926		25	1,268		23A	198		38B	132
7	2,892		26	370		23B	211		38C	436
8	974		28	1,282		27A	79		42A	13
10	2,186		32	1,274		27B	423		42B	145
11	3,356		33	2,986		27C	502		47A	132
12	4,088		36	2,337		29A	264			
13	1,591		40	4,270		29B	462			
14	2,384		43	271		29C	26			
15	4,227		45	238		30A	317			
16	3,552		46	304		30B	264			
17	2,226		01A	1,017		31A	753			
18	1,334		01B	26		34A	598			
19	185		01C	1,191		35A	158			
20	878		02A	291		35B	106			
21	2,087		03A	264		37A	1,298			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# MASSACHUSETTS

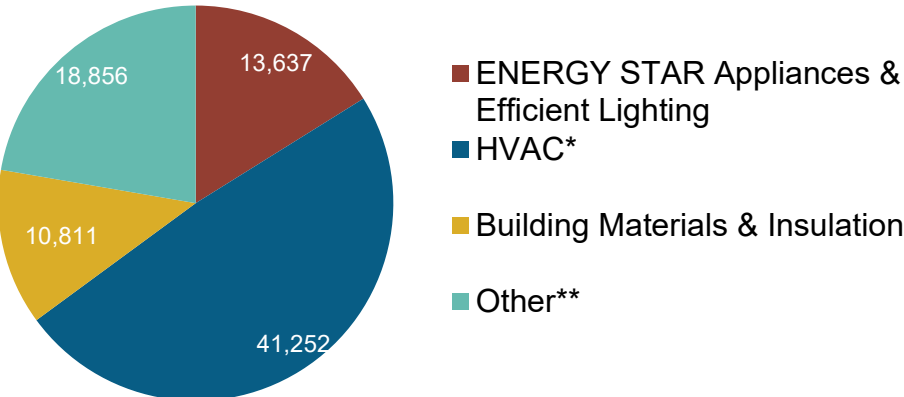
## Energy Efficiency Jobs in America

84,556  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

**In Massachusetts,  
EE Jobs  
Comprise:**

**24%**  
of All  
Construction Jobs

**47%**  
of All  
Energy Sector Jobs

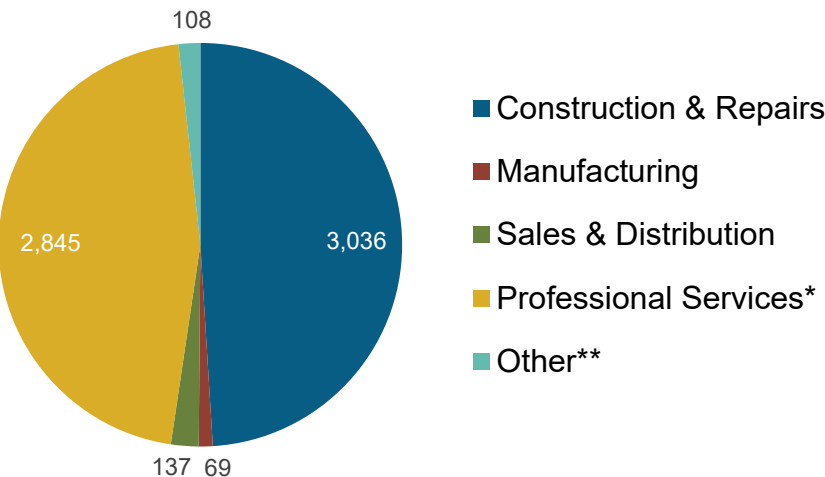
**10%**  
of Massachusetts  
residents employed in  
EE are **Veterans**

Presented by:



Good for the Economy.  
Good for the Environment.

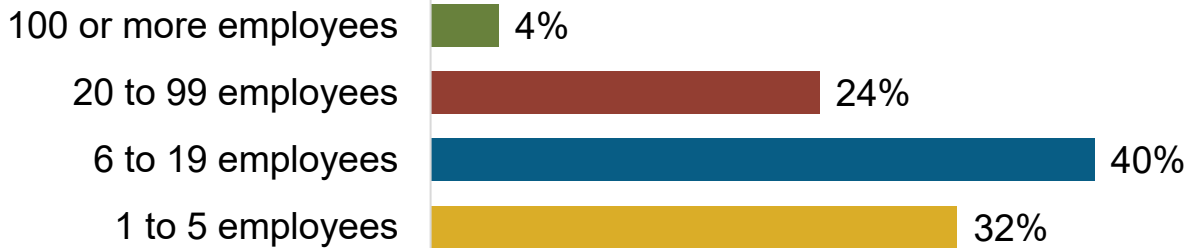
### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

# 6,195 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

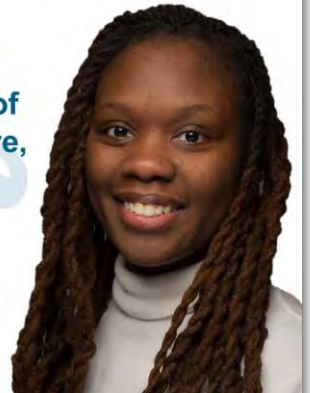
Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	7,517	Barnstable Town	3,855
2	8,156	Boston-Cambridge-Quincy	58,387
3	8,644	Pittsfield	1,710
4	10,686	Providence-New Bedford-Fall River	5,364
5	10,049	Springfield	6,992
6	10,567	Worcester	7,642
7	8,995	Rural	607
8	10,937		
9	9,005		

We strive to create plans [with] a sense of community, care, EE, & place.

Perla Durandis,  
ICON Architecture, Inc.,  
Brockton, MA

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
EE  
JOBS



## State Upper House

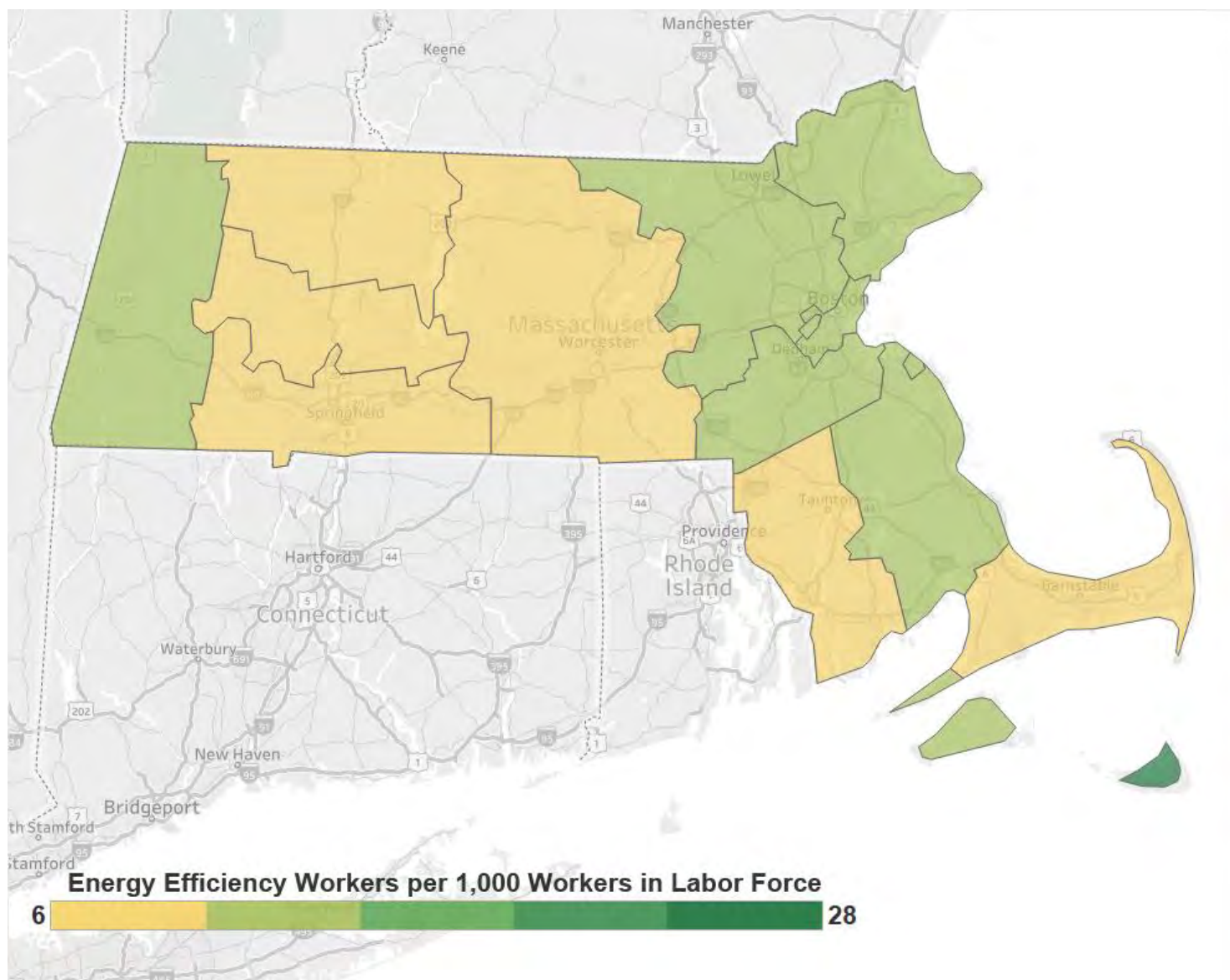
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,594		12	1,030		23	1,030		34	1,825
2	2,488		13	1,769		24	1,256		35	1,193
3	2,151		14	3,738		25	753		36	2,171
4	2,190		15	2,841		26	2,828		37	1,585
5	994		16	3,485		27	2,674		38	1,330
6	1,823		17	2,645		28	40		39	2,451
7	1,161		18	1,996		29	357		40	2,949
8	1,336		19	2,384		30	598			
9	1,427		20	2,407		31	861			
10	2,621		21	2,977		32	1,740			
11	1,124		22	969		33	2,447			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
60	1,542		101	510		143	917		189	32
61	265		102	693		144	184		190	76
62	744		103	479		145	612		192	-
63	530		104	357		147	197		193	31
64	1,009		105	357		148	234		200	20
65	1,009		106	235		149	173		201	21
66	602		107	877		153	443		203	-
68	606		108	367		154	551		204	-
69	765		109	70		155	318		206	-
70	387		110	173		156	1,167		207	-
71	961		111	958		157	1,616		208	81
72	449		114	235		159	530		209	47
73	133		115	838		160	540		210	41
74	1,024		116	276		161	530		211	166
75	41		117	-		162	1,040		212	-
76	545		118	540		164	449		213	60
77	622		119	1,288		165	656		214	113
78	436		120	521		166	568		215	64
79	51		121	1,560		167	744		216	75
80	501		122	1,153		168	418		217	73
81	41		123	642		169	673		218	32
82	285		124	204		170	969		219	35
83	778		125	744		171	489			
84	979		126	1,539		172	-			
85	133		127	796		173	367			
86	410		128	993		174	398			
87	642		129	102		175	296			
88	632		130	285		176	856			
89	947		131	1,041		177	398			
90	438		132	1,773		178	347			
91	1,234		133	591		179	296			
92	122		134	316		180	632			
93	10		136	753		181	184			
94	725		137	591		183	224			
95	653		138	928		184	398			
96	1,229		139	372		185	483			
98	143		140	714		186	8,503			
99	763		141	1,094		187	765			
100	656		142	591		188	387			



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# MICHIGAN

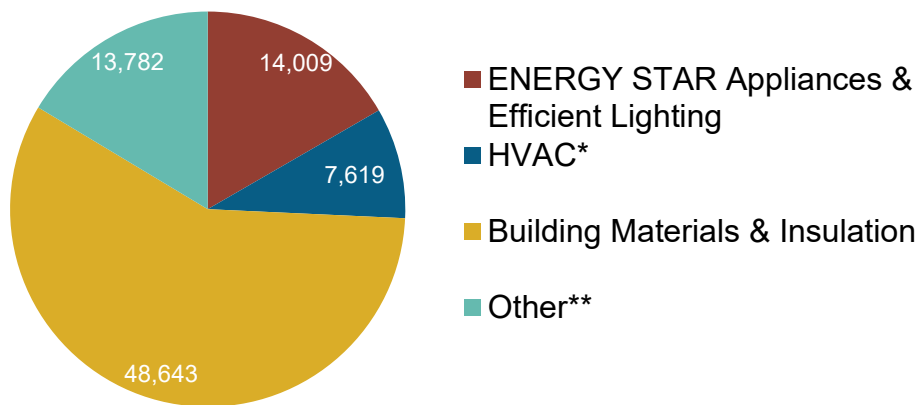
## Energy Efficiency Jobs in America

84,052  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

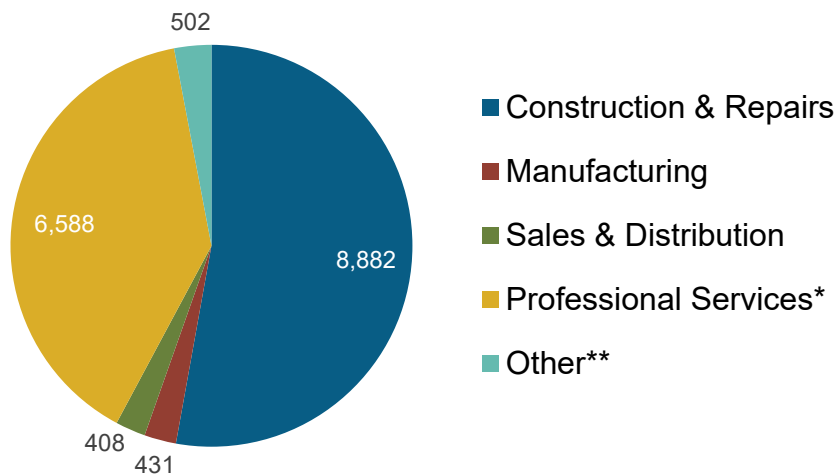
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Michigan,  
EE Jobs  
Comprise:

**16%**  
of All  
Construction Jobs

**20%**  
of All  
Energy Sector Jobs

**11%**  
of Michigan residents  
employed in EE are  
**Veterans**

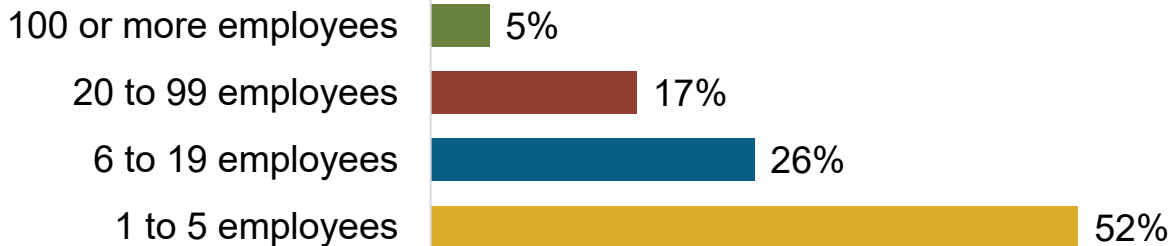
Presented by:



Good for the Economy.  
Good for the Environment.

# 16,810 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	8,432	Ann Arbor	3,307
2	9,003	Battle Creek	1,007
3	4,354	Bay City	658
4	6,406	Detroit-Warren-Livonia	36,520
5	3,912	Flint	2,579
6	5,806	Grand Rapids-Wyoming	7,252
7	8,294	Holland-Grand Haven	2,454
8	5,403	Jackson	1,101
9	10,054	Kalamazoo-Portage	2,755
10	5,236	Lansing-East Lansing	3,597
11	6,136	Monroe	925
12	3,740	Muskegon-Norton Shores	1,114
13	3,884	Niles-Benton Harbor	1,852
14	3,392	Saginaw-Saginaw Township North	1,724
		South Bend-Mishawaka	291
		Rural	16,916



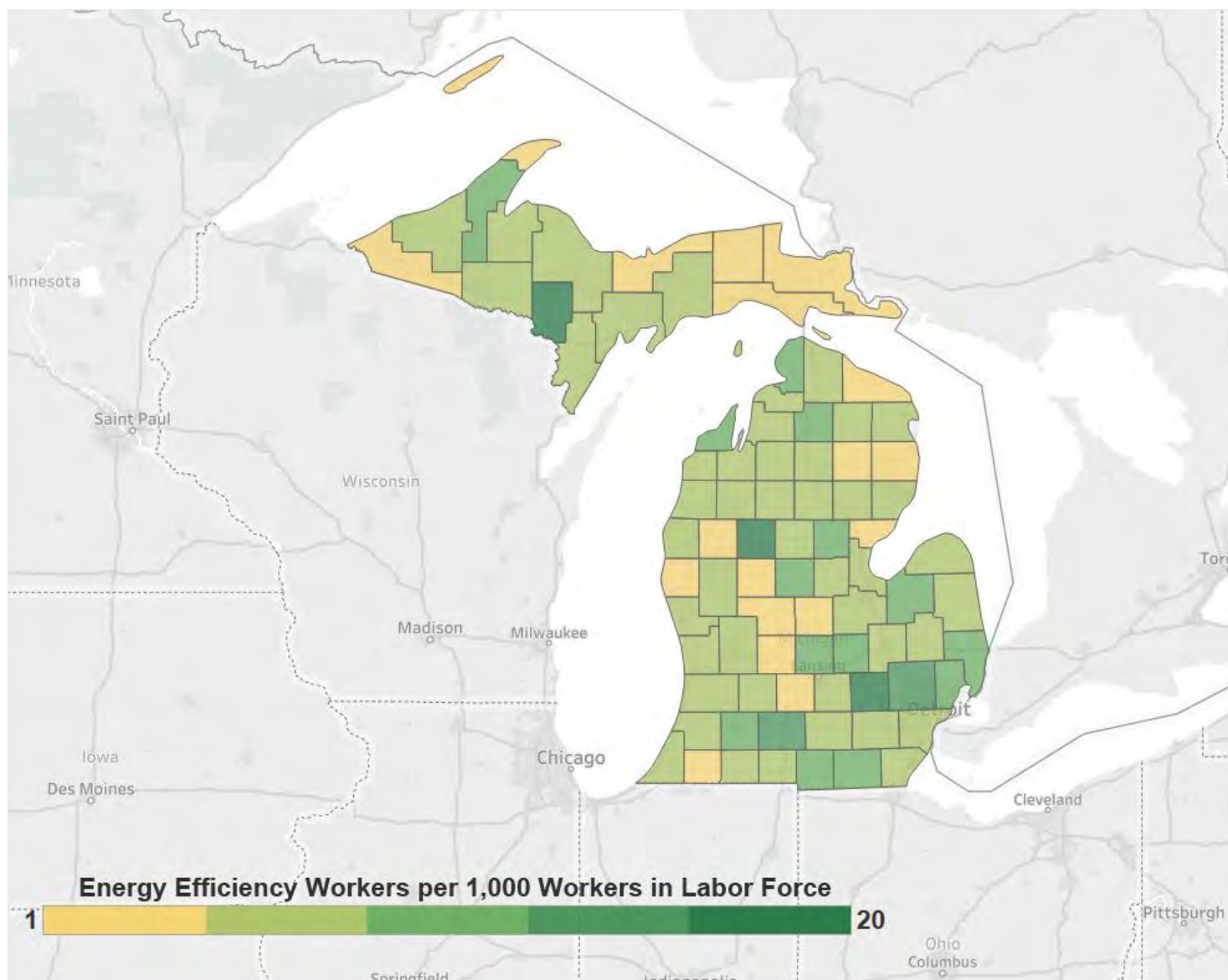
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	3,319		11	5,489		21	2,620		31	2,139
2	618		12	4,376		22	2,164		32	1,245
3	1,885		13	2,953		23	2,745		33	1,746
4	327		14	1,950		24	1,047		34	1,427
5	670		15	2,125		25	2,241		35	3,123
6	1,235		16	2,244		26	3,834		36	1,769
7	2,684		17	1,948		27	1,215		37	2,436
8	3,665		18	2,593		28	4,063		38	2,571
9	1,769		19	2,544		29	412			
10	1,277		20	2,191		30	1,390			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	597		35	2,265		69	53		103	986
2	293		36	576		70	786		104	492
3	503		37	1,728		71	241		105	1,404
4	649		38	1,916		72	2,290		106	1,037
5	785		39	387		73	2,543		107	655
6	921		40	1,413		74	1,398		108	964
7	94		41	1,288		75	377		109	767
8	534		42	1,403		76	-		110	850
9	188		43	555		77	115		103	986
10	-		44	387		78	577		104	492
11	1,183		45	450		79	450		105	1,404
12	1,162		46	471		80	1,303		106	1,037
13	766		47	922		81	995		107	655
14	482		48	586		82	576		108	964
15	94		49	105		83	482		109	767
16	-		50	366		84	597		110	850
17	807		51	160		85	691			
18	1,215		52	1,969		86	283			
19	639		53	859		87	230			
20	1,491		54	453		88	762			
21	-		55	-		89	628			
22	607		56	450		90	-			
23	136		57	880		91	1,005			
24	1,016		58	756		92	108			
25	796		59	1,171		93	408			
26	1,979		60	1,835		94	1,277			
27	733		61	94		95	285			
28	534		62	1,099		96	378			
29	1,936		63	419		97	761			
30	963		64	869		98	712			
31	503		65	168		99	450			
32	544		66	1,144		100	565			
33	346		67	1,477		101	1,676			
34	1,173		68	1,215		102	387			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# MINNESOTA

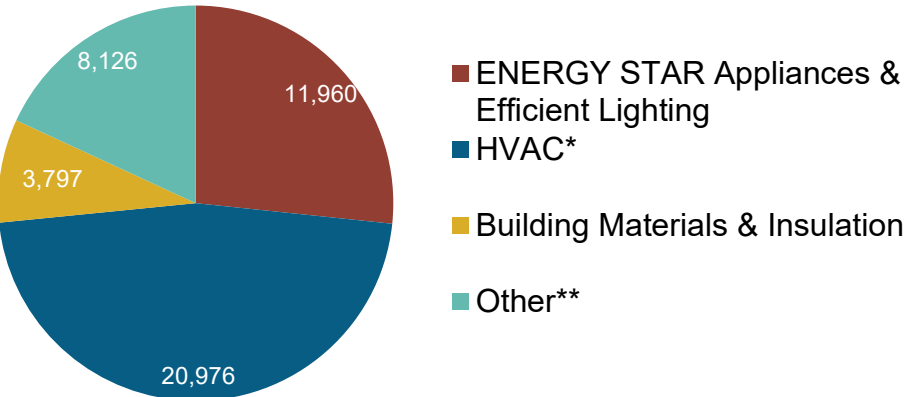
## Energy Efficiency Jobs in America

44,859  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

In Minnesota,  
EE Jobs  
Comprise:

22%  
of All  
Construction Jobs

37%  
of All  
Energy Sector Jobs

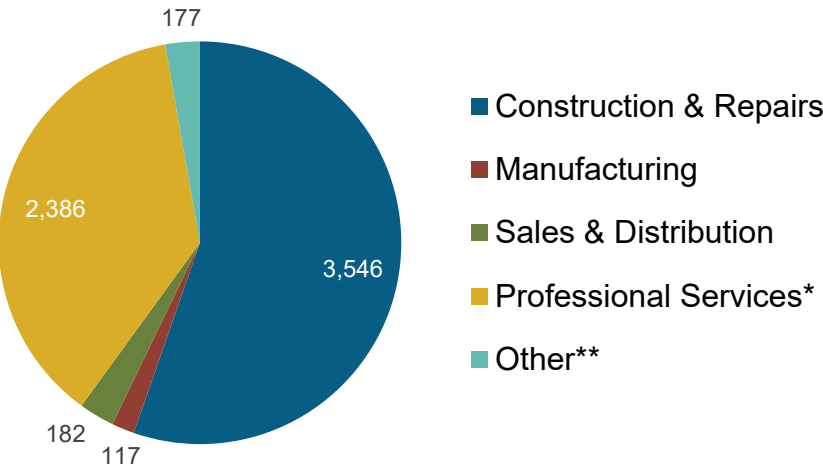
11%  
of Minnesota  
residents employed in  
EE are Veterans

Presented by:



Good for the Economy.  
Good for the Environment.

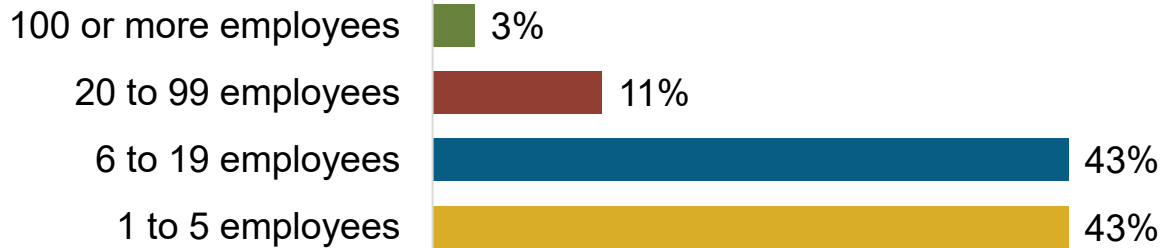
### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

# 6,408 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	6,744	Duluth	1,670
2	3,851	Fargo	366
3	8,293	Grand Forks	245
4	5,918	La Crosse	166
5	4,980	Mankato-North Mankato	837
6	4,277	Minneapolis-St. Paul-Bloomington	25,554
7	6,489	Rochester	1,566
8	4,306	St. Cloud	1,732
		Rural	12,722

**Energy efficiency projects give a solid & predictable return on investment.**

Matt Kazinka,  
Lake Street Council,  
Minneapolis, MN

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS



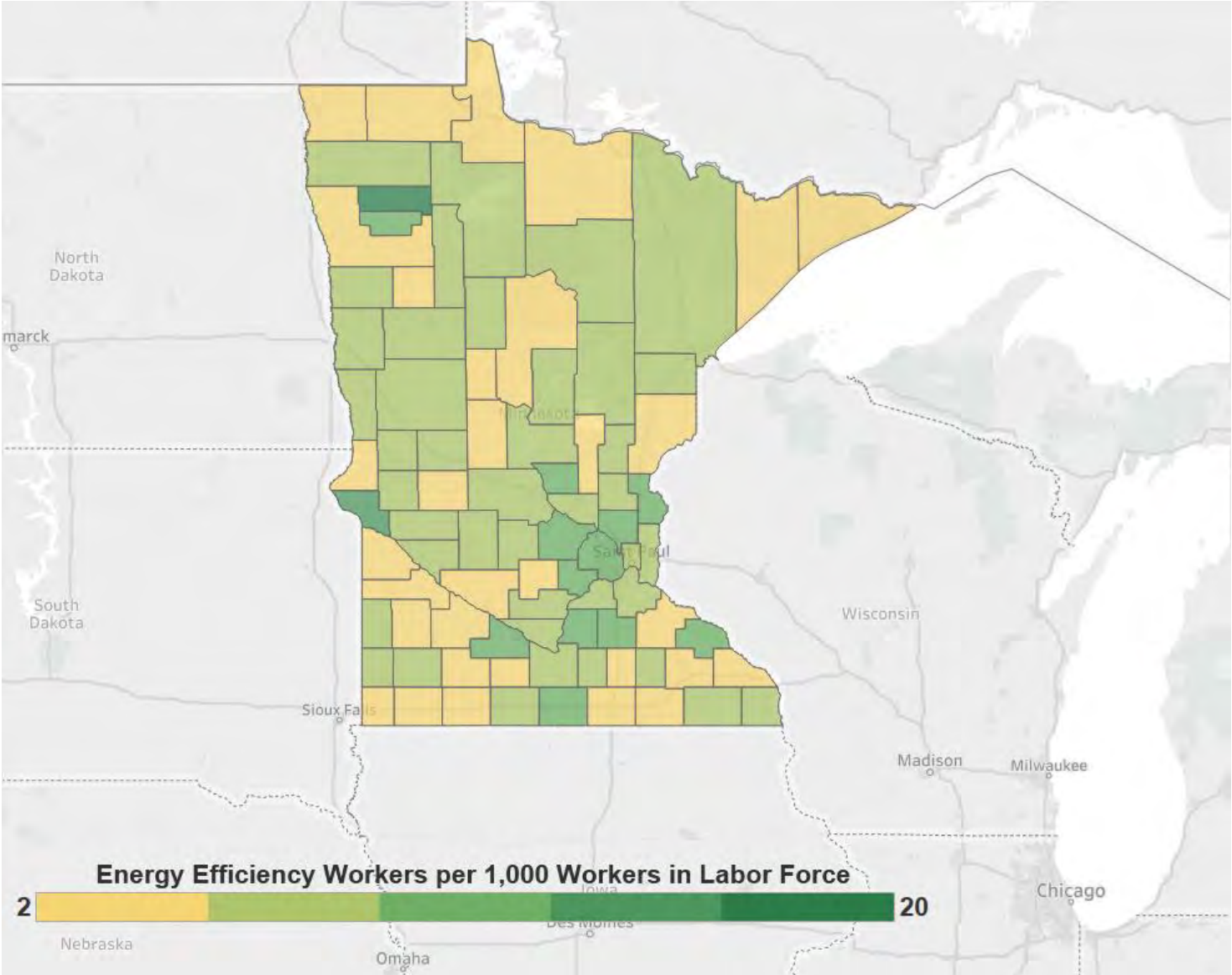
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	672		18	587		35	148		52	563
2	1,032		19	707		36	660		53	227
3	953		20	1,340		37	795		54	148
4	485		21	1,307		38	743		55	375
5	620		22	846		39	688		56	125
6	479		23	922		40	605		57	496
7	384		24	456		41	871		58	8
8	1,110		25	679		42	852		59	2,597
9	930		26	423		43	212		60	620
10	352		27	524		44	1,665		61	408
11	401		28	344		45	292		62	109
12	918		29	719		46	680		63	16
13	1,368		30	286		47	367		64	985
14	-		31	1,279		48	632		65	750
15	914		32	289		49	1,658		66	-
16	1,211		33	1,214		50	457		67	-
17	1,012		34	430		51	914			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
01A	344		18A	228		36A	274		53A	188
01B	328		18B	360		36B	386		53B	39
02A	492		19A	707		37A	646		54A	133
02B	539		20A	789		37B	149		54B	16
03A	461		20B	550		38A	591		55A	375
03B	492		21A	573		38B	152		55B	-
04A	266		21B	735		39A	336		56A	-
04B	211		22A	534		39B	352		56B	125
05A	227		22B	313		40A	402		57A	496
05B	394		23A	571		40B	203		58B	8
06A	383		23B	352		41A	691		59A	16
06B	96		24A	331		41B	180		59B	2,582
07A	321		24B	125		42A	-		60A	399
07B	63		25A	679		42B	852		60B	221
08A	430		26A	243		43A	126		61A	188
08B	680		26B	180		43B	86		61B	221
09A	649		27A	391		44A	688		62A	109
09B	281		27B	133		44B	977		62B	-
10A	156		28A	117		45A	230		63A	-
10B	195		28B	227		45B	63		63B	16
11A	102		29A	461		46A	508		64A	875
11B	299		29B	258		46B	172		64B	109
12A	579		30A	-		47A	367		65A	94
12B	338		30B	286		47B	-		65B	657
13A	977		31A	704		48A	632		66A	-
13B	391		31B	576		48B	-		66B	-
14A	-		32A	141		49A	1,057		67A	-
14B	-		32B	149		49B	602		67B	-
15A	461		33A	1,016		50A	457			
15B	453		33B	198		50B	-			
16A	479		34A	391		51A	914			
16B	732		34B	39		51B	-			
17A	622		35A	-		52A	430			
17B	391		35B	149		52B	133			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# MISSISSIPPI

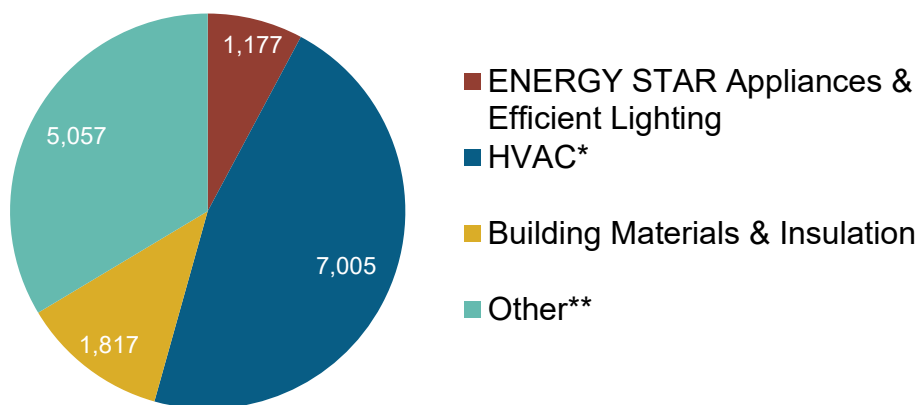
## Energy Efficiency Jobs in America

15,055  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

In Mississippi,  
EE Jobs  
Comprise:

**23%**  
of All  
Construction Jobs

**22%**  
of All  
Energy Sector Jobs

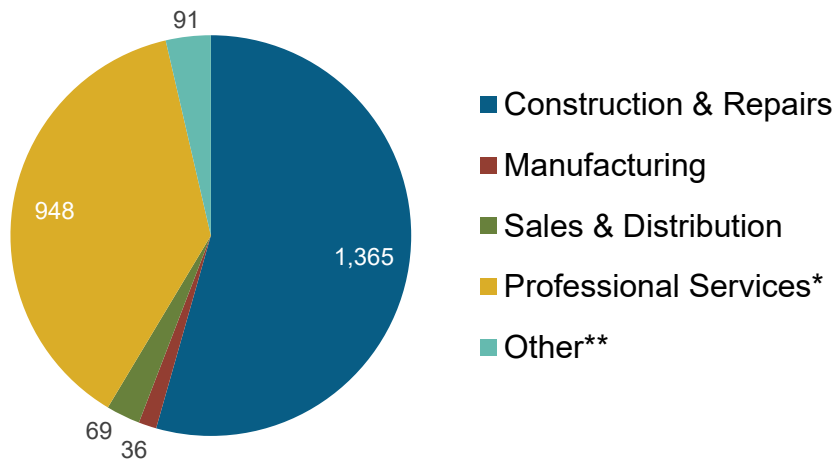
**15%**  
of Mississippi  
residents employed in  
EE are **Veterans**

Presented by:



Good for the Economy.  
Good for the Environment.

### Firms by Supply Chain

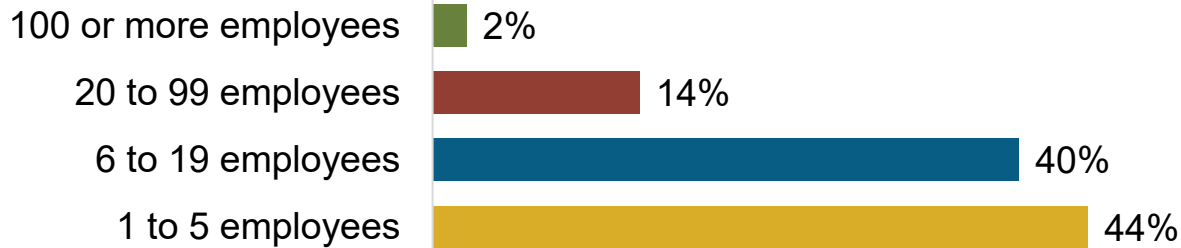


\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

# 2,509 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	3,845	Gulfport-Biloxi	1,907
2	4,336	Hattiesburg	882
3	3,274	Jackson	3,470
4	3,600	Memphis	1,253
		Pascagoula	834
		Rural	6,710

**[I am a] weatherization coordinator & quality control inspector.**

Eddie Brown, WWISCAA, Greenville, MS

Energy efficiency: America's Job-creation powerhouse

Faces of EE JOBS

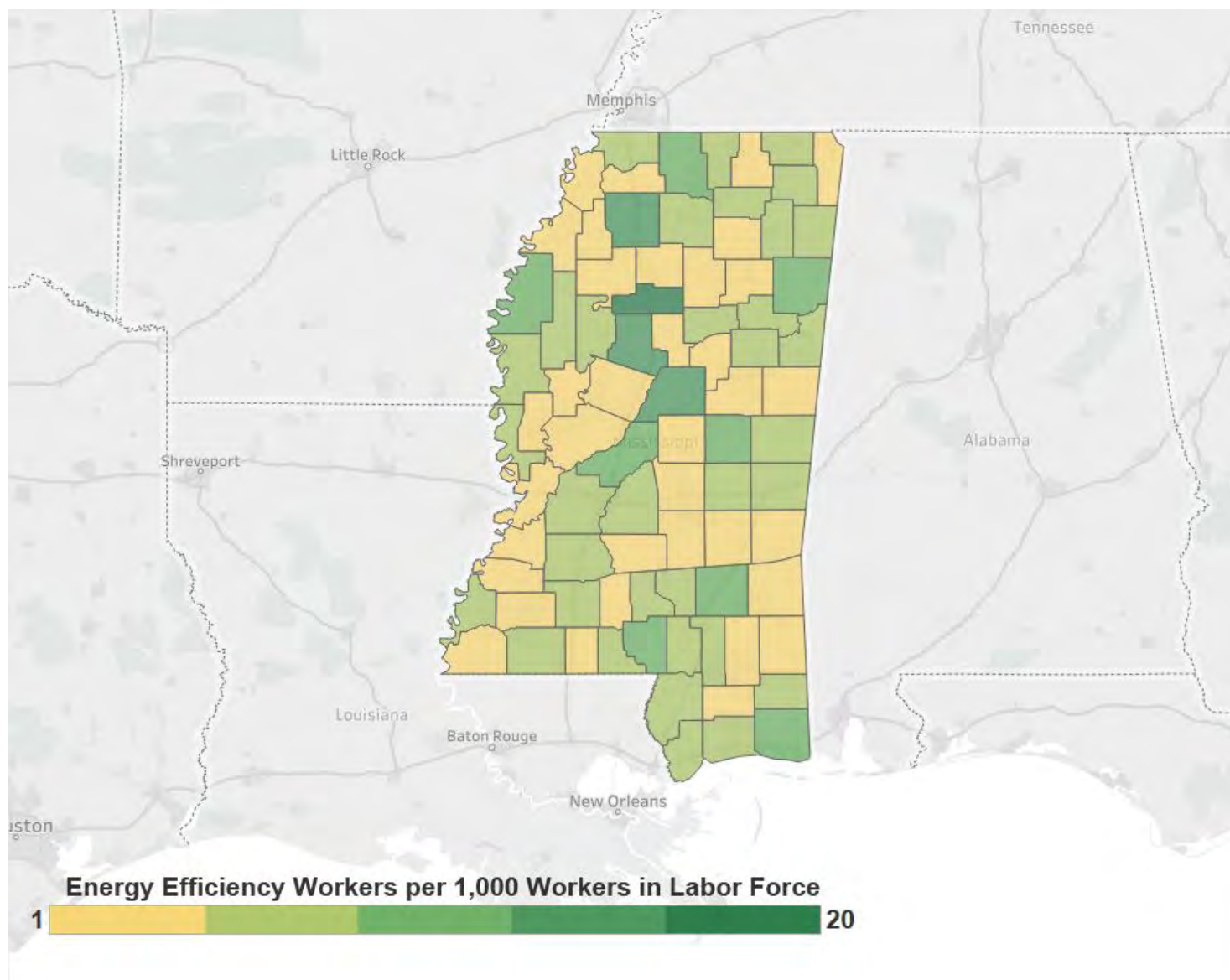
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	859		15	238		29	574		43	172
2	-		16	456		30	189		44	60
3	630		17	33		31	214		45	84
4	235		18	228		32	392		46	781
5	94		19	-		33	103		47	533
6	261		20	704		34	1,112		48	632
7	238		21	472		35	135		49	117
8	133		22	228		36	355		50	76
9	407		23	267		37	420		51	407
10	142		24	10		38	43		52	-
11	160		25	631		39	51			
12	341		26	443		40	414			
13	89		27	-		41	80			
14	500		28	199		42	113			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	175		32	133		63	129		94	211
2	8		33	8		64	275		95	703
3	92		34	49		65	152		96	154
4	55		35	224		66	160		97	-
5	519		36	80		67	4		98	2
6	303		37	618		68	320		99	31
7	215		38	4		69	2		100	-
8	39		39	18		70	123		101	-
9	245		40	-		71	-		102	6
10	70		41	-		72	-		103	-
11	14		42	6		73	-		104	-
12	2		43	8		74	-		105	129
13	88		44	49		75	80		106	-
14	18		45	423		76	94		107	-
15	94		46	35		77	88		108	-
16	487		47	49		78	61		109	231
17	-		48	-		79	199		110	177
18	92		49	142		80	263		111	312
19	66		50	21		81	80		112	-
20	113		51	4		82	-		113	-
21	21		52	-		83	-		114	214
22	43		53	443		84	4		115	328
23	195		54	269		85	27		116	-
24	263		55	-		86	35		117	404
25	29		56	757		87	798		118	-
26	10		57	-		88	197		119	92
27	268		58	356		89	-		120	-
28	-		59	515		90	92		121	-
29	123		60	275		91	16		122	47
30	10		61	-		92	-			
31	164		62	179		93	323			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# MISSOURI

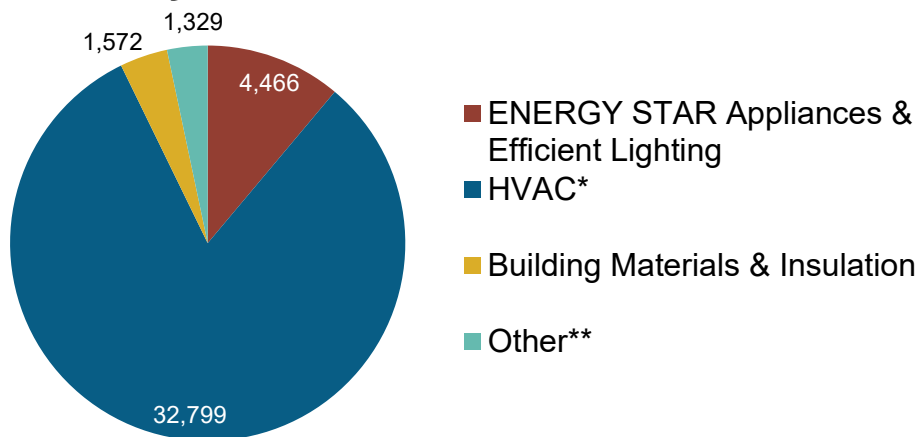
## Energy Efficiency Jobs in America

40,166  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

In Missouri,  
EE Jobs  
Comprise:

19%  
of All  
Construction Jobs

26%  
of All  
Energy Sector Jobs

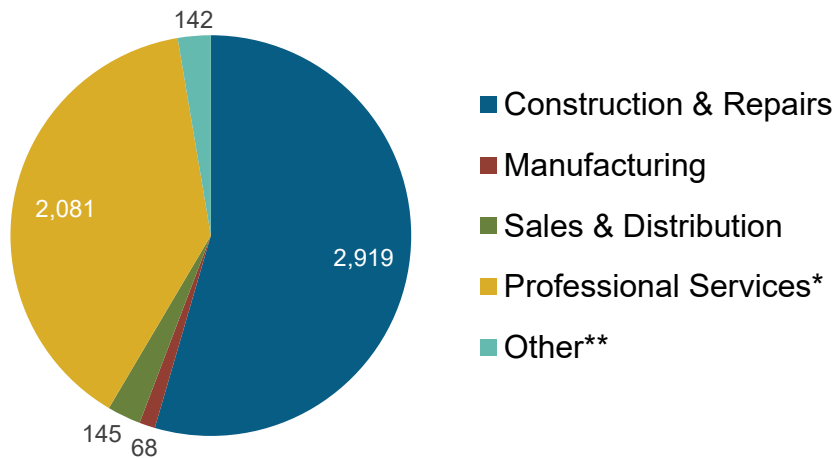
11%  
of Missouri residents  
employed in EE are  
Veterans

Presented by:



Good for the Economy.  
Good for the Environment.

### Firms by Supply Chain



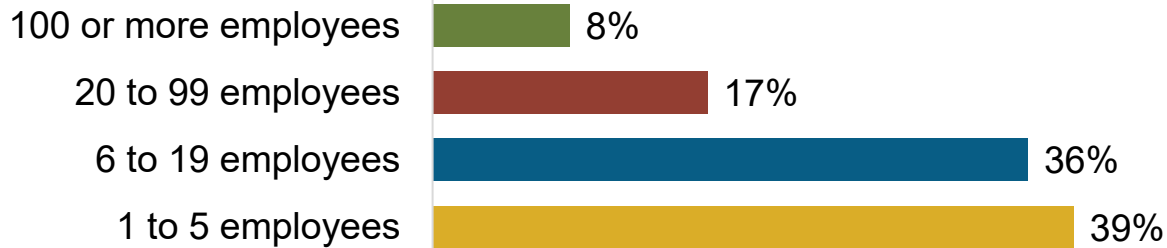
\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations



# 5,355 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	8,175	Cape Girardeau-Jackson	703
2	4,866	Columbia	1,233
3	4,914	Fayetteville-Springdale-Rogers	123
4	4,102	Jefferson City	1,000
5	6,429	Joplin	1,067
6	3,345	Kansas City	8,203
7	4,862	Springfield	3,258
8	3,475	St. Joseph	623
		St. Louis	15,059
		Rural	8,899



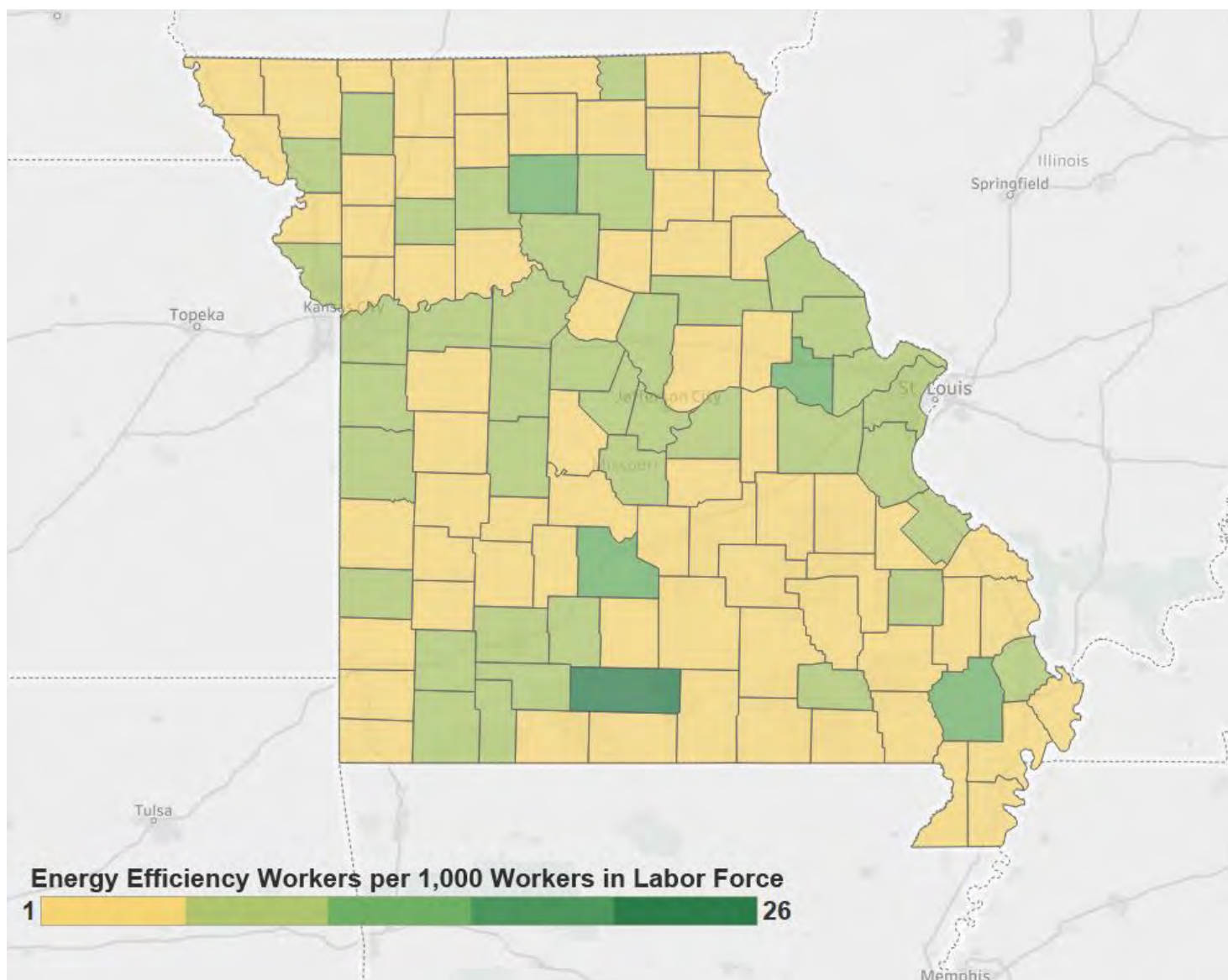
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,462		10	1,804		19	498		28	925
2	1,837		11	410		20	2,771		29	1,098
3	1,157		12	1,692		21	977		30	286
4	2,281		13	505		22	645		31	813
5	1,550		14	1,143		23	-		32	837
6	2,043		15	2,088		24	961		33	725
7	3,126		16	769		25	1,076		34	864
8	1,275		17	761		26	542			
9	527		18	895		27	824			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	249		43	821		85	-		127	483
2	307		44	-		86	-		128	214
3	294		45	344		87	-		129	22
4	213		46	-		88	234		130	1,223
5	220		47	124		89	373		131	-
6	205		48	505		90	192		132	1,027
7	252		49	703		91	146		133	59
8	183		50	88		92	198		134	-
9	395		51	242		93	117		135	60
10	146		52	15		94	190		136	220
11	139		53	205		95	-		137	139
12	491		54	37		96	467		138	652
13	388		55	234		97	316		139	22
14	439		56	37		98	183		140	22
15	117		57	264		99	37		141	198
16	37		58	351		100	-		142	220
17	117		59	15		101	25		143	337
18	-		60	-		102	212		144	44
19	769		61	571		103	-		145	88
20	608		62	439		104	-		146	476
21	168		63	37		105	-		147	205
22	300		64	1,083		106	-		148	307
23	542		65	-		107	-		149	132
24	1,061		66	198		108	-		150	88
25	492		67	212		109	161		151	154
26	37		68	-		110	-		152	249
27	158		69	351		111	271		153	-
28	-		70	1,684		112	95		154	22
29	176		71	1,070		113	-		155	81
30	294		72	51		114	205		156	22
31	59		73	183		115	425		157	242
32	81		74	-		116	268		158	117
33	293		75	-		117	44		159	293
34	271		76	146		118	190		160	168
35	-		77	1,111		119	66		161	324
36	183		78	940		120	117		162	66
37	37		79	-		121	73		163	-
38	81		80	154		122	59			
39	227		81	102		123	476			
40	404		82	520		124	242			
41	402		83	1,098		125	205			
42	395		84	1,223		126	220			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# MONTANA

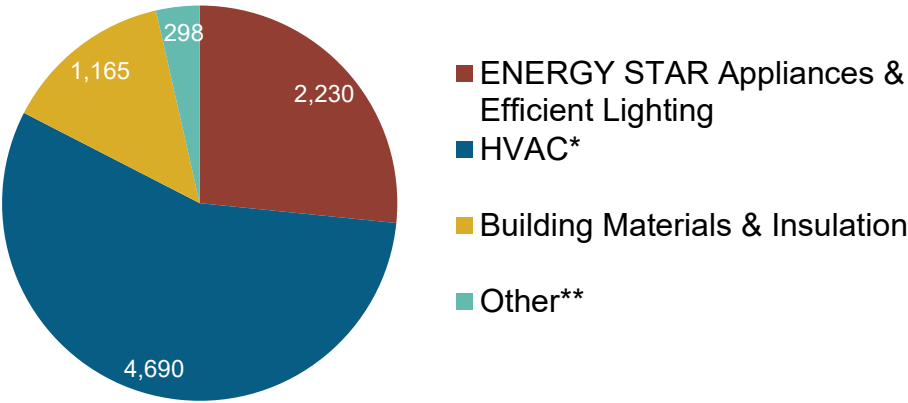
## Energy Efficiency Jobs in America

8,384  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

In Montana,  
EE Jobs  
Comprise:

21%  
of All  
Construction Jobs

28%  
of All  
Energy Sector Jobs

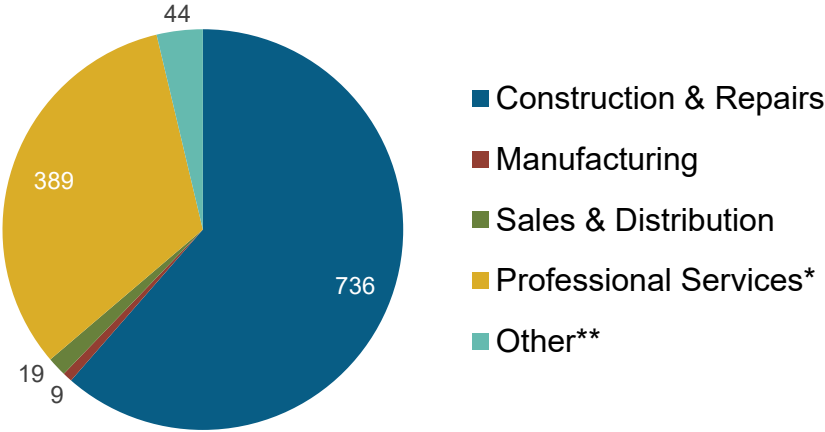
15%  
of Montana residents  
employed in EE are  
Veterans

Presented by:



Good for the Economy.  
Good for the Environment.

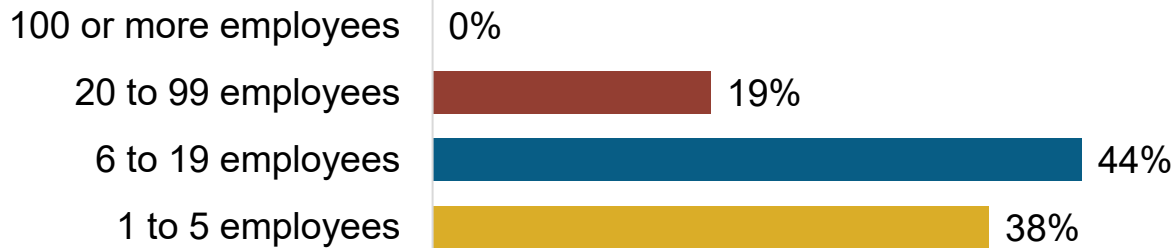
### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

# 1,198 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	8,384	Billings	1,763
		Great Falls	512
		Missoula	992
		Rural	5,116

We manage a platform for sustainable housing professionals.

Chris Dorsi, Habitat X, Helena, MT

Energy efficiency: America's Job-creation powerhouse

Faces of EE JOBS

## State Upper House

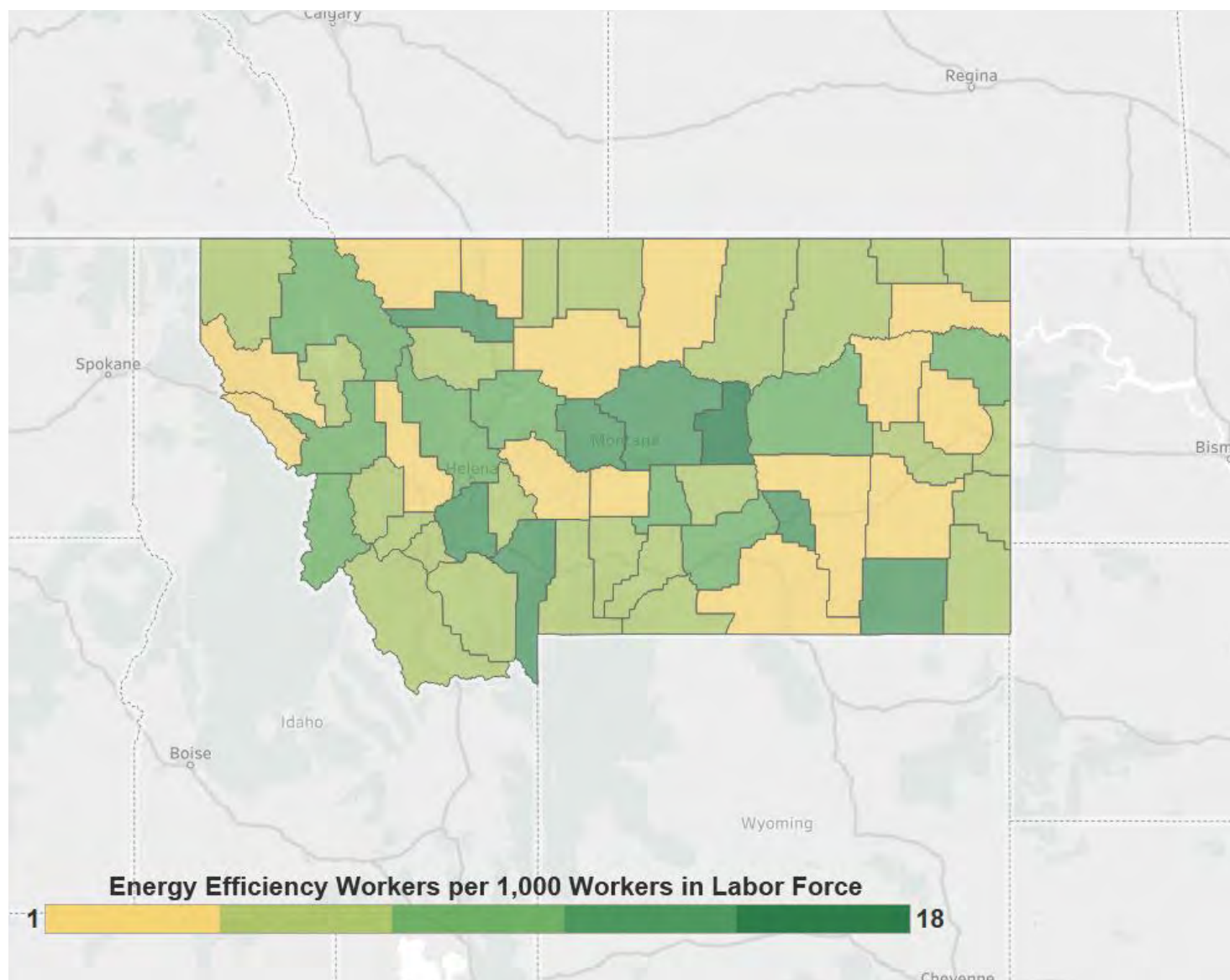
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	163		16	133		31	284		46	216
2	870		17	54		32	93		47	-
3	5		18	201		33	-		48	34
4	-		19	142		34	-		49	-
5	125		20	449		35	125		50	-
6	87		21	755		36	419			
7	120		22	-		37	-			
8	109		23	547		38	491			
9	136		24	-		39	54			
10	259		25	-		40	38			
11	237		26	-		41	-			
12	-		27	-		42	-			
13	-		28	22		43	300			
14	180		29	163		44	33			
15	169		30	700		45	670			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	82		26	-		51	-		76	-
2	82		27	180		52	-		77	33
3	229		28	-		53	-		78	22
4	641		29	120		54	-		79	-
5	-		30	49		55	22		80	38
6	5		31	84		56	-		81	-
7	16		32	49		57	103		82	-
8	-		33	5		58	60		83	-
9	-		34	49		59	700		84	-
10	125		35	147		60	-		85	300
11	-		36	54		61	284		86	-
12	87		37	142		62	-		87	-
13	65		38	-		63	-		88	33
14	38		39	60		64	93		89	670
15	82		40	389		65	-		90	-
16	27		41	33		66	-		91	-
17	98		42	723		67	-		92	216
18	38		43	-		68	-		93	-
19	259		44	-		69	11		94	-
20	-		45	-		70	114		95	34
21	237		46	547		71	354		96	-
22	-		47	-		72	65		97	-
23	-		48	-		73	-		98	-
24	-		49	-		74	-		99	-
25	-		50	-		75	491		100	-



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# NEBRASKA

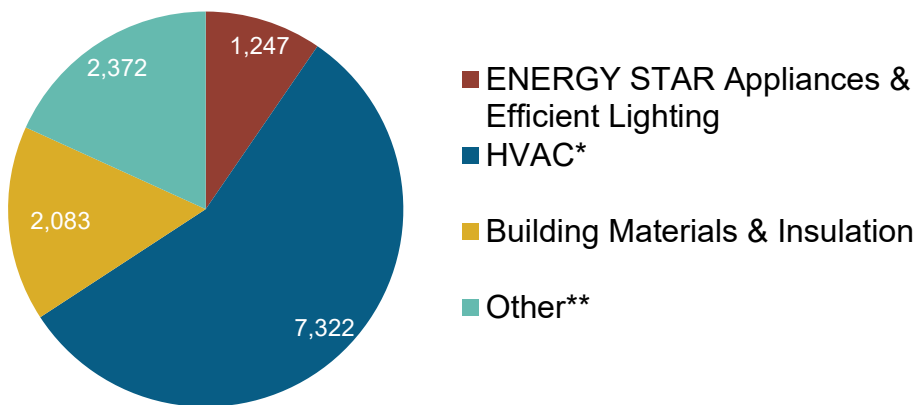
## Energy Efficiency Jobs in America

13,024  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

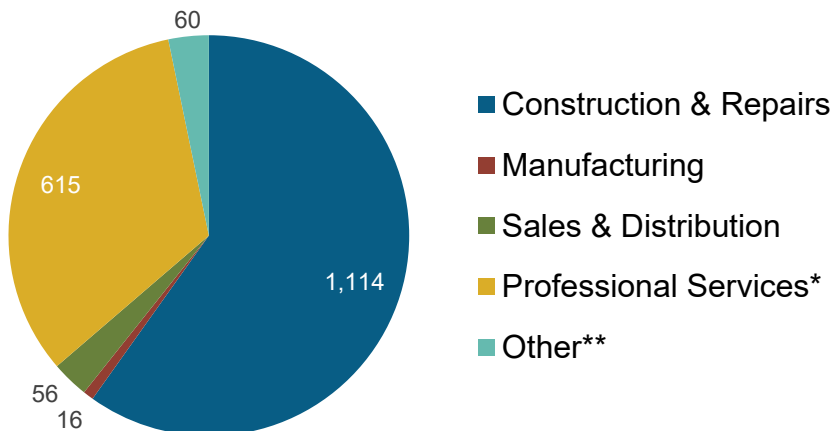
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Nebraska,  
EE Jobs  
Comprise:

**17%**  
of All  
Construction Jobs

**23%**  
of All  
Energy Sector Jobs

**7%**  
of Nebraska residents  
employed in EE are  
**Veterans**

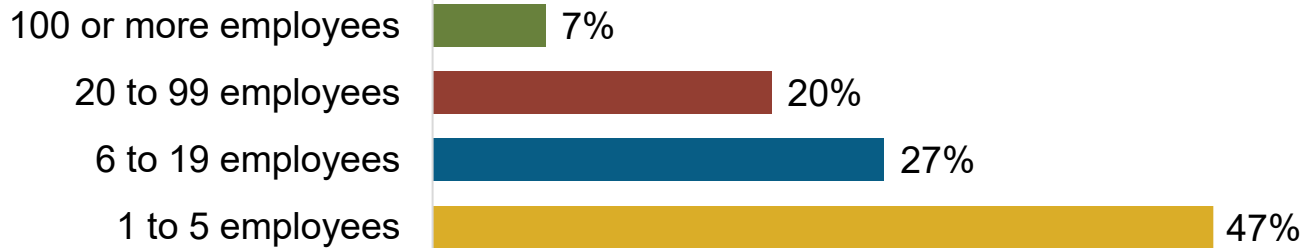
Presented by:



Good for the Economy.  
Good for the Environment.

# 1,861 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,478	Lincoln	2,227
2	4,413	Omaha-Council Bluffs	5,225
3	4,133	Sioux City	92
		Rural	5,480

**I specialize in low energy building system solutions & building commissioning.**

David Holtzclaw,  
Transduction Technologies,  
Omaha, NE

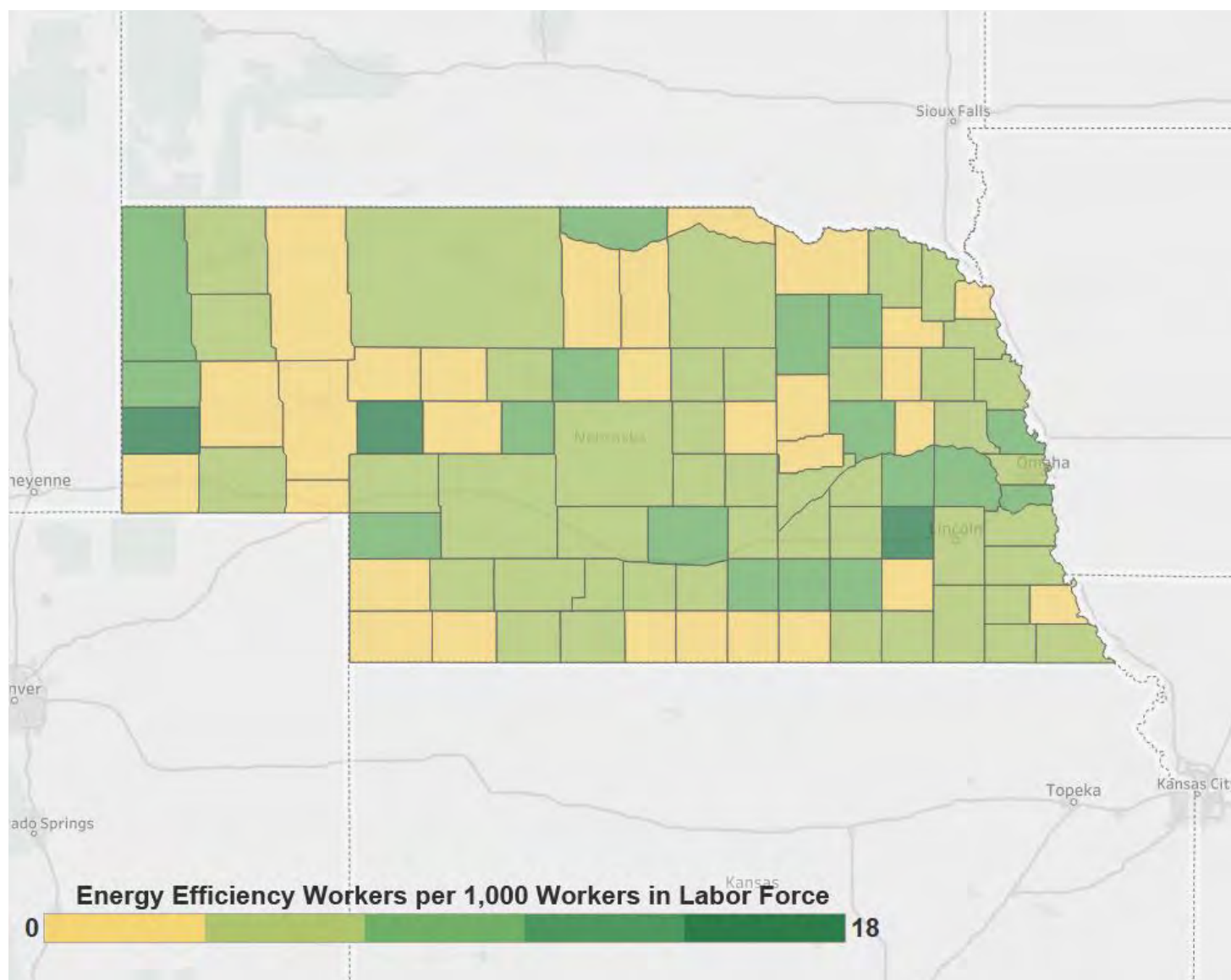
Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS

## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	308		14	211		27	267		40	226
2	510		15	301		28	-		41	262
3	104		16	301		29	23		42	260
4	1,258		17	180		30	255		43	269
5	642		18	-		31	52		44	239
6	782		19	359		32	191		45	58
7	568		20	-		33	307		46	-
8	87		21	890		34	525		47	440
9	-		22	301		35	-		48	6
10	220		23	162		36	328		49	52
11	-		24	301		37	339			
12	272		25	707		38	180			
13	87		26	133		39	59			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# NEVADA

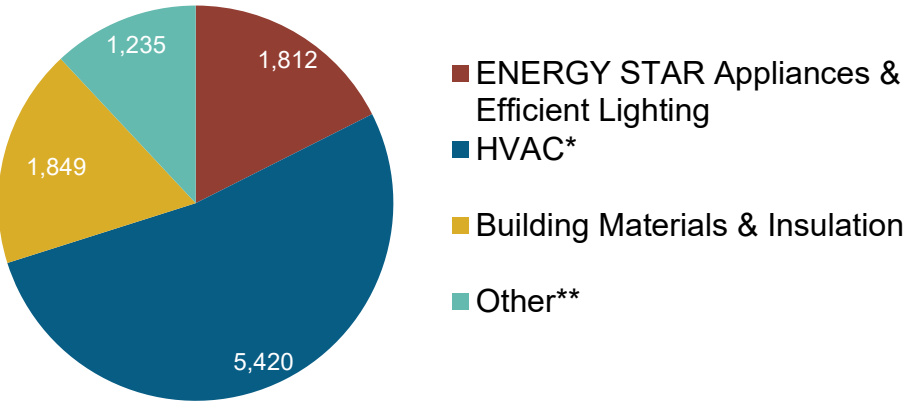
## Energy Efficiency Jobs in America

10,316  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

In Nevada,  
EE Jobs  
Comprise:

10%  
of All  
Construction Jobs

20%  
of All  
Energy Sector Jobs

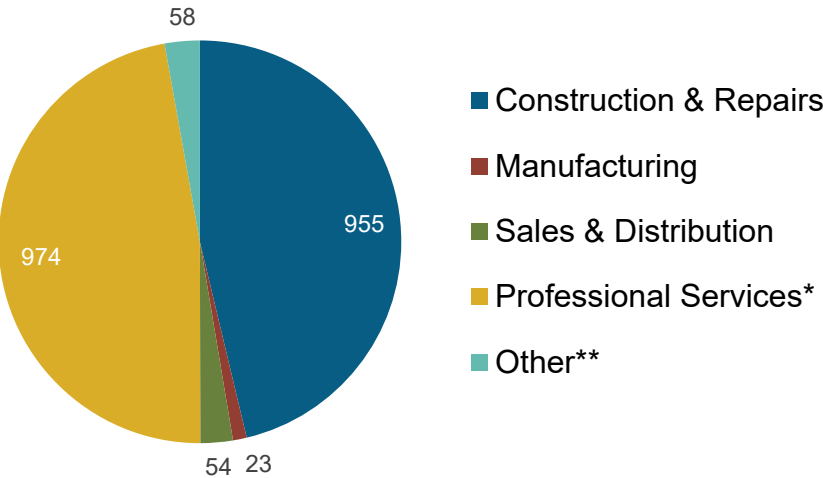
7%  
of Nevada residents  
employed in EE are  
Veterans

Presented by:



Good for the Economy.  
Good for the Environment.

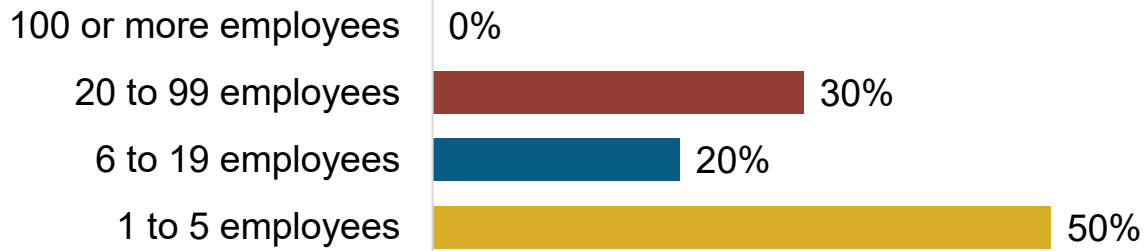
### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

# 2,063 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,998	Carson City	395
2	3,276	Las Vegas-Paradise	6,893
3	1,330	Reno-Sparks	2,186
4	712	Rural	842

**I manage EE programs providing education, incentives, & assistance.**

Celine Apo,  
Southwest Gas,  
Las Vegas, NV

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS



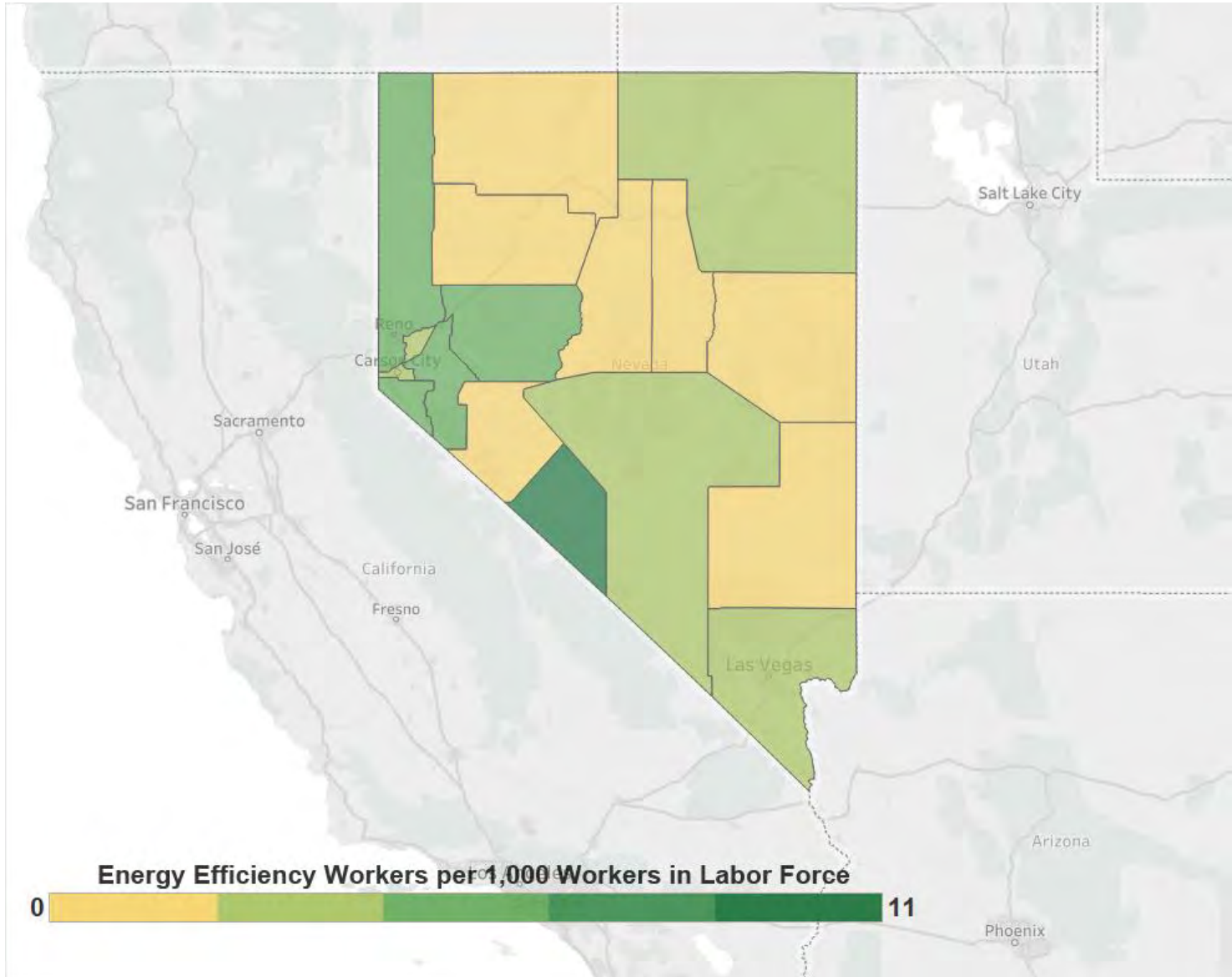
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	618		7	433		13	1,633		19	289
2	894		8	453		14	205		20	43
3	1,323		9	398		15	211		21	8
4	-		10	683		16	593			
5	1,124		11	-		17	445			
6	597		12	359		18	8			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	4,998		13	4		25	531		37	-
2	3,276		14	-		26	211		38	148
3	1,330		15	562		27	31		39	422
4	712		16	-		28	-		40	277
1	239		17	4		29	-		41	-
2	589		18	464		30	308		42	-
3	468		19	164		31	-			
4	172		20	141		32	115			
5	78		21	207		33	242			
6	761		22	187		34	195			
7	215		23	55		35	39			
8	956		24	1,063		36	47			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# NEW HAMPSHIRE

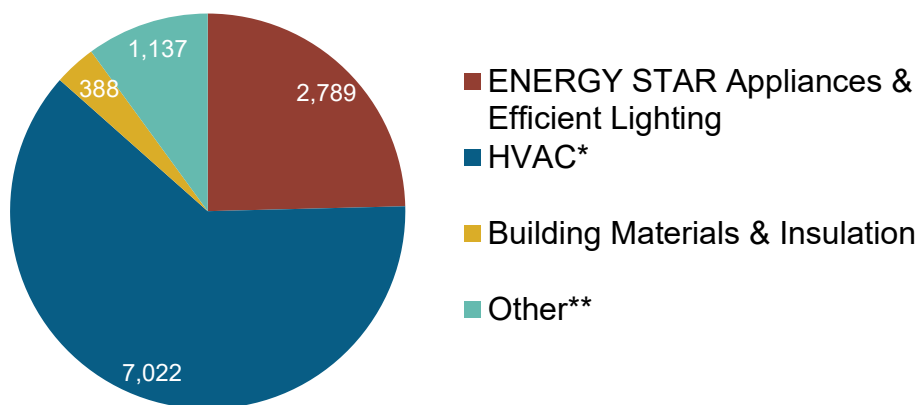
## Energy Efficiency Jobs in America

11,336  
Total Jobs

### What are EE Jobs?

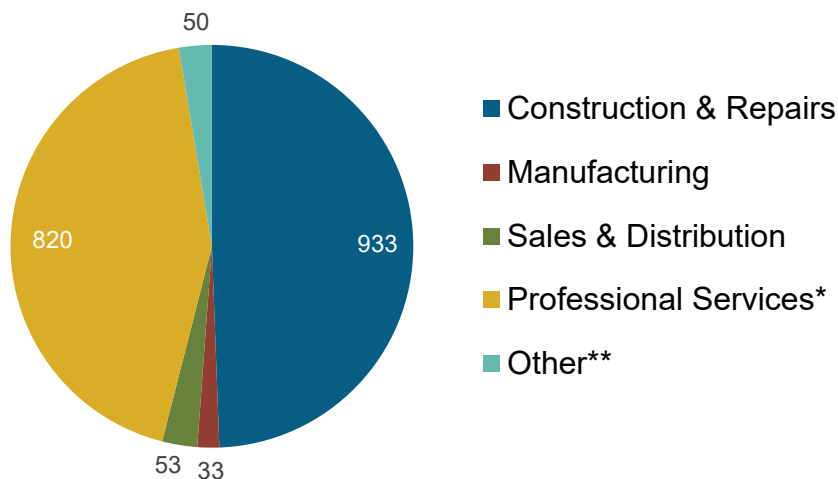
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In NH,  
EE Jobs  
Comprise:

**26%**  
of All  
Construction Jobs

**38%**  
of All  
Energy Sector Jobs

**9%**  
of New Hampshire  
residents employed in  
EE are **Veterans**

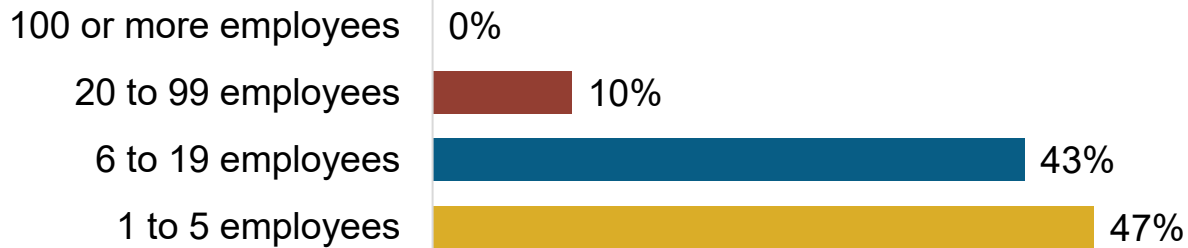
Presented by:



Good for the Economy.  
Good for the Environment.

# 1,889 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	6,097	Boston-Cambridge-Quincy	4,077
2	5,239	Manchester-Nashua	3,207
		Rural	4,052



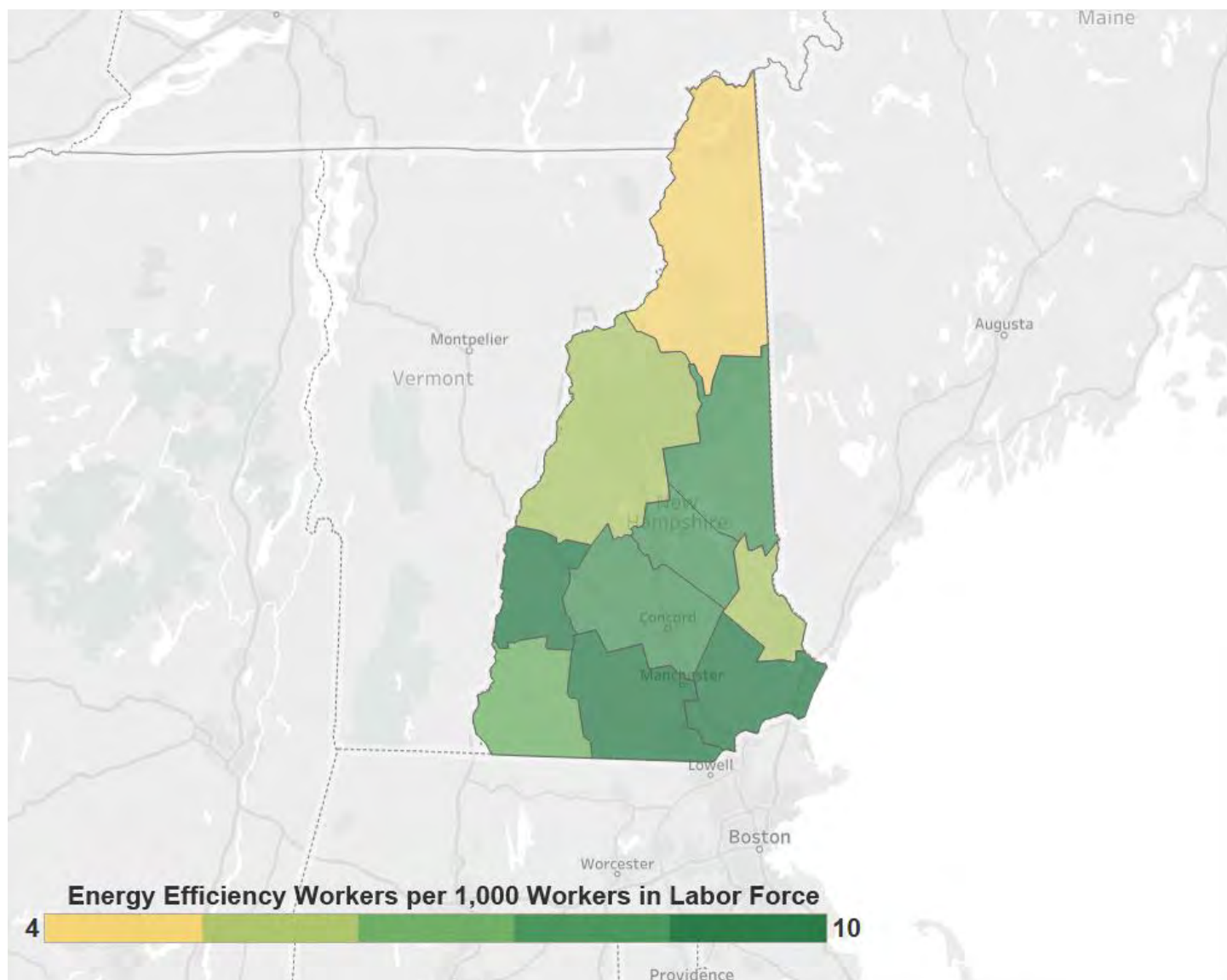
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	445		7	561		13	297		19	254
2	540		8	513		14	1,077		20	310
3	515		9	563		15	499		21	566
4	440		10	354		16	557		22	538
5	367		11	559		17	403		23	409
6	283		12	603		18	156		24	528

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	119		405	35		602	9		722	73
2	260		406	109		604	116		723	408
4	85		408	76		605	4		724	53
5	51		409	74		606	53		801	22
6	82		410	129		607	74		802	40
7	22		412	58		609	94		803	51
101	100		413	38		610	448		804	103
102	116		501	107		620	164		805	25
103	67		502	69		623	114		806	297
104	120		503	36		624	140		807	156
105	85		504	198		701	51		817	69
117	7		505	16		702	157		818	29
201	91		506	247		704	225		901	65
202	184		507	245		705	476		902	118
203	24		508	142		706	45		903	76
209	189		510	433		707	82		906	35
211	65		512	149		708	319		907	24
212	84		520	279		709	104			
301	56		521	402		710	214			
302	38		523	120		712	33			
303	47		525	12		713	55			
304	20		526	116		714	99			
305	15		528	157		715	40			
306	25		529	65		716	39			
401	93		530	297		717	18			
402	55		531	124		719	134			
403	39		537	122		720	122			
404	18		601	144		721	107			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# NEW JERSEY

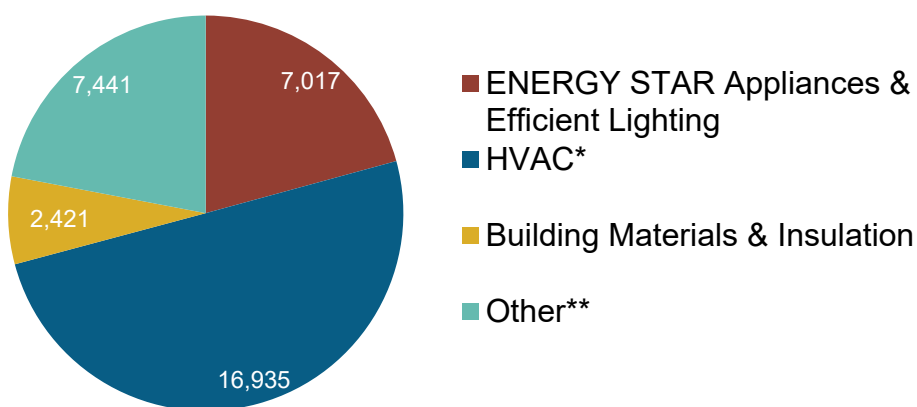
## Energy Efficiency Jobs in America

33,815  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

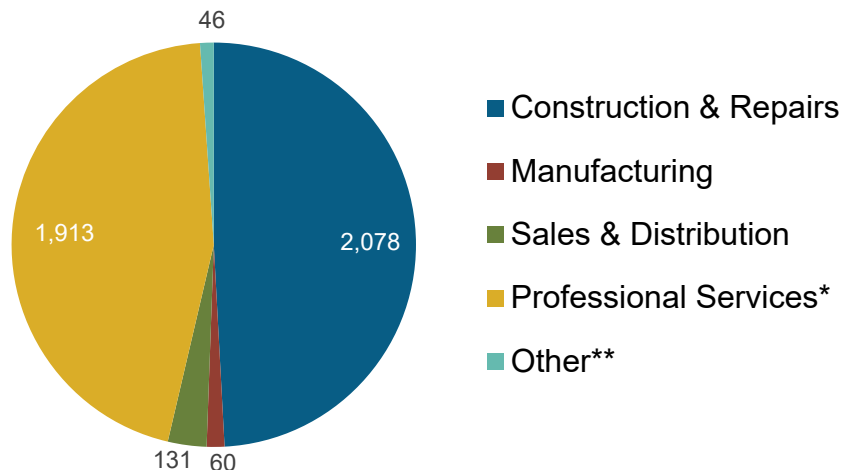
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In New Jersey,  
EE Jobs  
Comprise:

**13%**  
of All  
Construction Jobs

**25%**  
of All  
Energy Sector Jobs

**5%**  
of New Jersey  
residents employed in  
EE are **Veterans**

Presented by:

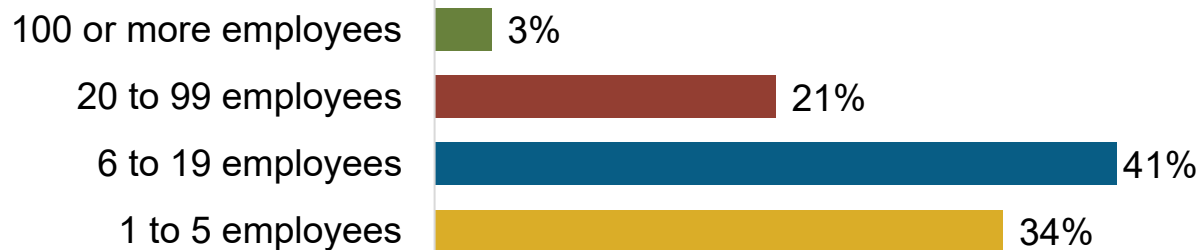


Good for the Economy.  
Good for the Environment.



# 4,227 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	2,662	Allentown-Bethlehem-Easton	522
2	2,397	Atlantic City	934
3	3,191	NY-Northern NJ-Long Island	25,13
4	3,108	Ocean City	504
5	4,169	Philadelphia-Camden-Wilmington	4,720
6	2,070	Trenton-Ewing	1,632
7	4,934	Vineland-Millville-Bridgeton	371
8	2,595		
9	2,938		
10	950		
11	3,014		
12	1,787		



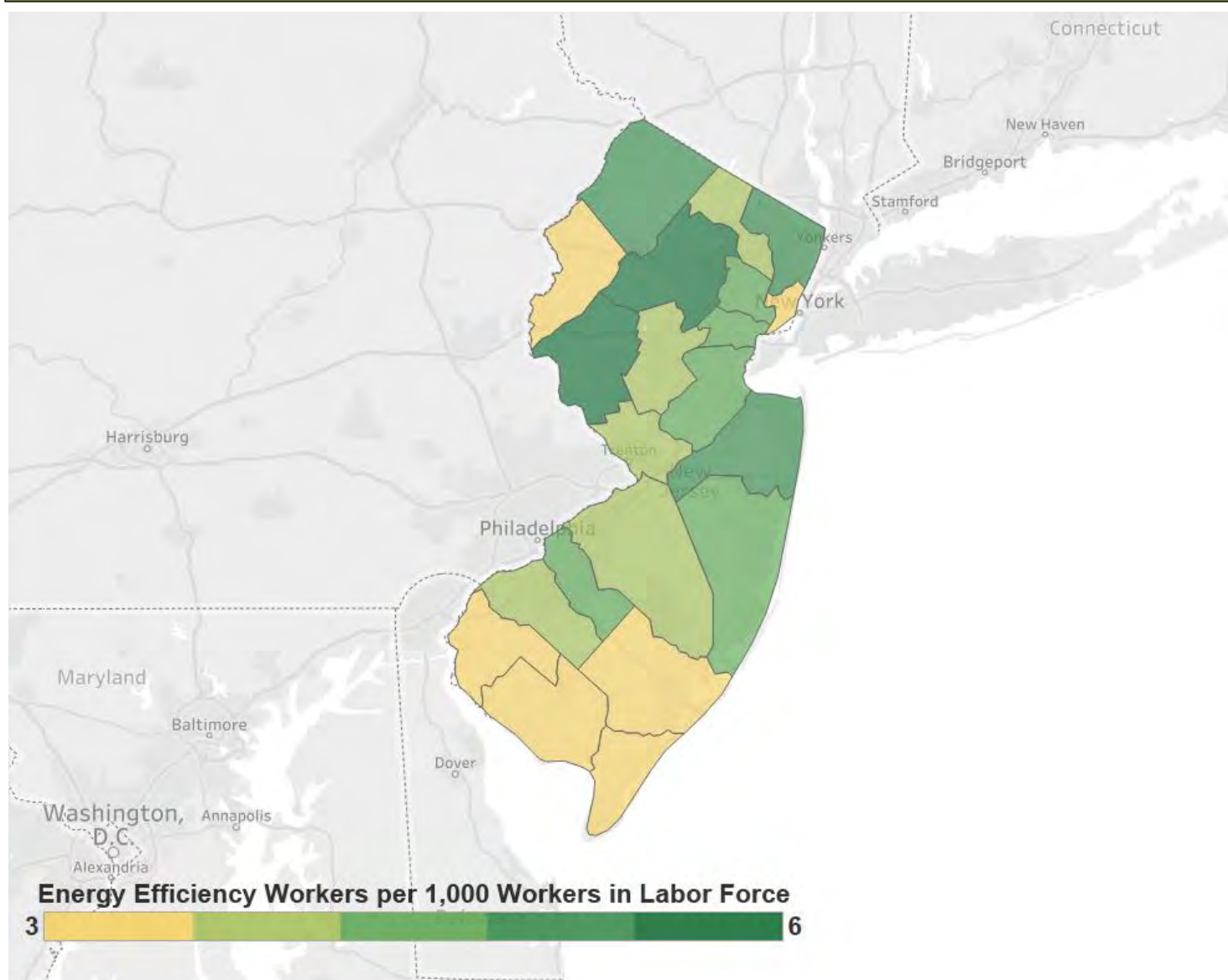
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	991		11	1,400		21	1,364		31	612
2	992		12	1,044		22	656		32	543
3	628		13	634		23	816		33	318
4	501		14	1,055		24	909		34	616
5	777		15	873		25	1,393		35	1,015
6	688		16	1,408		26	1,202		36	600
7	963		17	644		27	842		37	1,304
8	743		18	547		28	567		38	913
9	1,010		19	467		29	672		39	1,241
10	938		20	549		30	491		40	891

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	991		11	1,400		21	1,364		31	612
2	992		12	1,044		22	656		32	543
3	628		13	634		23	816		33	318
4	501		14	1,055		24	909		34	616
5	777		15	873		25	1,393		35	1,015
6	688		16	1,408		26	1,202		36	600
7	963		17	644		27	842		37	1,304
8	743		18	547		28	567		38	913
9	1,010		19	467		29	672		39	1,241
10	938		20	549		30	491		40	891

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# NEW MEXICO

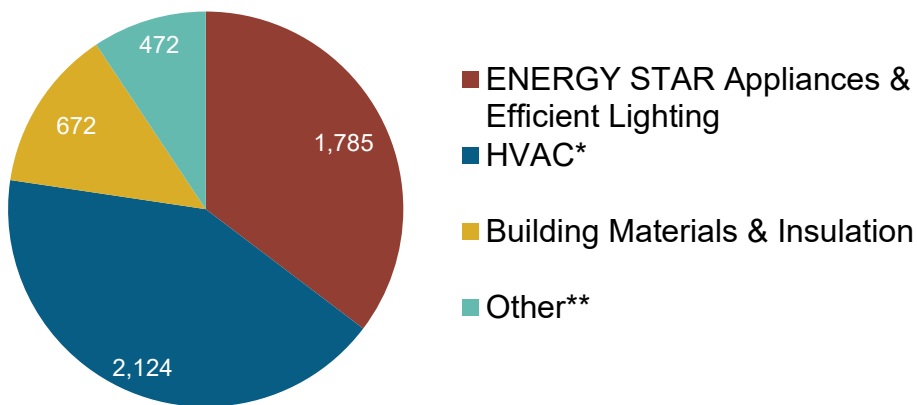
## Energy Efficiency Jobs in America

5,053  
Total Jobs

### What are EE Jobs?

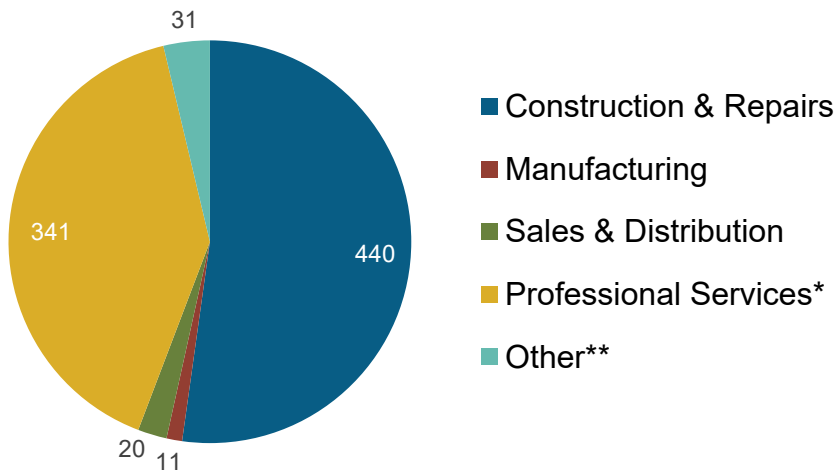
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In New Mexico,  
EE Jobs  
Comprise:

8%  
of All  
Construction Jobs

10%  
of All  
Energy Sector Jobs

12%  
of New Mexico  
residents employed in  
EE are Veterans

Presented by:



Good for the Economy.  
Good for the Environment.

# 842 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	2,364	Albuquerque	2,546
2	1,162	Farmington	307
3	1,526	Las Cruces	321
		Santa Fe	660
		Rural	1,218

**[I am an] assessor and quality control inspector.**

Joseph Wright, Central New Mexico Housing Corporation, Albuquerque, NM

Energy efficiency: America's Job-creation powerhouse

Faces of EE JOBS

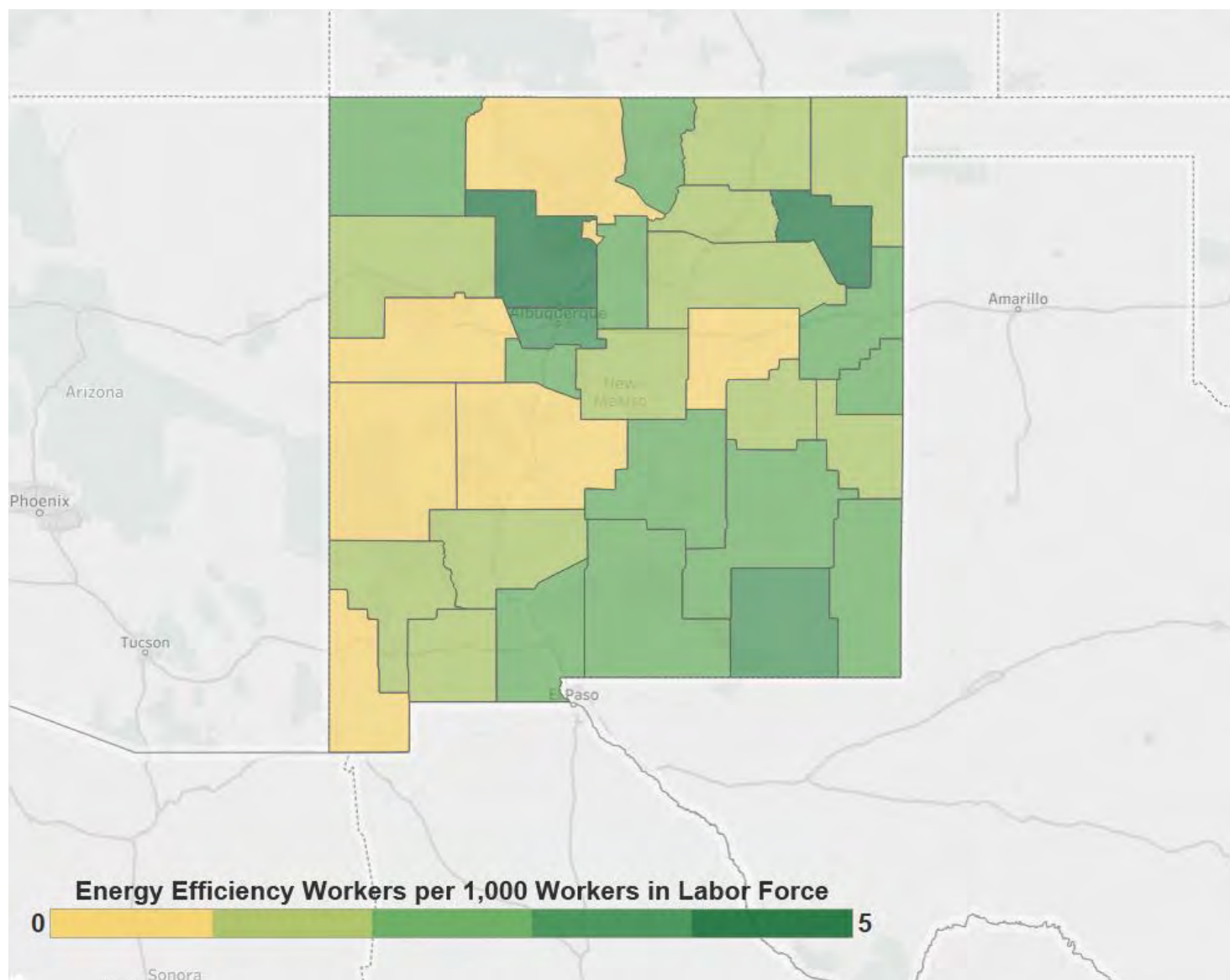
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	265		12	677		23	-		34	112
2	41		13	377		24	604		35	84
3	55		14	-		25	7		36	19
4	48		15	237		26	-		37	-
5	77		16	147		27	185		38	-
6	130		17	-		28	82		39	12
7	113		18	-		29	86		40	-
8	84		19	68		30	-		41	144
9	372		20	43		31	262		42	12
10	366		21	-		32	46			
11	142		22	7		33	151			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	263		19	-		37	-		55	7
2	26		20	161		38	26		56	44
3	2		21	-		39	2		57	-
4	17		22	83		40	127		58	86
5	70		23	168		41	89		59	22
6	34		24	108		42	10		60	-
7	84		25	-		43	194		61	170
8	2		26	-		44	36		62	5
9	-		27	43		45	301		63	110
10	681		28	-		46	170		64	2
11	292		29	-		47	2		65	-
12	-		30	-		48	-		66	10
13	-		31	-		49	26		67	36
14	-		32	65		50	19		68	-
15	597		33	274		51	97		69	-
16	-		34	19		52	-		70	2
17	-		35	17		53	14			
18	246		36	7		54	184			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# NEW YORK

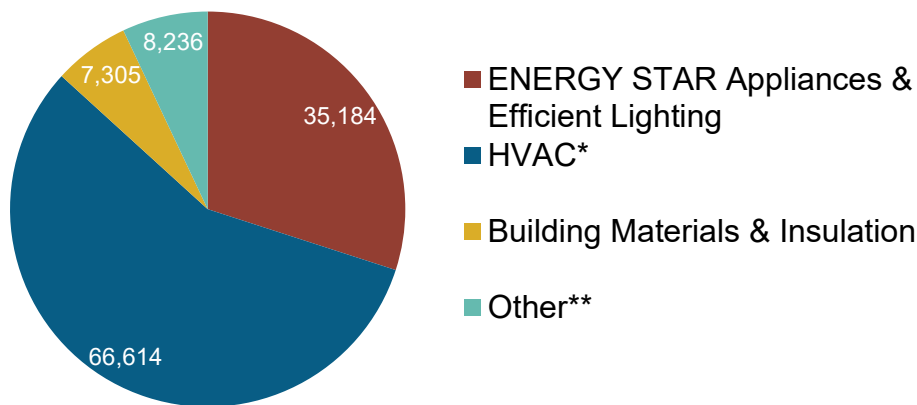
## Energy Efficiency Jobs in America

117,339  
Total Jobs

### What are EE Jobs?

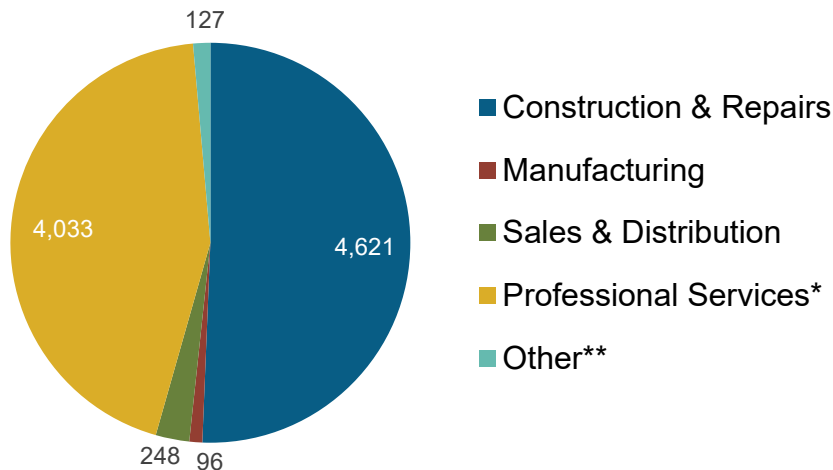
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In New York,  
EE Jobs  
Comprise:

**12%**  
of All  
Construction Jobs

**36%**  
of All  
Energy Sector Jobs

**11%**  
of New York residents  
employed in EE are  
**Veterans**

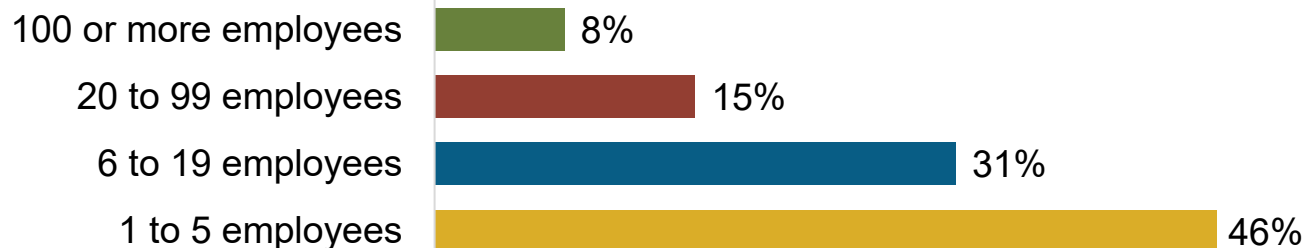
Presented by:



Good for the Economy.  
Good for the Environment.

# 9,124 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	7,622	Albany-Schenectady-Troy	6,081
2	4,203	Binghamton	1,333
3	6,837	Buffalo-Niagara Falls	6,658
4	5,288	Elmira	461
5	1,624	Glens Falls	858
6	2,804	Ithaca	644
7	7,584	Kingston	1,234
8	1,963	New York-Northern NJ-Long Island	75,805
9	880	Poughkeepsie-Newburgh-Middletown	4,320
10	9,569	Rochester	6,484
11	2,266	Syracuse	4,329
12	10,090	Utica-Rome	1,481
13	809	Rural	7,651
14	1,612		
15	1,059		
16	3,450		
17	6,257		
18	5,140		
19	4,864		
20	5,153		
21	3,391		
22	3,784		
23	4,167		
24	4,861		
25	4,389		
26	4,923		
27	2,748		



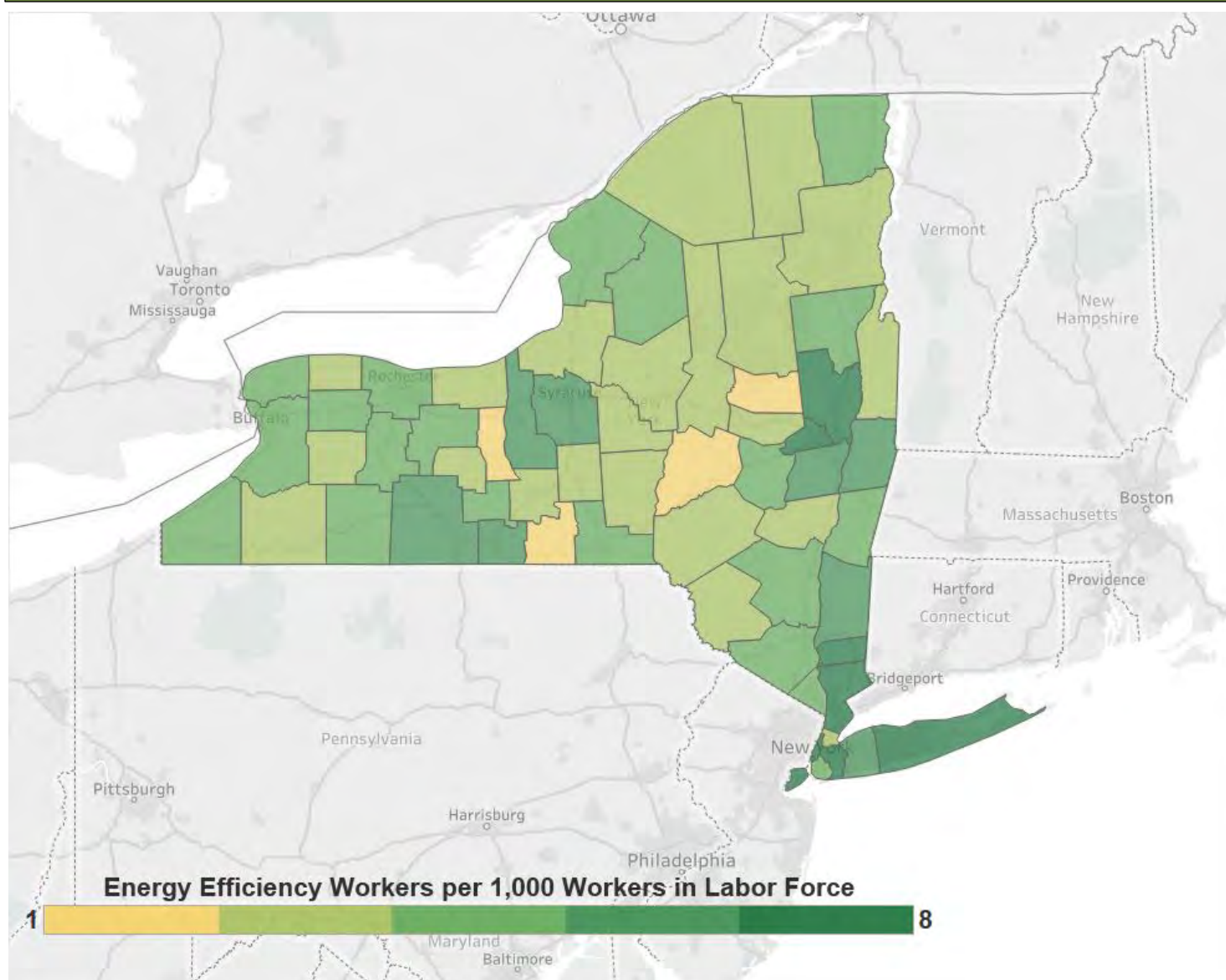
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	3,463		18	1,814		35	3,568		52	1,421
2	4,818		19	369		36	255		53	400
3	2,527		20	1,156		37	2,281		54	1,964
4	864		21	-		38	2,302		55	1,921
5	2,730		22	392		39	2,173		56	2,445
6	4,558		23	1,282		40	2,126		57	1,786
7	2,090		24	765		41	1,803		58	1,011
8	1,073		25	824		42	1,927		59	2,766
9	941		26	5,959		43	3,014		60	2,286
10	1,286		27	13,489		44	2,721		61	1,012
11	1,945		28	1,086		45	1,836		62	1,145
12	2,515		29	1,035		46	1,466		63	204
13	682		30	541		47	1,854			
14	369		31	314		48	800			
15	318		32	886		49	788			
16	185		33	158		50	3,786			
17	3,177		34	1,008		51	1,660			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,048		39	-		77	566		115	891
2	828		40	-		78	596		116	585
3	927		41	1,553		79	188		117	588
4	675		42	369		80	298		118	290
5	1,106		43	322		81	267		119	141
6	1,192		44	748		82	153		120	675
7	1,059		45	510		83	-		121	533
8	1,020		46	392		84	322		122	1,296
9	1,648		47	-		85	125		123	219
10	2,206		48	-		86	-		124	692
11	131		49	204		87	-		125	836
12	47		50	1,030		88	2,102		126	893
13	2,745		51	431		89	820		127	1,090
14	1,020		52	1,067		90	188		128	1,569
15	400		53	322		91	1,485		129	110
16	2,310		54	463		92	1,693		130	1,120
17	141		55	102		93	1,297		131	1,227
18	1,727		56	-		94	871		132	588
19	243		57	-		95	337		133	1,053
20	941		58	243		96	2,004		134	1,234
21	557		59	-		97	251		135	220
22	94		60	24		98	1,177		136	604
23	569		61	1,235		99	1,067		137	1,092
24	902		62	757		100	536		138	47
25	765		63	8		101	1,471		139	487
26	518		64	-		102	1,130		140	908
27	1,114		65	5,583		103	1,131		141	1,755
28	526		66	902		104	696		142	935
29	431		67	3,005		105	668		143	1,279
30	1,739		68	471		106	376		144	643
31	39		69	8		107	1,078		145	471
32	-		70	110		108	1,381		146	220
33	63		71	188		109	948		147	605
34	204		72	78		110	735		148	576
35	-		73	6,982		111	342		149	110
36	337		74	614		112	1,629		150	761
37	16		75	3,699		113	519			
38	78		76	31		114	734			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# NORTH CAROLINA

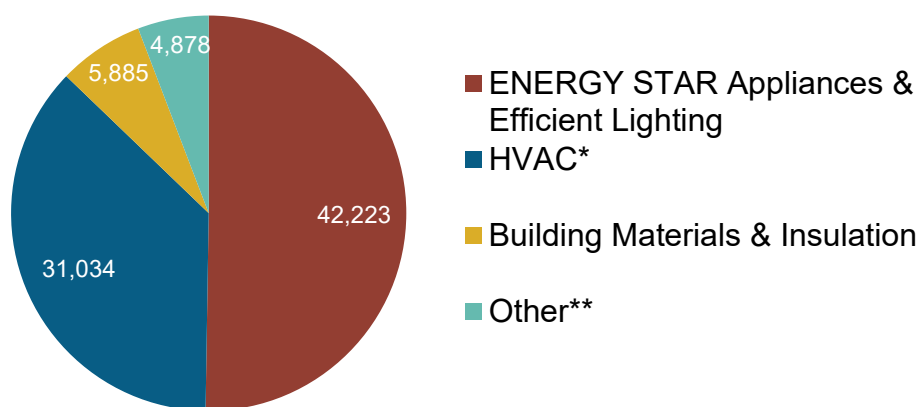
## Energy Efficiency Jobs in America

84,020  
Total Jobs

### What are EE Jobs?

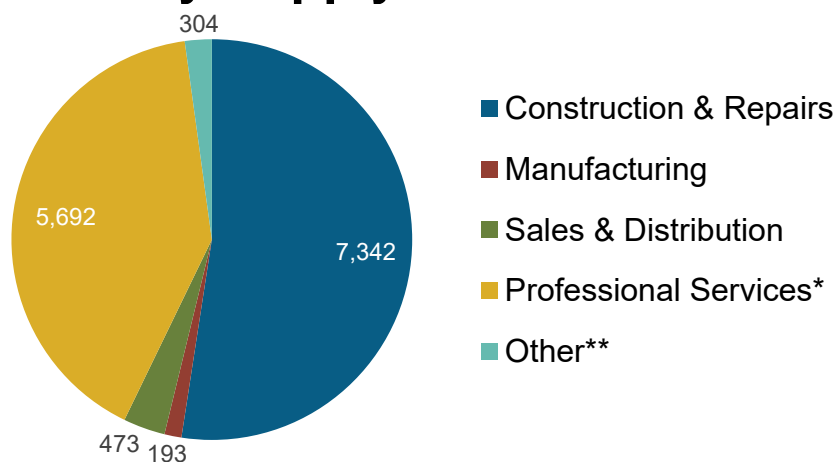
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In North Carolina,  
EE Jobs  
Comprise:

**18%**  
of All  
Construction Jobs

**41%**  
of All  
Energy Sector Jobs

**10%**  
of North Carolina  
residents employed in  
EE are **Veterans**

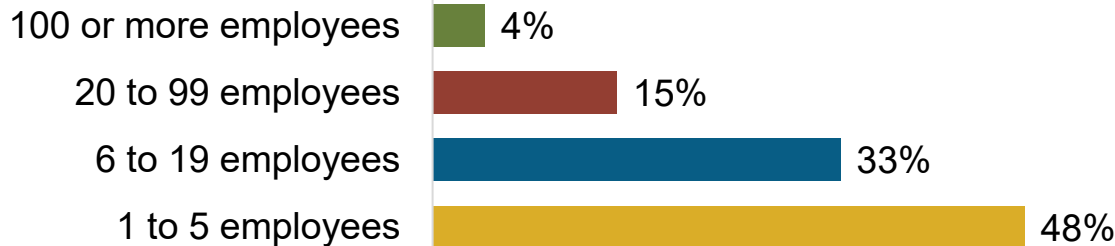
Presented by:



Good for the Economy.  
Good for the Environment.

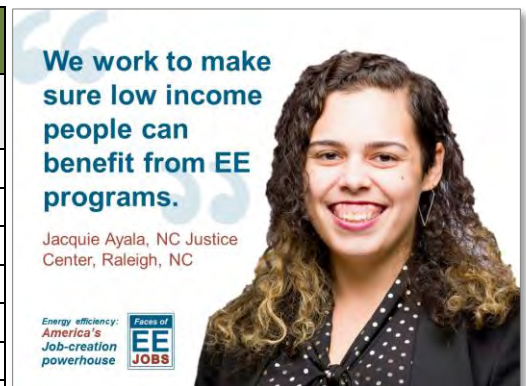
# 14,003 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	9,469	Asheville	5,069
2	9,446	Burlington	1,225
3	6,343	Charlotte-Gastonia-Concord	16,567
4	8,513	Durham	3,976
5	9,809	Fayetteville	2,186
6	5,407	Goldsboro	664
7	4,193	Greensboro-High Point	6,461
8	5,929	Greenville	1,191
9	11,130	Hickory-Lenoir-Morganton	2,766
10	7,303	Jacksonville	932
11	4,660	Raleigh-Cary	12,215
12	505	Rocky Mount	1,149
13	1,314	Virginia Beach-Norfolk-Newport News	659
		Wilmington	4,205
		Winston-Salem	3,648
		Rural	21,107



## State Upper House

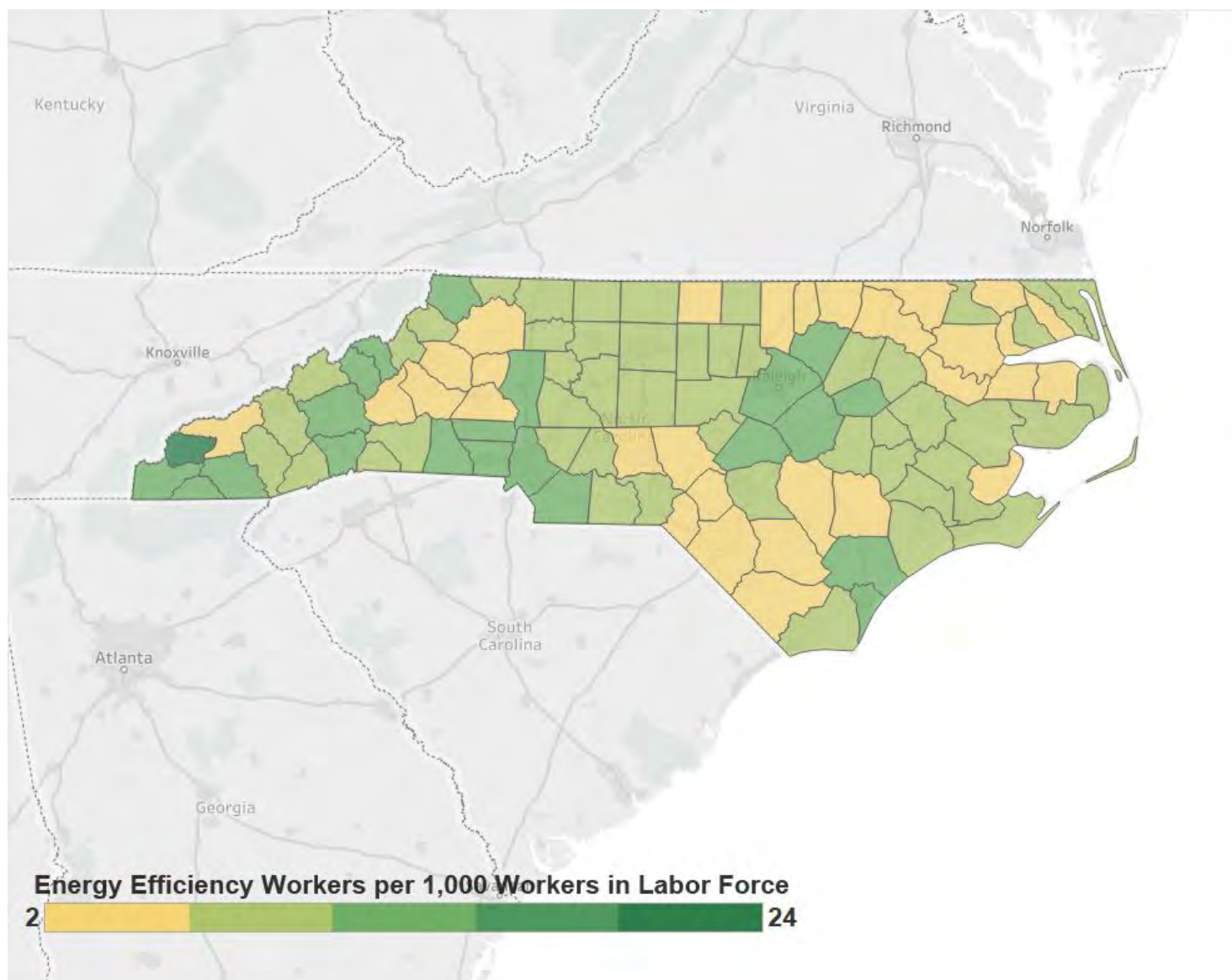
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	3,463		18	1,814		35	3,568		52	1,421
2	4,818		19	369		36	255		53	400
3	2,527		20	1,156		37	2,281		54	1,964
4	864		21	-		38	2,302		55	1,921
5	2,730		22	392		39	2,173		56	2,445
6	4,558		23	1,282		40	2,126		57	1,786
7	2,090		24	765		41	1,803		58	1,011
8	1,073		25	824		42	1,927		59	2,766
9	941		26	5,959		43	3,014		60	2,286
10	1,286		27	13,489		44	2,721		61	1,012
11	1,945		28	1,086		45	1,836		62	1,145
12	2,515		29	1,035		46	1,466		63	204
13	682		30	541		47	1,854			
14	369		31	314		48	800			
15	318		32	886		49	788			
16	185		33	158		50	3,786			
17	3,177		34	1,008		51	1,660			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	935		39	-		77	385		115	452
2	1,189		40	440		78	430		116	236
3	1,132		41	21		79	399		117	-
4	1,192		42	807		80	183		118	624
5	269		43	846		81	11		119	669
6	1,320		44	-		82	2,561		120	580
7	1,343		45	21		83	-			
8	681		46	849		84	1,104			
9	376		47	118		85	1,483			
10	550		48	700		86	786			
11	2,765		49	-		87	86			
12	11		50	1,089		88	5,388			
13	1,139		51	758		89	1,023			
14	698		52	780		90	591			
15	97		53	118		91	21			
16	580		54	462		92	1,977			
17	1,023		55	1,783		93	660			
18	2,057		56	105		94	140			
19	646		57	2,320		95	-			
20	-		58	1,144		96	-			
21	258		59	827		97	161			
22	1,380		60	1,396		98	494			
23	269		61	523		99	563			
24	11		62	103		100	569			
25	193		63	464		101	-			
26	1,225		64	-		102	140			
27	387		65	354		103	-			
28	236		66	32		104	-			
29	1,955		67	606		105	-			
30	945		68	440		106	-			
31	118		69	408		107	-			
32	204		70	782		108	1,332			
33	1,102		71	1,965		109	-			
34	3,334		72	236		110	698			
35	776		73	1,779		111	86			
36	755		74	238		112	455			
37	32		75	236		113	1,794			
38	-		76	1,561		114	2,445			



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# NORTH DAKOTA

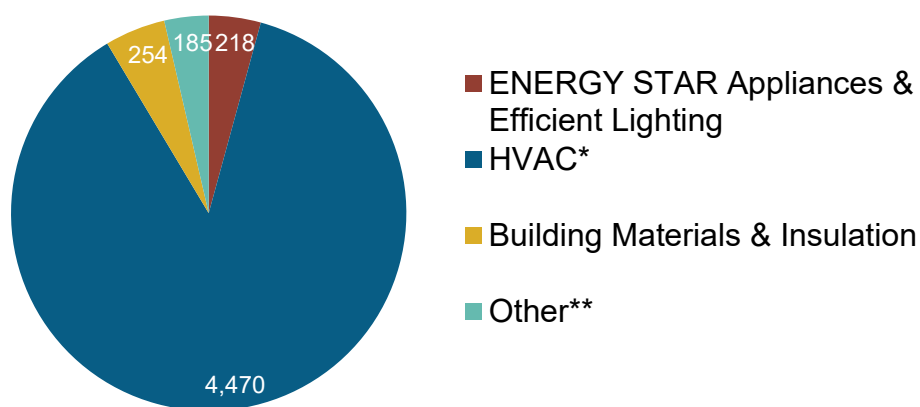
## Energy Efficiency Jobs in America

**5,128**  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
 \*\*Other such as energy audits, building certifications, and software services

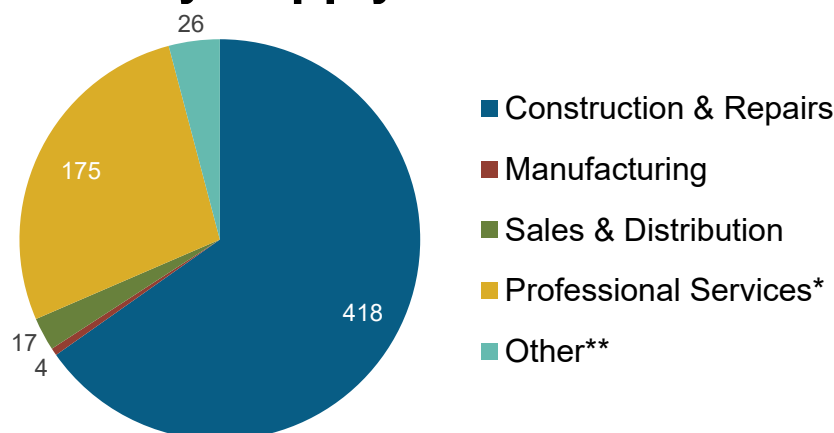
**In North Dakota,  
EE Jobs  
Comprise:**

**12%**  
of All  
Construction Jobs

**11%**  
of All  
Energy Sector Jobs

**8%**  
of North Dakota  
residents employed in  
EE are **Veterans**

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
 \*\*Other such as maintenance, and business and nonprofit organizations

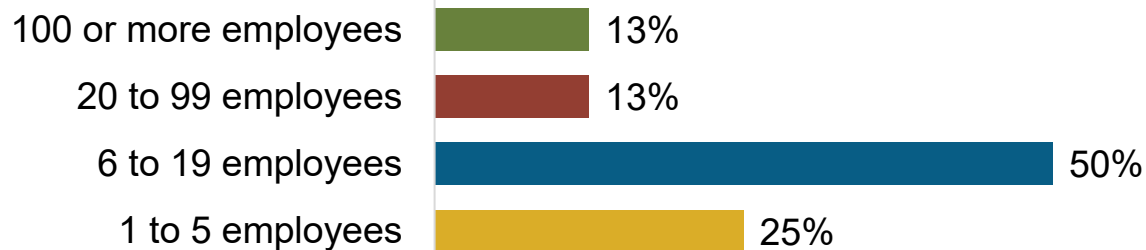
Presented by:



Good for the Economy.  
Good for the Environment.

# 641 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,128	Bismarck	759
		Fargo	1,189
		Grand Forks	384
		Rural	2,797

**I am a furnace technician and inspector.**

Rick Haugstad,  
Southeastern North Dakota  
Community Action Agency,  
Fargo, ND

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS

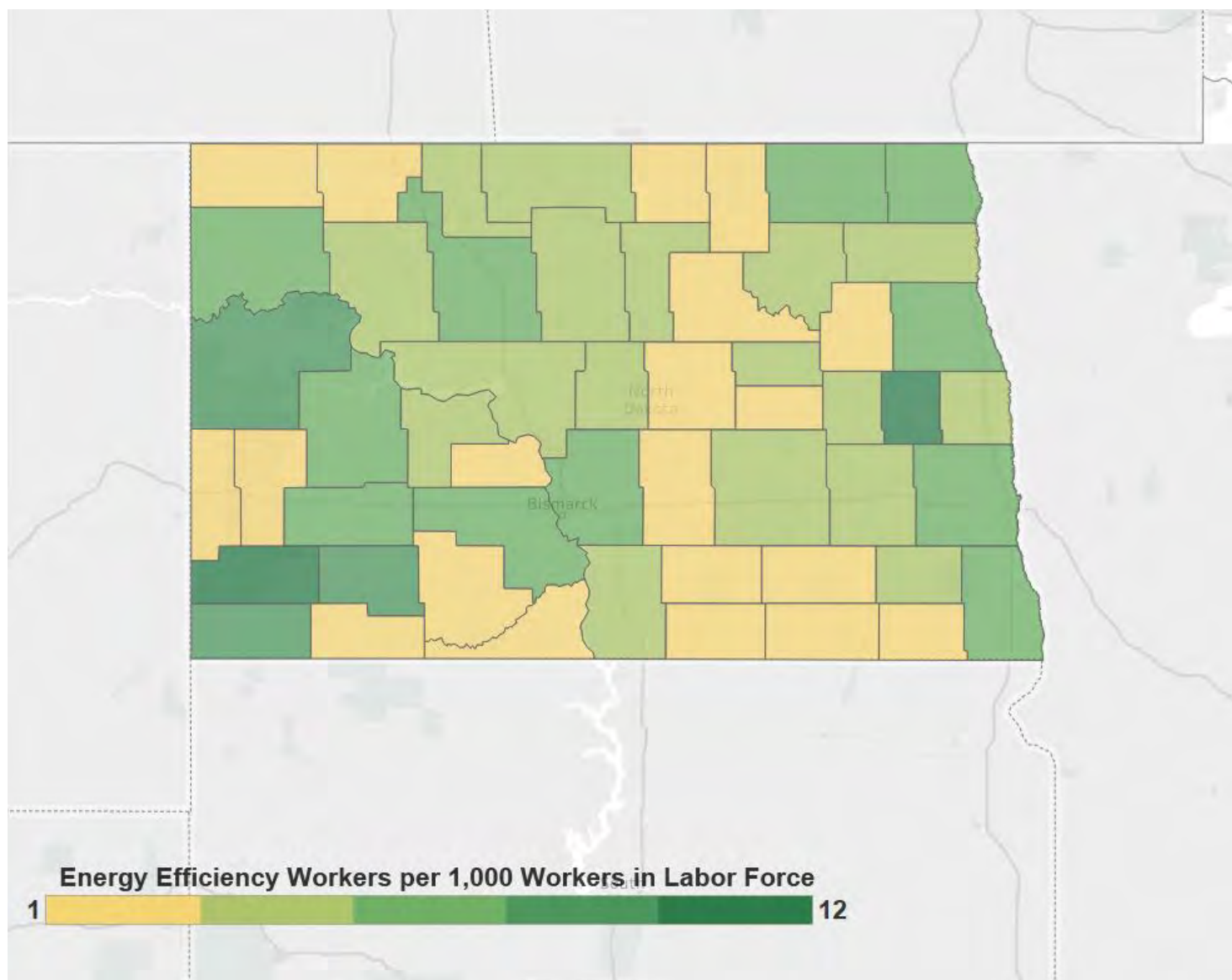
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	351		13	232		25	122		37	-
2	123		14	139		26	110		38	-
3	410		15	89		27	-		39	275
4	135		16	152		28	59		40	-
5	8		17	330		29	21		41	-
6	106		18	8		30	-		42	8
7	567		19	82		31	228		43	-
8	34		20	55		32	-		44	-
9	30		21	334		33	25		45	-
10	101		22	106		34	-		46	-
11	351		23	21		35	-		47	-
12	93		24	135		36	287			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	5,128		25	122		49	-		73	-
1	347		26	110		50	-		74	-
2	123		27	-		51	-		75	-
3	410		28	59		52	-		76	-
4	135		29	21		53	-		77	-
5	8		30	-		54	-		78	-
6	106		31	228		55	-		79	-
7	568		32	-		56	-		80	-
8	34		33	25		57	-		81	-
9	30		34	-		58	-		82	-
10	101		35	-		59	-		83	-
11	351		36	288		60	-		84	-
12	93		37	-		61	-		85	-
13	233		38	-		62	-		86	-
14	140		39	275		63	-		87	-
15	89		40	-		64	-		88	-
16	152		41	-		65	-		89	-
17	330		42	8		66	-		90	-
18	8		43	-		67	-		91	-
19	82		44	-		68	-		92	-
20	55		45	-		69	-		93	-
21	334		46	-		70	-		94	-
22	106		47	-		71	-			
23	21		48	-		72	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# OHIO

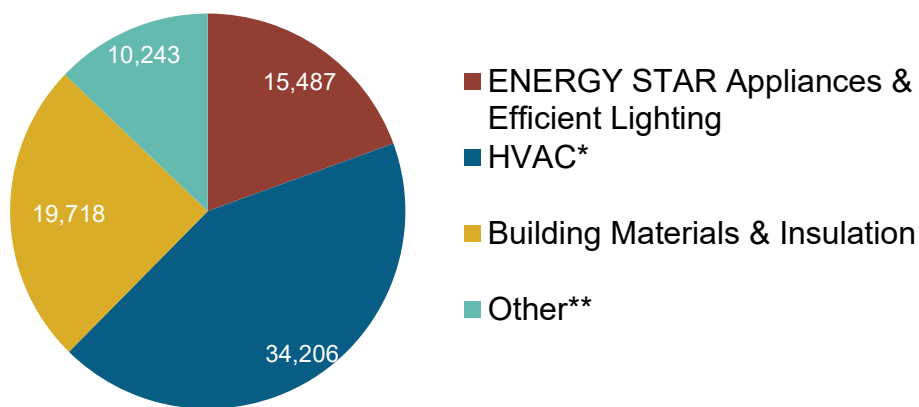
## Energy Efficiency Jobs in America

79,653  
Total Jobs

### What are EE Jobs?

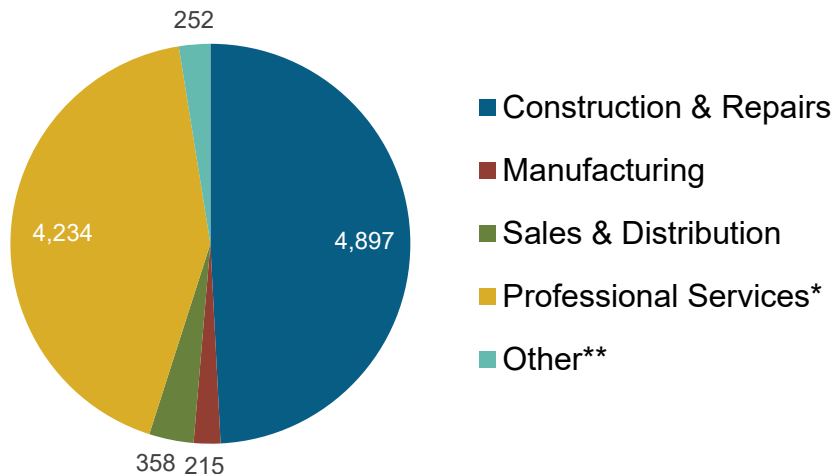
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In Ohio,  
EE Jobs  
Comprise:

**20%**  
of All  
Construction Jobs

**24%**  
of All  
Energy Sector Jobs

**10%**  
of Ohio residents  
employed in EE are  
Veterans

Presented by:

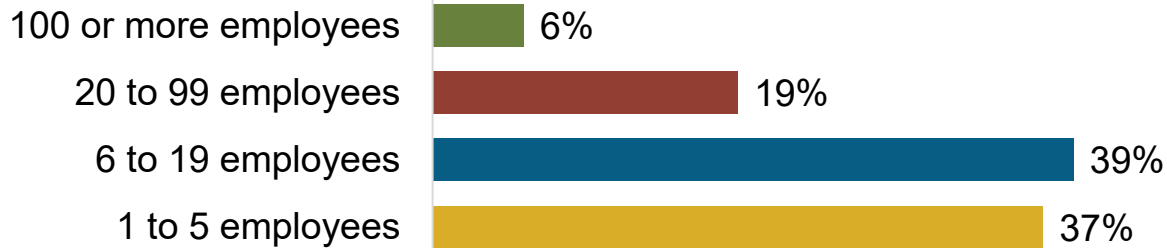


Good for the Economy.  
Good for the Environment.



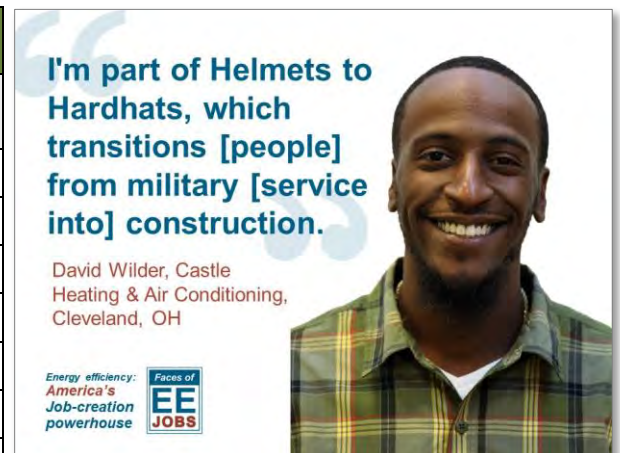
# 9,957 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	8,539	Akron	5,566
2	2,986	Canton-Massillon	2,673
3	7,487	Cincinnati-Middletown	11,442
4	8,070	Cleveland-Elyria-Mentor	15,866
5	5,723	Columbus	12,747
6	5,449	Dayton	5,692
7	6,524	Huntington-Ashland	212
8	3,575	Lima	750
9	3,449	Mansfield	1,042
10	4,059	Parkersburg-Marietta-Vienna	457
11	9,711	Sandusky	468
12	2,620	Springfield	759
13	4,292	Toledo	4,974
14	3,990	Weirton-Steubenville	274
15	1,750	Wheeling	355
16	1,430	Youngstown-Warren-Boardman	3,036
		Rural	13,340

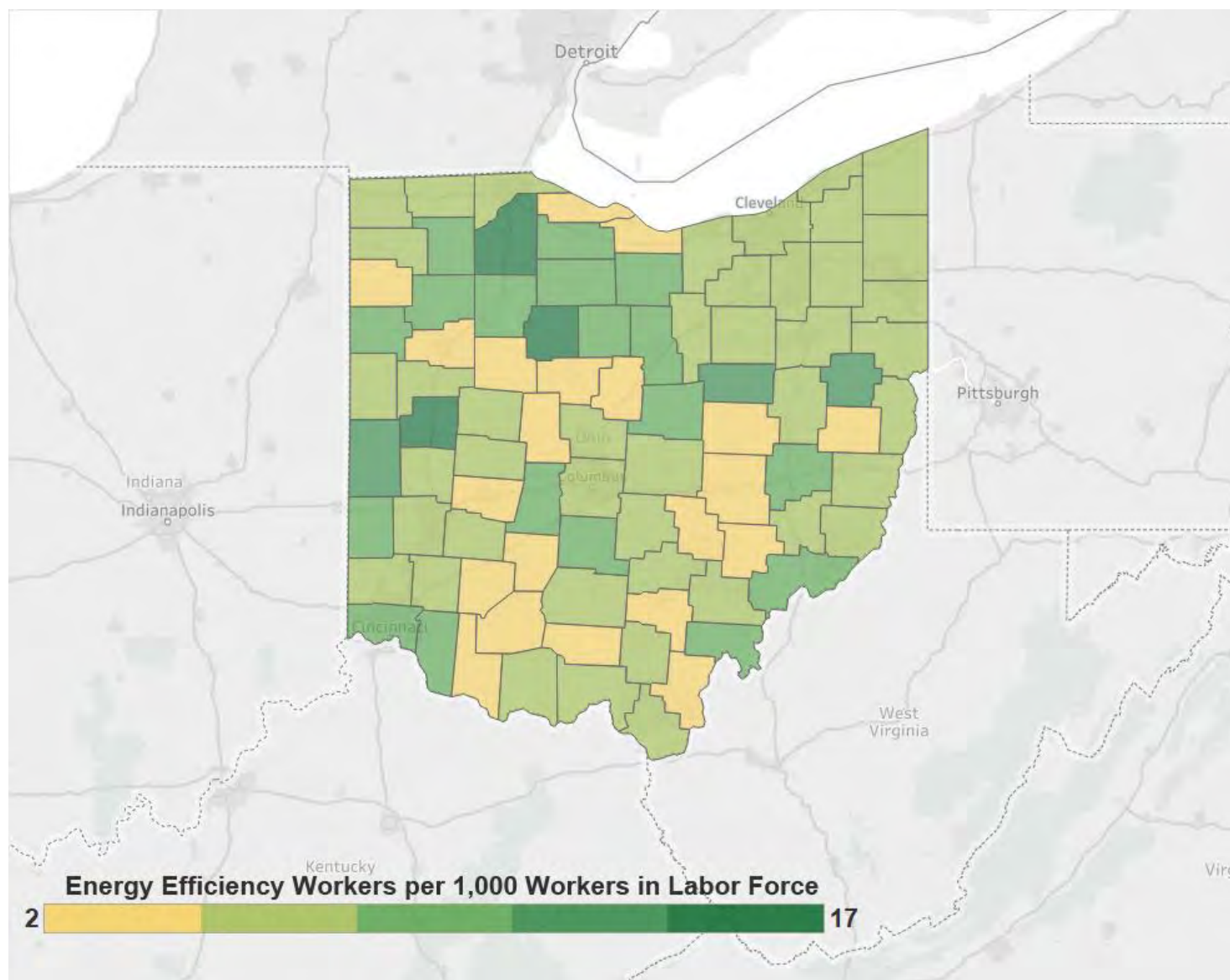




District	Jobs	District	Jobs
1	3,171	18	4,762
2	4,085	19	1,883
3	6,084	20	2,048
4	2,639	21	4,805
5	3,793	22	3,439
6	1,803	23	2,434
7	4,698	24	2,809
8	2,206	25	222
9	828	26	1,351
10	2,449	27	2,200
11	1,297	28	1,697
12	1,571	29	1,909
13	2,483	30	1,705
14	1,563	31	1,476
15	719	32	1,705
16	1,885	33	2,354
17	1,581		

District	Jobs		District	Jobs		District	Jobs
1	997		39	1,883		77	533
2	1,387		40	1,288		78	973
3	1,407		41	1,137		79	426
4	897		42	409		80	667
5	941		43	391		81	773
6	3,633		44	1,732		82	462
7	785		45	284		83	1,021
8	639		46	773		84	861
9	506		47	631		85	178
10	2,664		48	1,065		86	337
11	142		49	480		87	516
12	-		50	142		88	595
13	471		51	817		89	648
14	657		52	667		90	595
15	80		53	115		91	613
16	915		54	737		92	213
17	3,392		55	1,176		93	417
18	861		56	355		94	681
19	1,822		57	690		95	659
20	657		58	1,767		96	444
21	2,347		59	417		97	275
22	71		60	1,654		98	515
23	187		61	293		99	444
24	140		62	266			
25	-		63	746			
26	-		64	293			
27	3,695		65	480			
28	1,599		66	488			
29	1,220		67	1,261			
30	249		68	568			
31	588		69	258			
32	133		70	160			
33	107		71	817			
34	2,182		72	668			
35	719		73	675			
36	1,156		74	560			
37	1,286		75	364			
38	1,083		76	684			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# OKLAHOMA

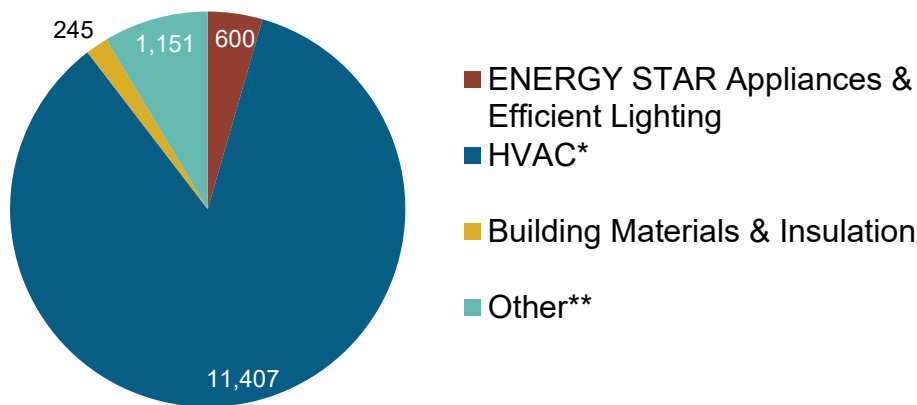
## Energy Efficiency Jobs in America

13,403  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

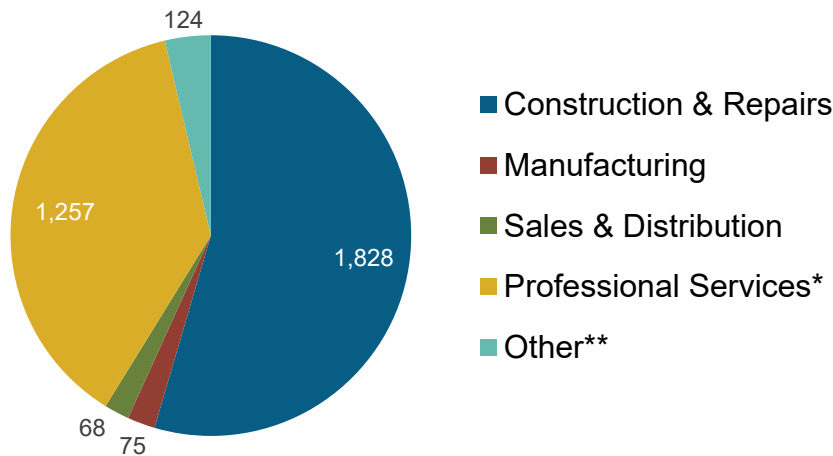
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Oklahoma,  
EE Jobs  
Comprise:

**12%**  
of All  
Construction Jobs

**10%**  
of All  
Energy Sector Jobs

**15%**  
of Oklahoma residents  
employed in EE are  
**Veterans**

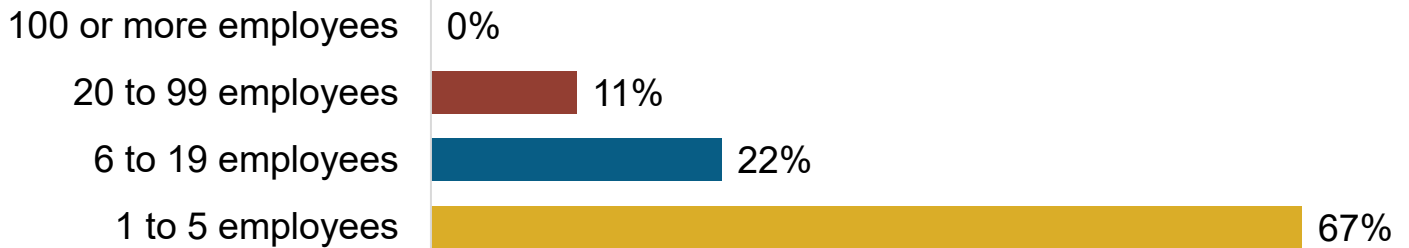
Presented by:



Good for the Economy.  
Good for the Environment.

# 3,351 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	3,754	Fort Smith	114
2	1,944	Lawton	254
3	2,641	Oklahoma City	5,106
4	1,909	Tulsa	3,780
5	3,155	Rural	4,148



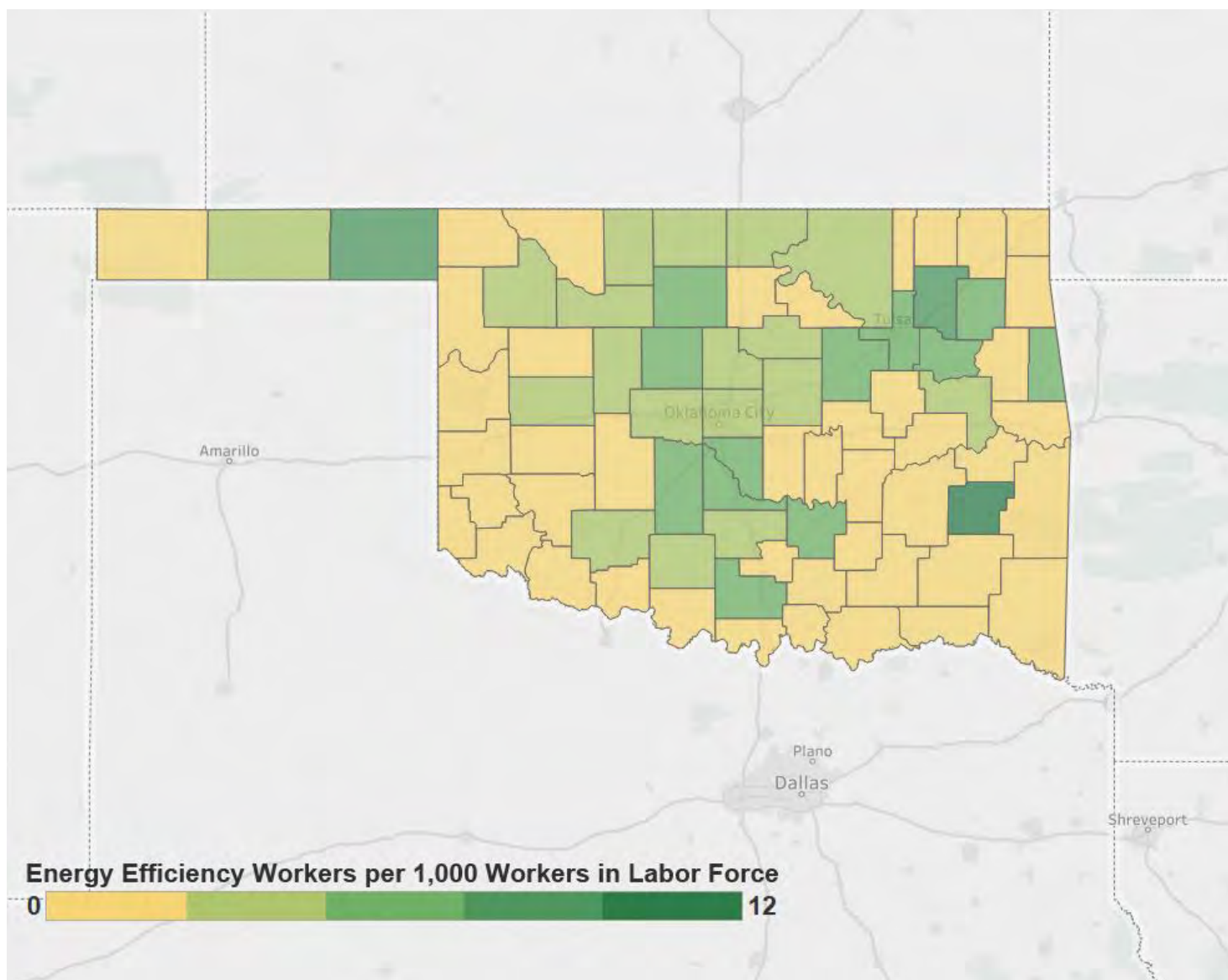
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	409		13	362		25	728		37	-
2	489		14	273		26	292		38	108
3	150		15	700		27	281		39	-
4	104		16	-		28	70		40	390
5	142		17	558		29	142		41	-
6	162		18	400		30	928		42	100
7	273		19	323		31	381		43	85
8	189		20	473		32	12		44	983
9	96		21	204		33	-		45	19
10	445		22	437		34	42		46	69
11	850		23	346		35	752		47	54
12	273		24	92		36	23		48	192

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	73		27	296		53	62		79	-
2	38		28	123		54	337		80	-
3	54		29	200		55	231		81	127
4	146		30	42		56	62		82	212
5	327		31	304		57	62		83	259
6	220		32	100		58	185		84	435
7	19		33	223		59	8		85	263
8	146		34	12		60	8		86	8
9	181		35	46		61	135		87	-
10	280		36	38		62	196		88	493
11	-		37	164		63	62		89	219
12	139		38	319		64	-		90	35
13	112		39	377		65	19		91	-
14	8		40	-		66	454		92	-
15	73		41	302		67	721		93	-
16	150		42	46		68	38		94	88
17	158		43	189		69	-		95	46
18	50		44	215		70	333		96	12
19	158		45	-		71	-		97	176
20	392		46	-		72	300		98	-
21	8		47	165		73	285		99	38
22	389		48	38		74	-		100	-
23	573		49	38		75	-		101	-
24	58		50	104		76	-			
25	-		51	123		77	-			
26	185		52	92		78	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# OREGON

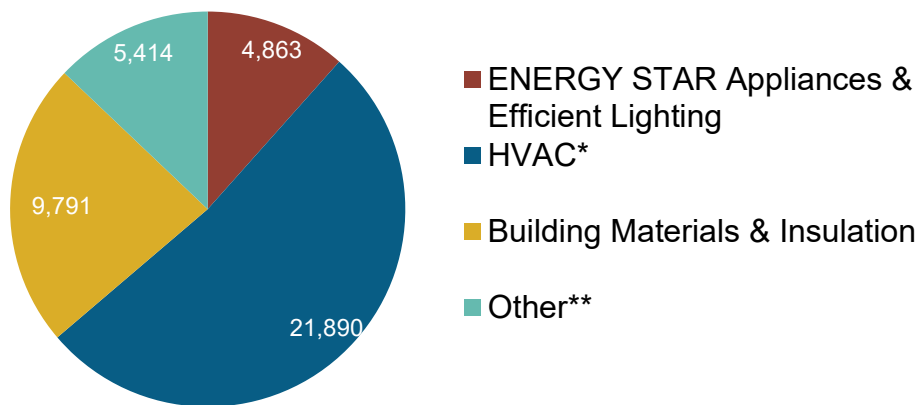
## Energy Efficiency Jobs in America

41,958  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

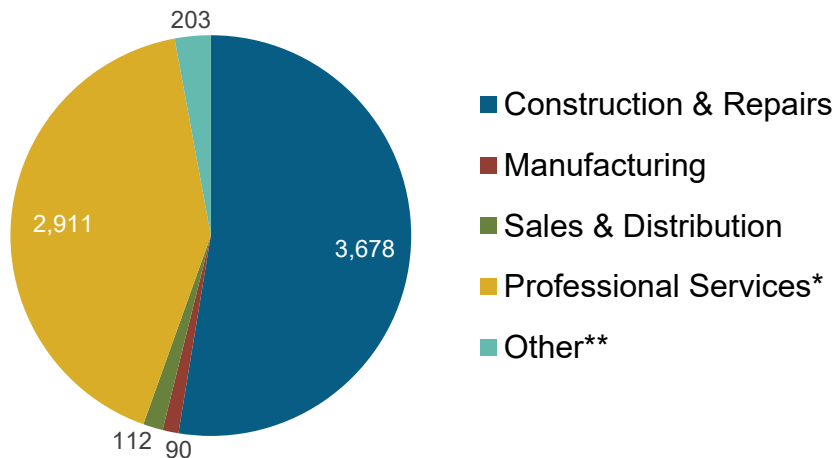
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Oregon,  
EE Jobs  
Comprise:

**26%**  
of All  
Construction Jobs

**44%**  
of All  
Energy Sector Jobs

**14%**  
of Oregon residents  
employed in EE are  
**Veterans**

Presented by:

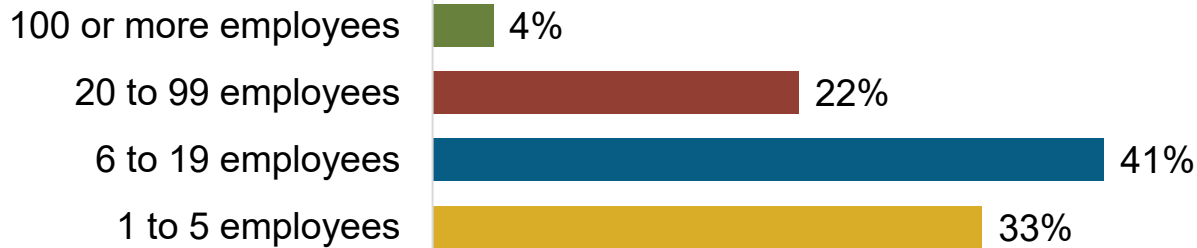


Good for the Economy.  
Good for the Environment.



# 6,993 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	11,185	Bend	2,054
2	8,728	Corvallis	751
3	9,258	Eugene-Springfield	4,125
4	8,344	Medford	2,770
5	4,443	Portland-Vancouver-Beaverton	20,493
		Salem	3,255
		Rural	8,511



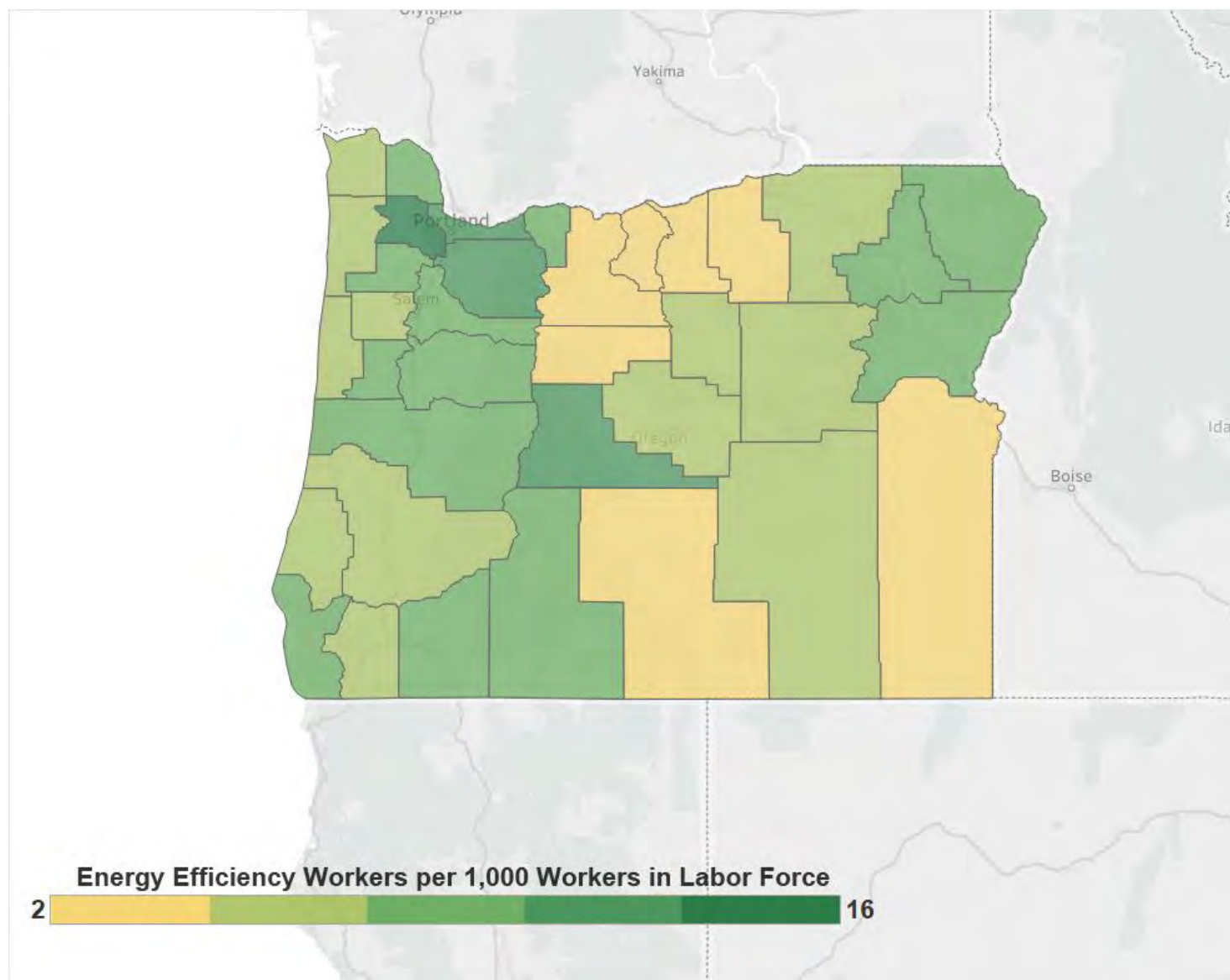
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,780		9	2,233		17	699		25	681
2	1,351		10	1,715		18	3,184		26	294
3	1,216		11	278		19	1,426		27	1,736
4	3,341		12	1,391		20	1,538		28	1,110
5	1,099		13	2,339		21	2,094		29	1,371
6	1,200		14	1,303		22	1,959		30	608
7	166		15	1,135		23	690			
8	1,408		16	1,281		24	331			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,109		16	46		31	655		46	304
2	671		17	720		32	626		47	202
3	18		18	1,449		33	699		48	129
4	1,332		19	1,430		34	-		49	561
5	1,216		20	285		35	460		50	120
6	-		21	-		36	2,724		51	-
7	688		22	278		37	1,426		52	294
8	2,653		23	499		38	-		53	1,736
9	259		24	892		39	1,345		54	-
10	904		25	9		40	193		55	798
11	1,200		26	2,329		41	1,005		56	313
12	-		27	1,303		42	1,089		57	920
13	166		28	-		43	1,003		58	451
14	-		29	749		44	957		59	194
15	1,362		30	386		45	386		60	414

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# PENNSYLVANIA

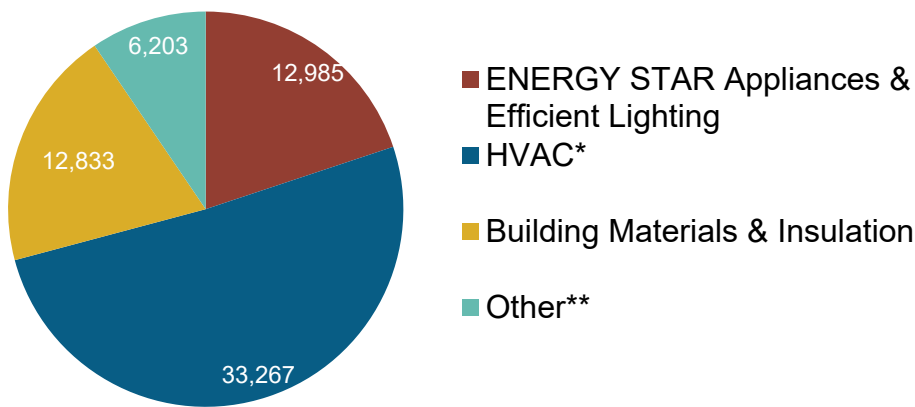
## Energy Efficiency Jobs in America

65,288  
Total Jobs

### What are EE Jobs?

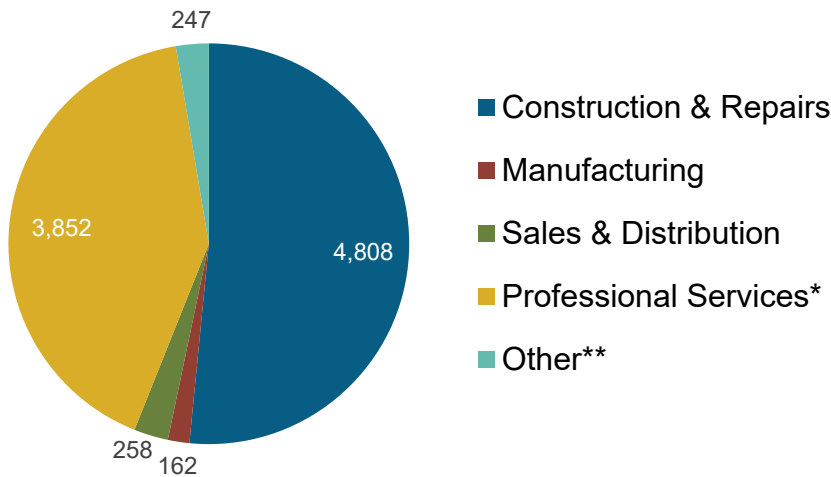
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In Pennsylvania,  
EE Jobs  
Comprise:

**14%**  
of All  
Construction Jobs

**26%**  
of All  
Energy Sector Jobs

**7%**  
of Pennsylvania  
residents employed in  
EE are **Veterans**

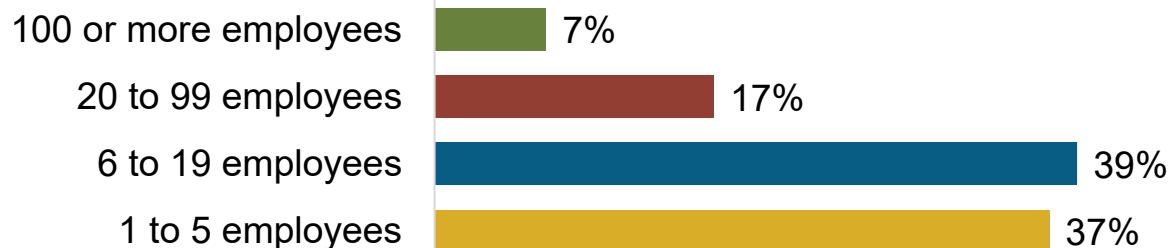
Presented by:



Good for the Economy.  
Good for the Environment.

# 9,327 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	4,279	Allentown-Bethlehem-Easton	3,434
2	3,226	Altoona	672
3	4,424	Erie	1,323
4	4,321	Harrisburg-Carlisle	2,910
5	2,645	Johnstown	481
6	6,786	Lancaster	2,574
7	4,506	Lebanon	581
8	4,966	NY-Northern NJ-Long Island	1,625
9	3,775	Philadelphia-Camden-Wilmington	21,753
10	4,078	Pittsburgh	12,992
11	2,713	Reading	1,758
12	4,465	Scranton--Wilkes-Barre	2,822
13	1,059	State College	671
14	4,713	Williamsport	640
15	3,546	York-Hanover	1,968
16	2,137	Youngstown-Warren-Boardman	379
17	1,597	Rural	8,706
18	2,051		

**I work as an inspector and auditor for a low-income [EE] program.**

Veronica Irizarry,  
Energy Coordinating Agency,  
Philadelphia, PA

Energy efficiency:  
America's  
Job-creation  
powerhouse

**EE**  
JOBS

## State Upper House

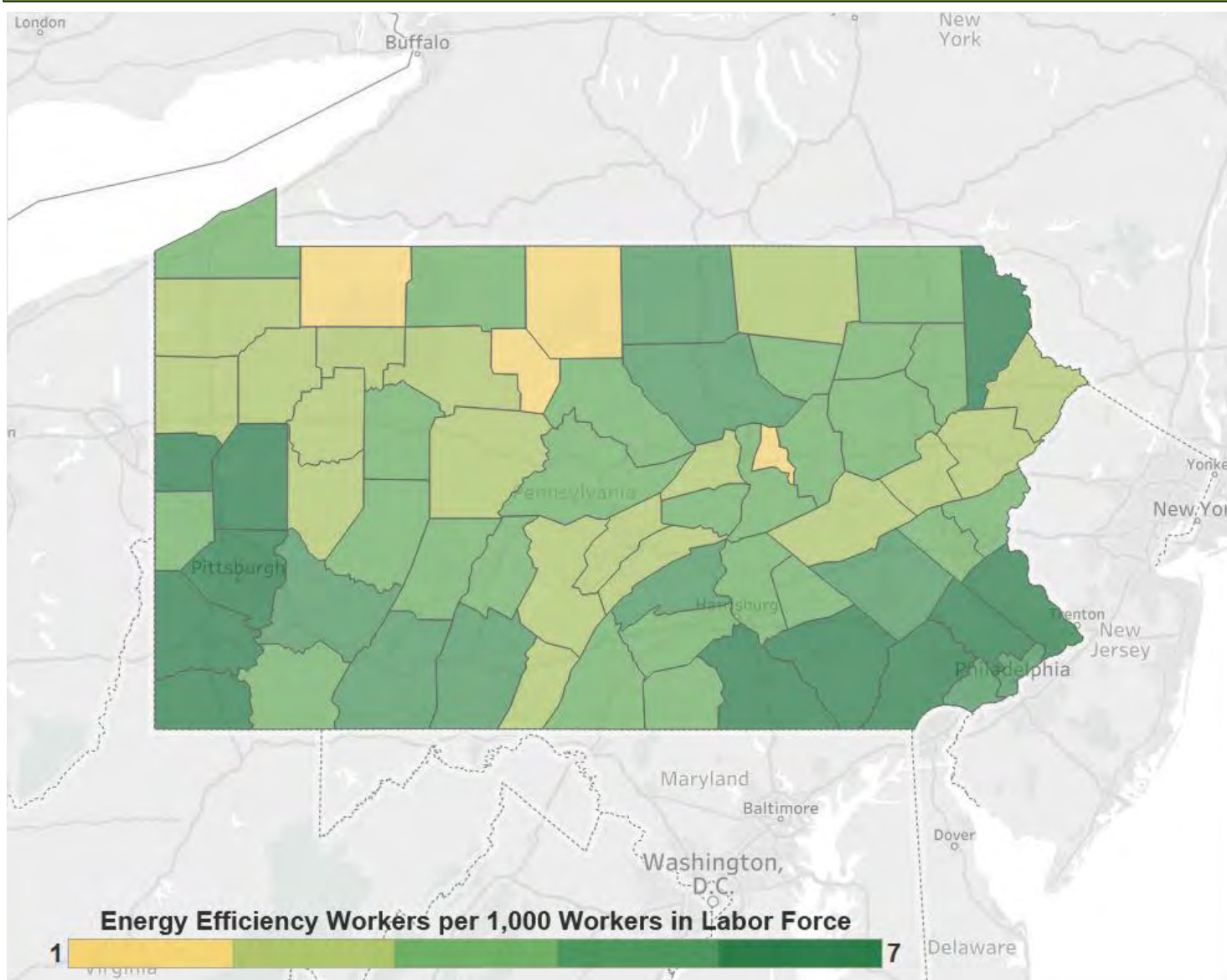
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	3,551		14	1,610		27	869		40	717
2	802		15	1,713		28	1,799		41	1,347
3	263		16	1,833		29	704		42	2,106
4	1,347		17	2,265		30	1,838		43	508
5	177		18	1,129		31	1,187		44	297
6	2,791		19	1,269		32	1,129		45	363
7	1,266		20	1,164		33	618		46	1,132
8	367		21	1,711		34	925		47	1,032
9	3,383		22	1,249		35	815		48	539
10	1,900		23	1,506		36	679		49	1,304
11	1,723		24	783		37	3,301		50	765
12	936		25	1,068		38	1,432			
13	2,045		26	502		39	1,529			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	577		52	184		103	790		154	141
2	476		53	853		104	351		155	365
3	226		54	856		105	-		156	1,767
4	92		55	404		106	-		157	294
5	786		56	31		107	551		158	215
6	367		57	86		108	37		159	465
7	359		58	86		109	116		160	43
8	551		59	294		110	239		161	722
9	398		60	214		111	478		162	324
10	300		61	827		112	686		163	532
11	239		62	312		113	343		164	-
12	459		63	229		114	104		165	331
13	492		64	251		115	478		166	-
14	312		65	214		116	453		167	-
15	484		66	312		117	269		168	12
16	306		67	165		118	361		169	43
17	12		68	594		119	416		170	177
18	653		69	228		120	18		171	24
19	2,283		70	667		121	73		172	386
20	595		71	295		122	233		173	-
21	386		72	159		123	257		174	-
22	676		73	233		124	177		175	1,727
23	147		74	300		125	165		176	116
24	288		75	291		126	312		177	129
25	583		76	814		127	31		178	61
26	773		77	49		128	300		179	159
27	759		78	386		129	49		180	-
28	239		79	547		130	196		181	55
29	859		80	49		131	667		182	1,604
30	24		81	122		132	404		183	129
31	796		82	477		133	588		184	171
32	349		83	532		134	202		185	73
33	153		84	190		135	116		186	55
34	220		85	245		136	318		187	37
35	477		86	367		137	257		188	73
36	190		87	820		138	242		189	24
37	1,406		88	153		139	220		190	55
38	55		89	398		140	517		191	-
39	539		90	12		141	80		192	18
40	619		91	514		142	471		193	282
41	337		92	306		143	972		194	220
42	-		93	453		144	61		195	-
43	591		94	49		145	18		196	6
44	343		95	-		146	162		197	-
45	37		96	-		147	98		198	43
46	129		97	-		148	992		199	-
47	1,022		98	248		149	900		200	-
48	49		99	98		150	18		201	24
49	514		100	141		151	506		202	-
50	104		101	496		152	349		203	-
51	191		102	80		153	294			



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# RHODE ISLAND

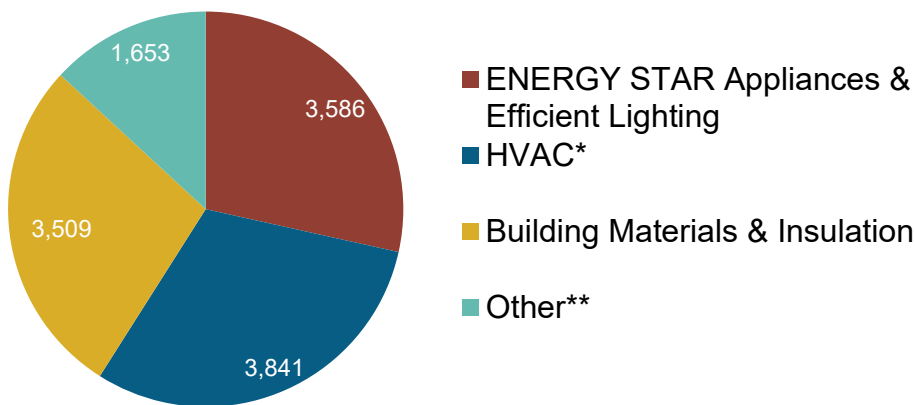
## Energy Efficiency Jobs in America

12,588  
Total Jobs

### What are EE Jobs?

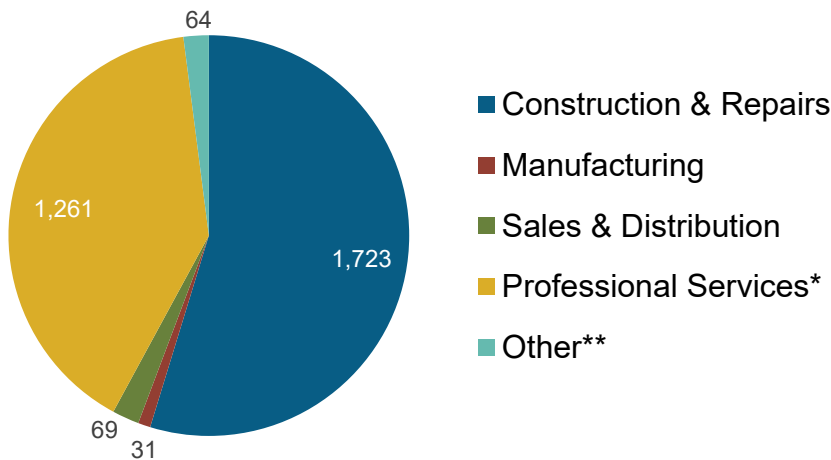
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

In Rhode Island,  
EE Jobs  
Comprise:

**39%**  
of All  
Construction Jobs

**56%**  
of All  
Energy Sector Jobs

**11%**  
of Rhode Island  
residents employed in  
EE are **Veterans**

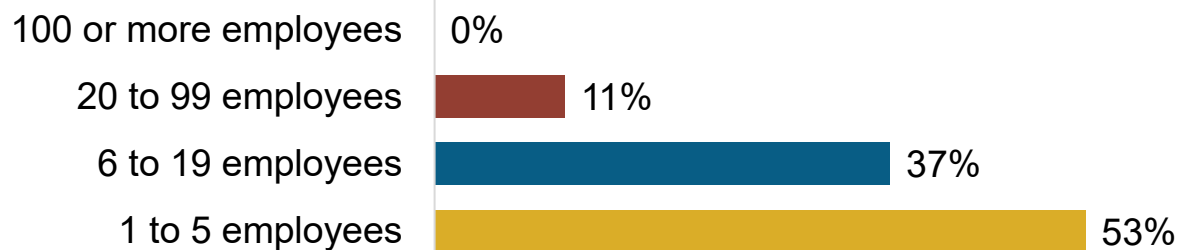
Presented by:



Good for the Economy.  
Good for the Environment.

# 3,147 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	6,971	Rhode Island	12,588
2	5,617		

**I am an energy auditor. I weatherize homes of low income families.**

Kelia Bravo, Comprehensive Community Action Program, Providence, RI

Energy efficiency: America's Job-creation powerhouse

Faces of EE JOBS

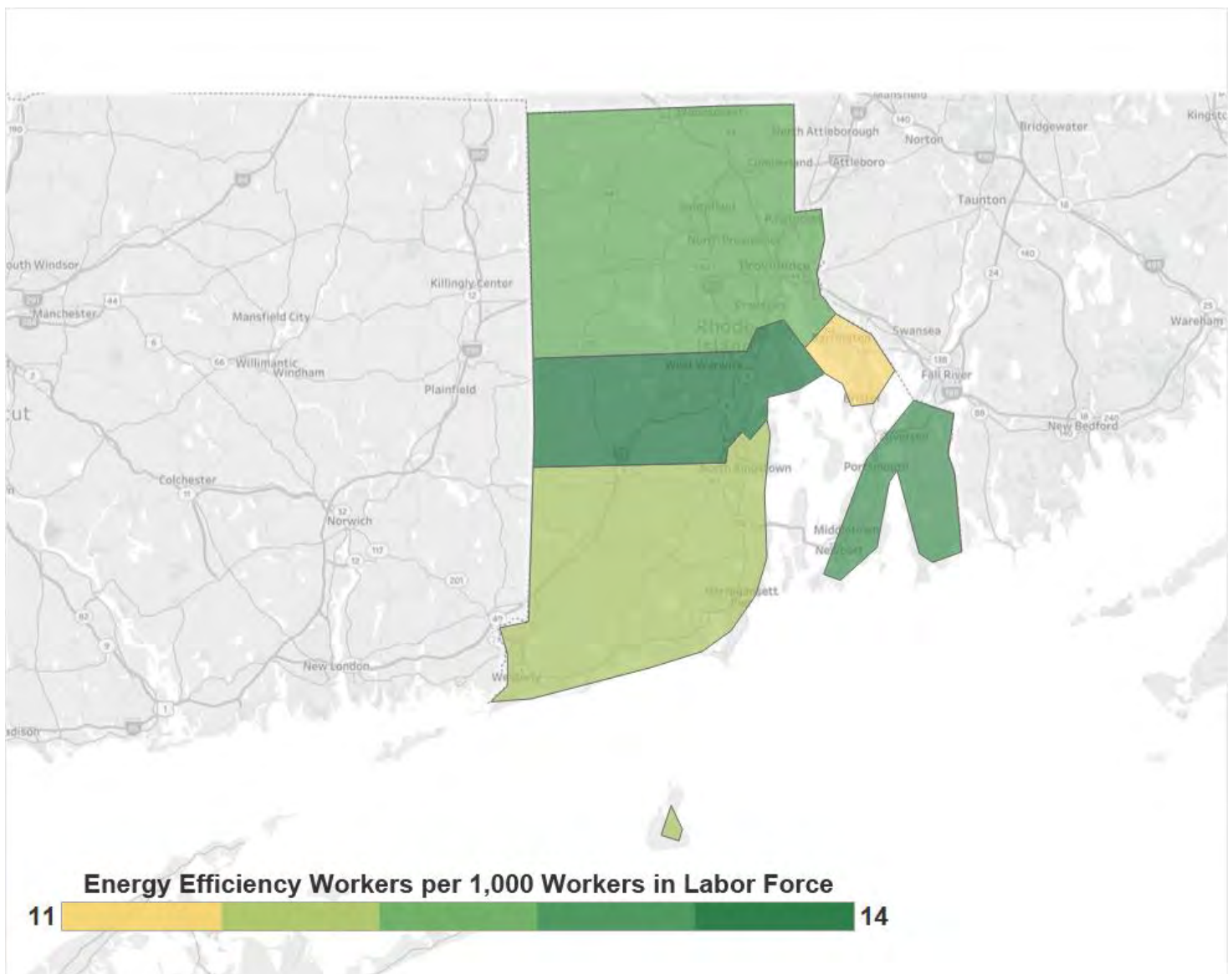
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,411		11	247		21	744		31	-
2	756		12	791		22	417		32	104
3	637		13	83		23	149		33	-
4	97		14	553		24	-		34	568
5	-		15	-		25	-		35	906
6	-		16	70		26	207		36	-
7	853		17	938		27	-		37	49
8	-		18	-		28	-		38	330
9	295		19	-		29	1,253			
10	653		20	276		30	202			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,405		20	665		39	38		58	-
2	492		21	212		40	328		59	-
3	-		22	-		41	-		60	-
4	434		23	-		42	-		61	-
5	-		24	496		43	-		62	-
6	713		25	337		44	609		63	400
7	-		26	-		45	380		64	153
8	-		27	-		46	-		65	-
9	446		28	83		47	115		66	104
10	264		29	97		48	160		67	163
11	-		30	-		49	276		68	285
12	-		31	549		50	-		69	247
13	-		32	-		51	-		70	344
14	-		33	580		52	-		71	101
15	207		34	-		53	-		72	282
16	-		35	-		54	-		73	409
17	-		36	543		55	-		74	83
18	-		37	-		56	70		75	-
19	376		38	143		57	-		76	-

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# SOUTH CAROLINA

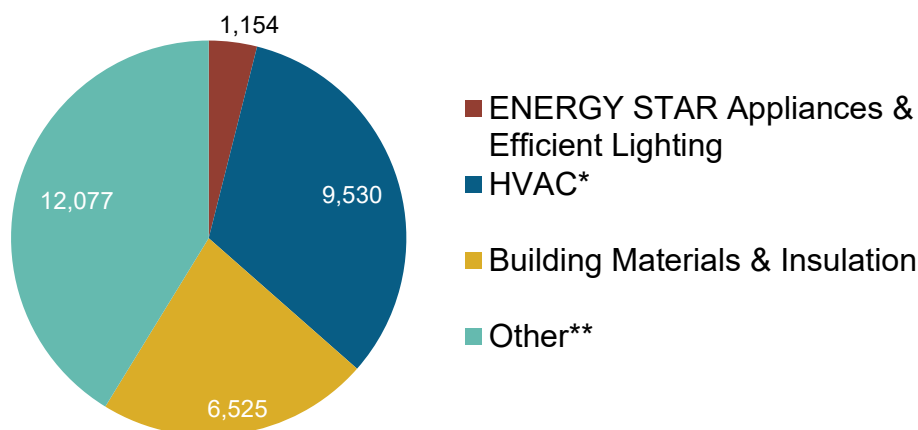
## Energy Efficiency Jobs in America

29,286  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

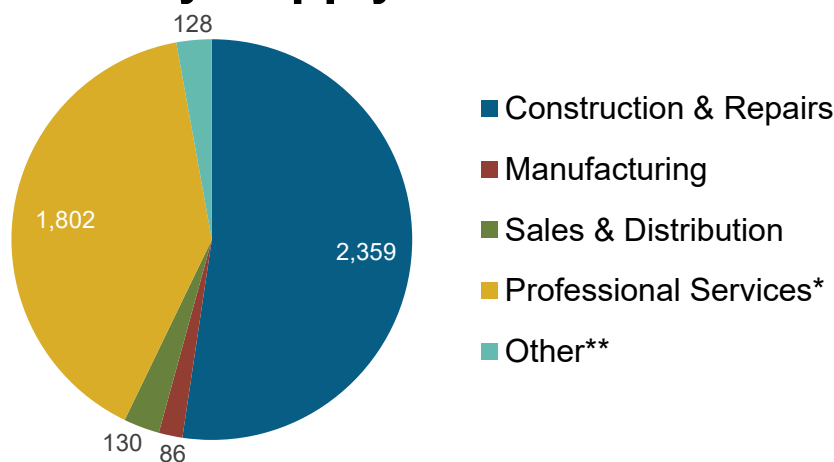
**In South Carolina,  
EE Jobs  
Comprise:**

**13%**  
of All  
Construction Jobs

**22%**  
of All  
Energy Sector Jobs

**13%**  
of South Carolina  
residents employed in  
EE are **Veterans**

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

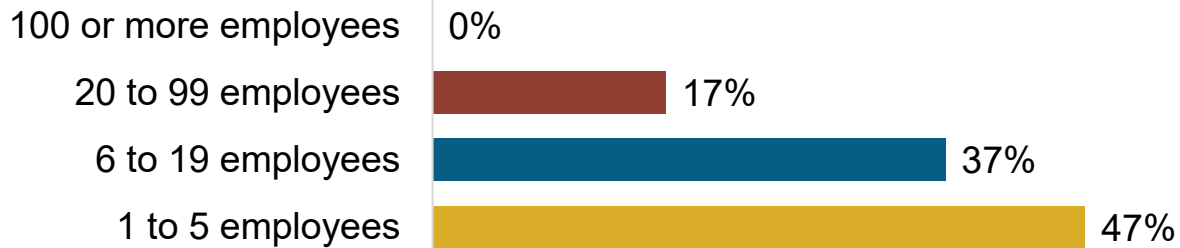
Presented by:



Good for the Economy.  
Good for the Environment.

# 4,506 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	6,598	Anderson	894
2	4,342	Augusta-Richmond County	740
3	3,703	Charleston-North Charleston	5,329
4	4,733	Charlotte-Gastonia-Concord	1,654
5	3,074	Columbia	4,762
6	2,823	Florence	1,121
7	4,012	Greenville-Mauldin-Easley	4,812
		Myrtle Beach-Conway-N. Myrtle Beach	2,218
		Spartanburg	1,602
		Sumter	523
		Rural	5,629



## State Upper House

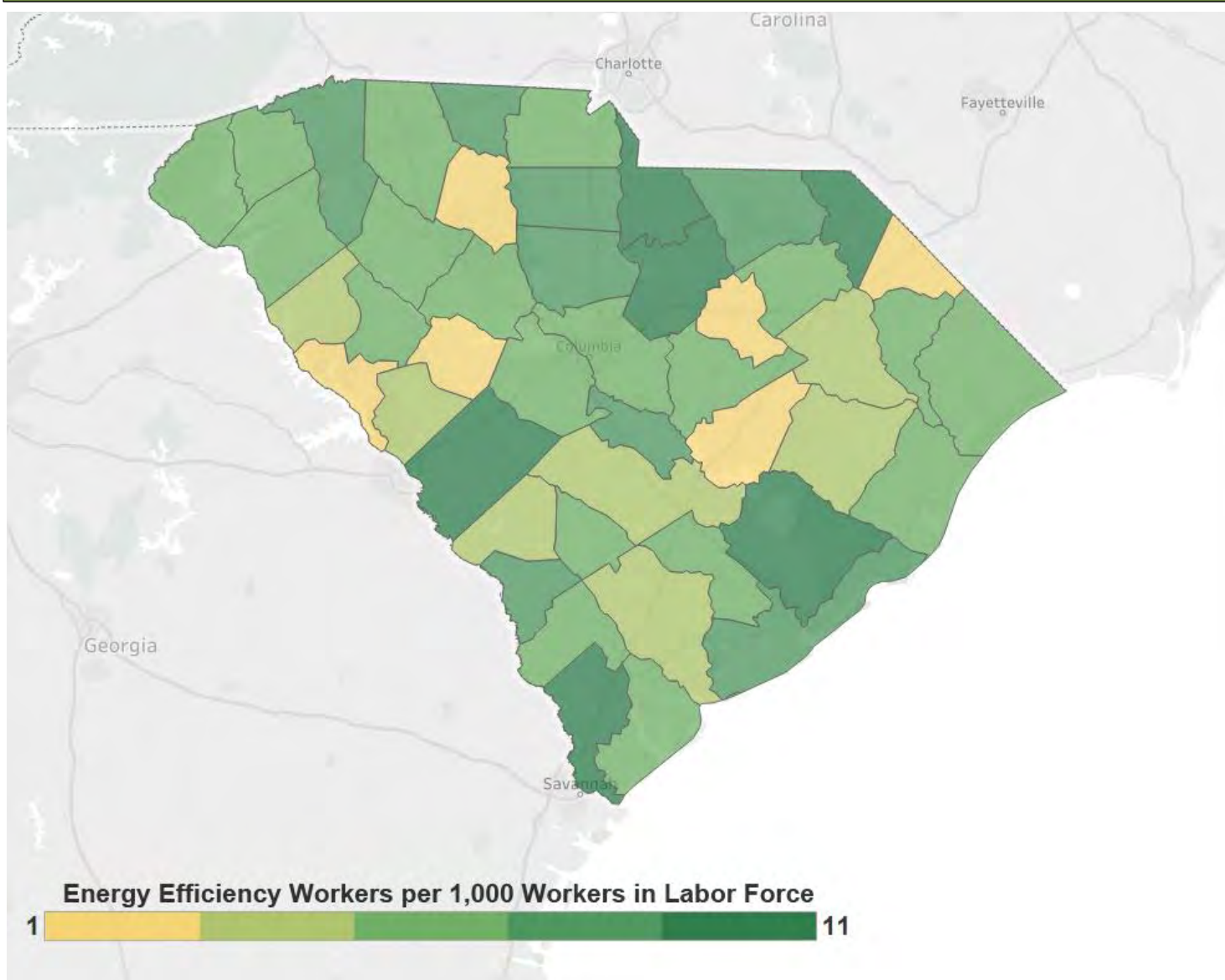
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	449		13	241		25	25		37	1,512
2	575		14	499		26	200		38	843
3	950		15	1,112		27	557		39	682
4	449		16	291		28	1,350		40	216
5	1,205		17	233		29	898		41	1,179
6	2,123		18	1,025		30	151		42	727
7	482		19	2,001		31	150		43	841
8	249		20	511		32	396		44	-
9	283		21	249		33	889		45	615
10	316		22	75		34	1,348		46	407
11	1,072		23	549		35	424			
12	150		24	665		36	125			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	324		32	-		63	-		94	224
2	25		33	-		64	141		95	-
3	225		34	83		65	-		96	8
4	224		35	-		66	359		97	166
5	91		36	158		67	-		98	399
6	876		37	-		68	623		99	1,022
7	33		38	-		69	1,035		100	67
8	75		39	464		70	200		101	153
9	-		40	218		71	177		102	8
10	233		41	249		72	1,581		103	316
11	457		42	125		73	-		104	316
12	67		43	50		74	269		105	-
13	58		44	291		75	-		106	325
14	308		45	-		76	249		107	-
15	698		46	-		77	-		108	50
16	299		47	-		78	-		109	487
17	798		48	-		79	-		110	591
18	249		49	-		80	-		111	607
19	-		50	457		81	441		112	-
20	531		51	399		82	58		113	-
21	707		52	83		83	150		114	316
22	786		53	166		84	50		115	264
23	316		54	133		85	-		116	58
24	91		55	349		86	42		117	-
25	-		56	635		87	-		118	648
26	813		57	108		88	108		119	-
27	-		58	333		89	75		120	715
28	-		59	674		90	349		121	349
29	1,006		60	100		91	133		122	33
30	25		61	116		92	416		123	-
31	1,089		62	-		93	67		124	42



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# SOUTH DAKOTA

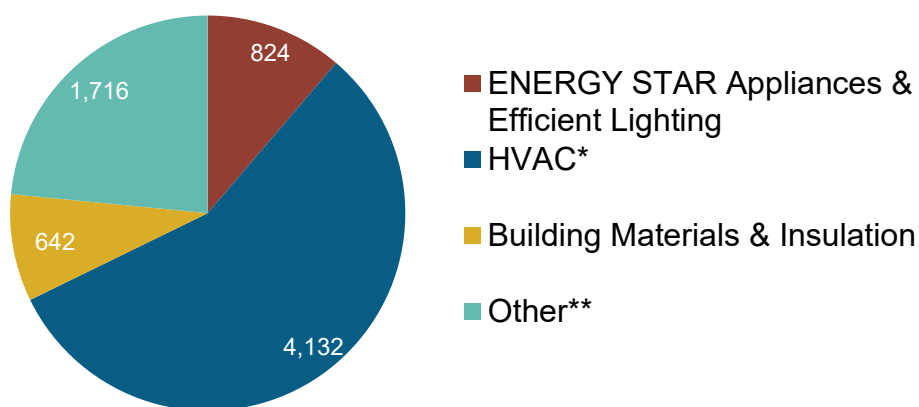
## Energy Efficiency Jobs in America

7,313  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

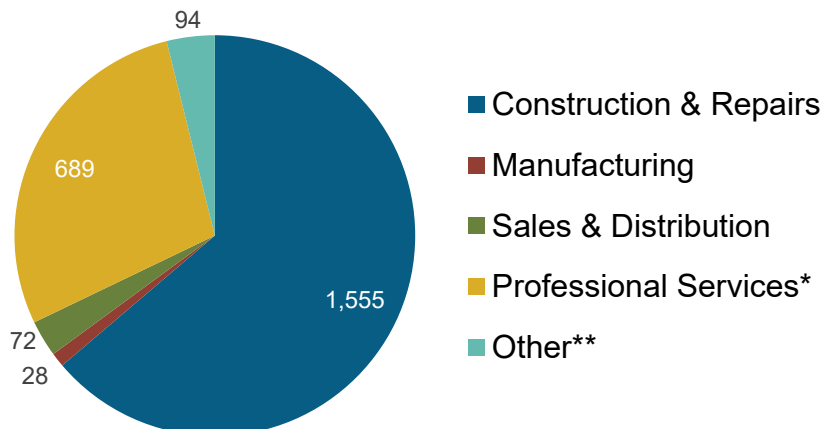
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

**In South Dakota,  
EE Jobs  
Comprise:**

**20%**  
of All  
Construction Jobs

**30%**  
of All  
Energy Sector Jobs

**13%**  
of South Dakota  
residents employed in  
EE are **Veterans**

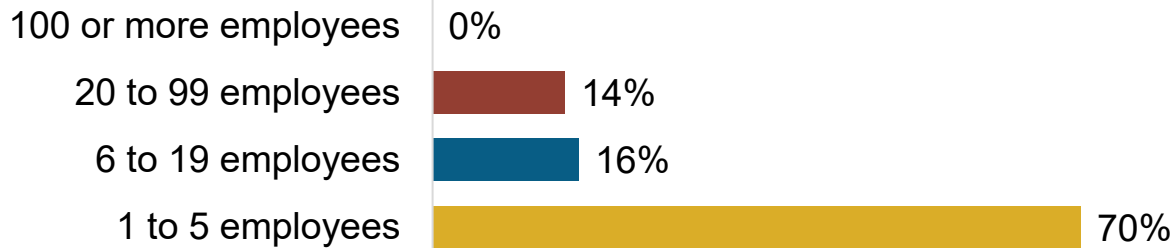
Presented by:



Good for the Economy.  
Good for the Environment.

# 2,438 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	7,313	Rapid City	1,323
		Sioux City	154
		Sioux Falls	2,060
		Rural	3,775



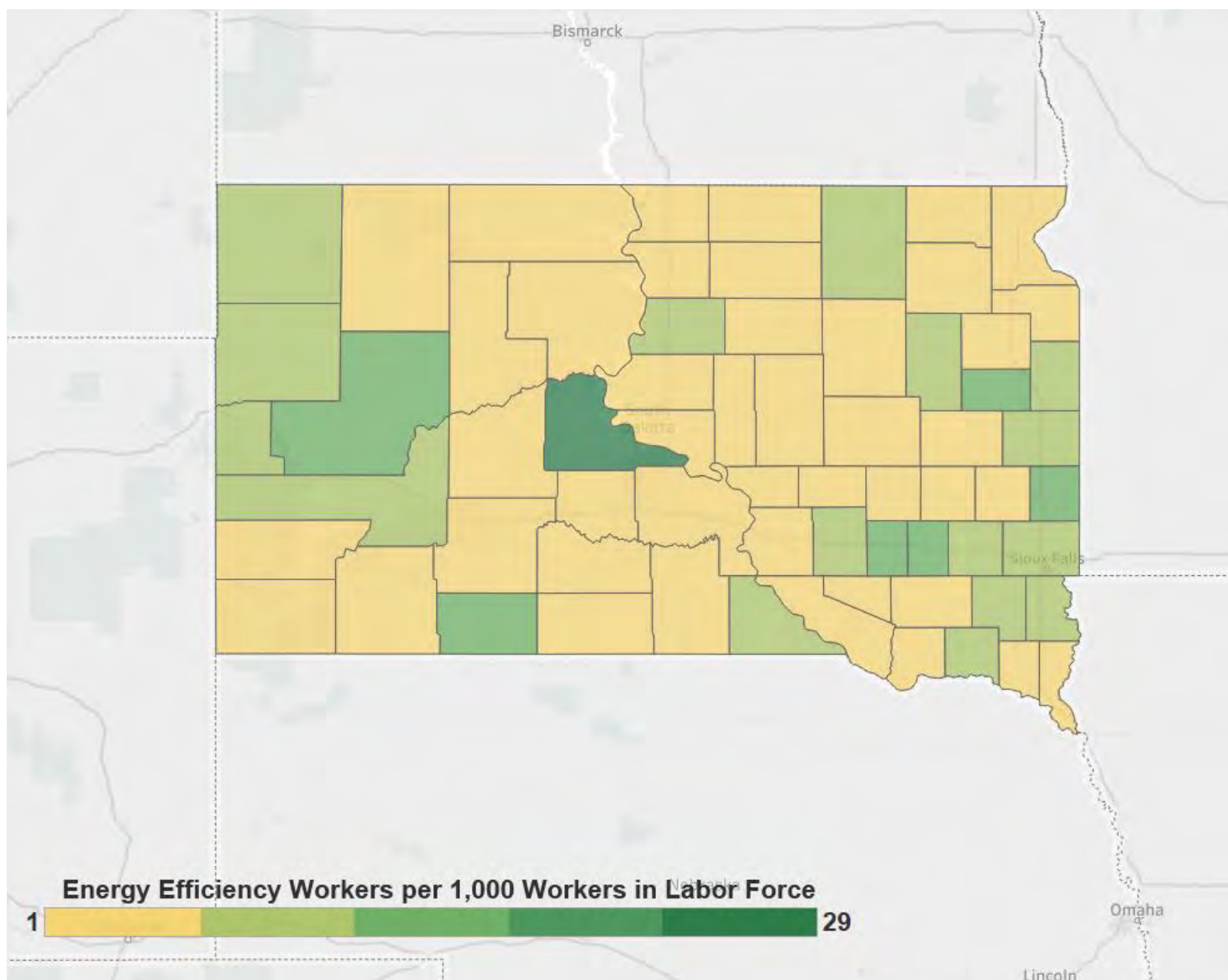
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	626		10	282		19	398		28	282
2	202		11	-		20	43		29	1,162
3	-		12	224		21	173		30	252
4	636		13	-		22	217		31	94
5	-		14	-		23	195		32	-
6	578		15	-		24	313		33	-
7	-		16	173		25	14		34	-
8	170		17	159		26	101		35	-
9	880		18	43		27	94			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	625		19	397		37	-		55	-
2	202		20	43		38	-		56	-
3	-		21	173		39	-		57	-
4	636		22	188		40	-		58	-
5	-		23	195		41	-		59	-
6	578		24	313		42	-		60	-
7	-		25	14		43	-		61	-
8	170		26	-		44	-		62	-
9	879		27	94		45	-		63	-
10	282		28	-		46	-		64	-
11	-		29	1,269		47	-		65	-
12	224		30	252		48	-		66	-
13	-		31	246		49	-		67	-
14	-		32	-		50	-		68	-
15	-		33	-		51	-		69	-
16	173		34	-		52	-		70	-
17	159		35	-		53	-			
18	202		36	-		54	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# TENNESSEE

## Energy Efficiency Jobs in America

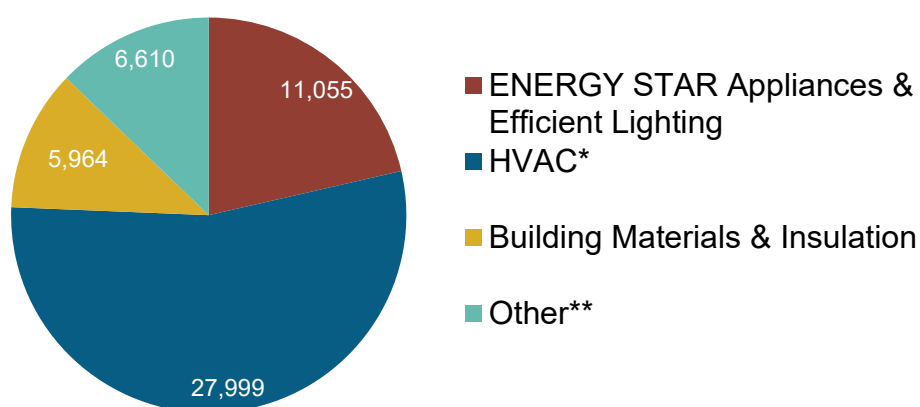
51,629

Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

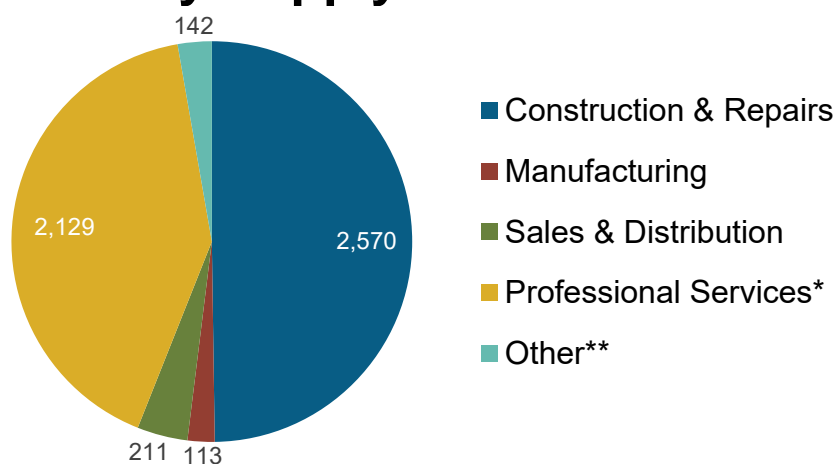
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Tennessee,  
EE Jobs  
Comprise:

**26%**  
of All  
Construction Jobs

**25%**  
of All  
Energy Sector Jobs

**12%**  
of Tennessee  
residents employed in  
EE are **Veterans**

Presented by:

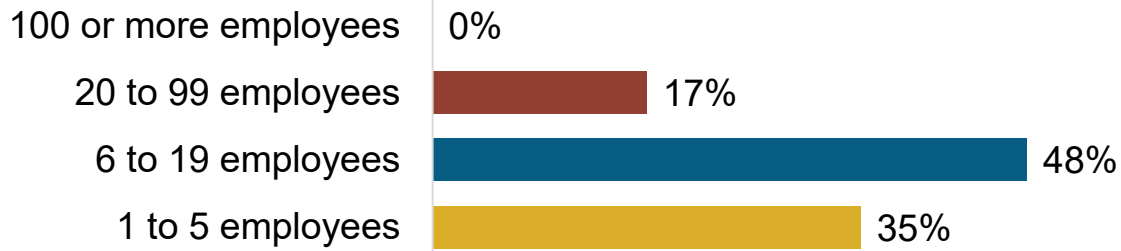


Good for the Economy.  
Good for the Environment.



# 5,163 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,402	Chattanooga	3,685
2	7,320	Clarksville	965
3	5,380	Cleveland	764
4	5,182	Jackson	1,169
5	9,781	Johnson City	1,466
6	3,906	Kingsport-Bristol-Bristol	1,550
7	3,115	Knoxville	7,204
8	7,878	Memphis	8,833
9	3,665	Morristown	907
		Nashville-Davidson-Murfreesboro-Franklin	14,709
		Rural	10,376





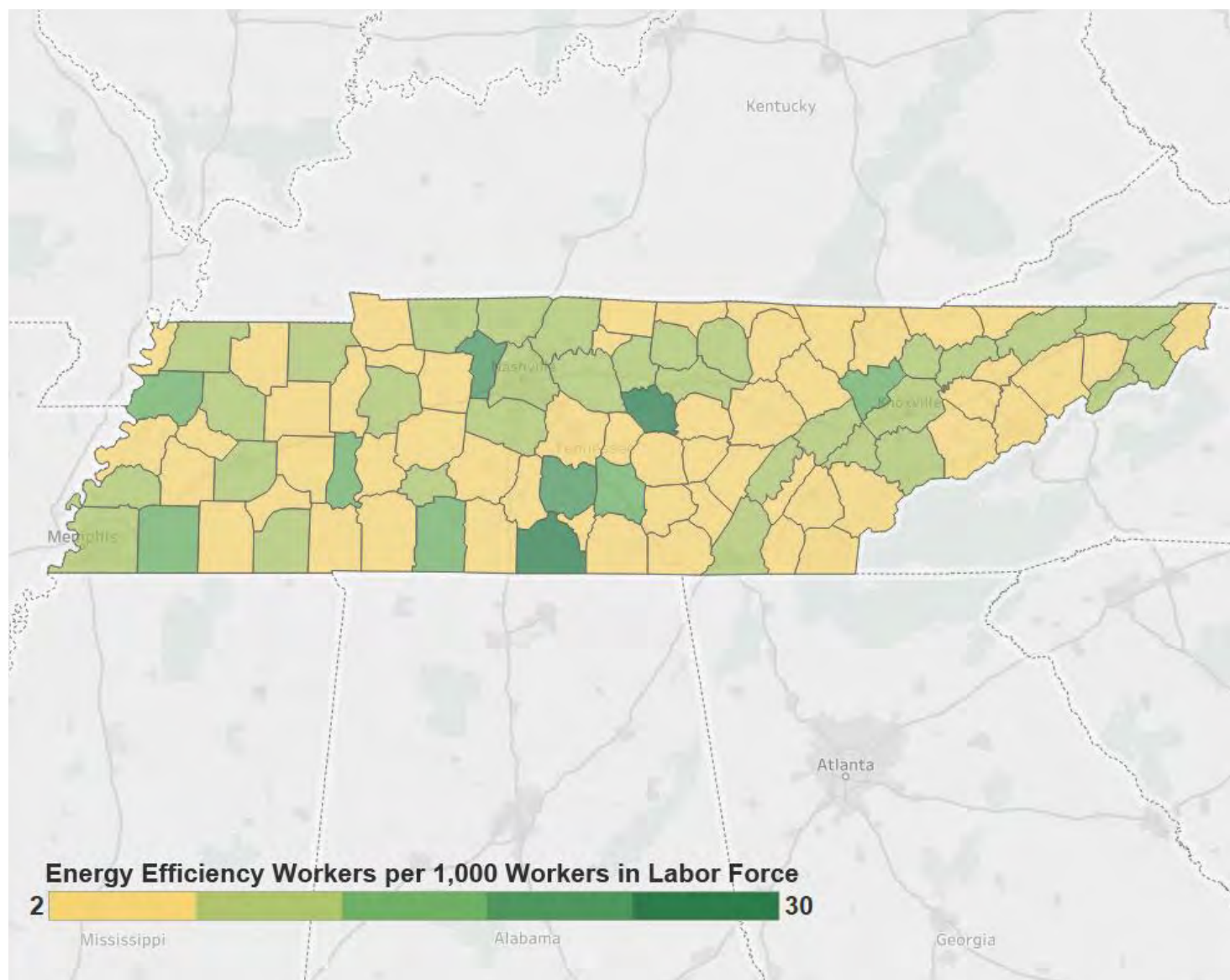
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,082		10	2,881		19	5,668		28	630
2	1,533		11	514		20	2,751		29	3,377
3	1,700		12	971		21	-		30	2,289
4	1,253		13	2,057		22	1,128		31	1,461
5	2,896		14	1,646		23	832		32	244
6	2,503		15	1,627		24	2,056		33	353
7	504		16	867		25	857			
8	387		17	1,098		26	1,895			
9	1,220		18	1,625		27	726			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,140		26	2,217		51	3,618		76	514
2	412		27	282		52	1,131		77	333
3	756		28	765		53	1,298		78	121
4	504		29	10		54	-		79	292
5	567		30	121		55	605		80	151
6	161		31	422		56	81		81	355
7	-		32	629		57	-		82	179
8	1,402		33	202		58	81		83	3,208
9	131		34	1,542		59	-		84	1,236
10	584		35	181		60	-		85	141
11	437		36	242		61	601		86	1,340
12	544		37	505		62	151		87	256
13	2,121		38	413		63	202		88	1,098
14	1,666		39	1,008		64	598		89	-
15	659		40	1,794		65	30		90	-
16	191		41	736		66	353		91	30
17	74		42	10		67	887		92	10
18	161		43	141		68	40		93	-
19	113		44	31		69	453		94	292
20	60		45	403		70	499		95	363
21	363		46	50		71	282		96	141
22	847		47	191		72	363		97	312
23	302		48	10		73	1,189		98	-
24	-		49	50		74	81		99	-
25	1,088		50	2,012		75	464			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# TEXAS

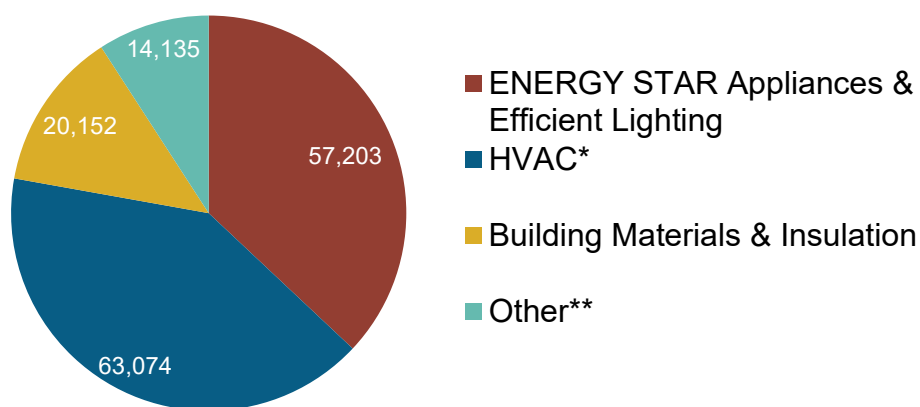
## Energy Efficiency Jobs in America

154,565  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

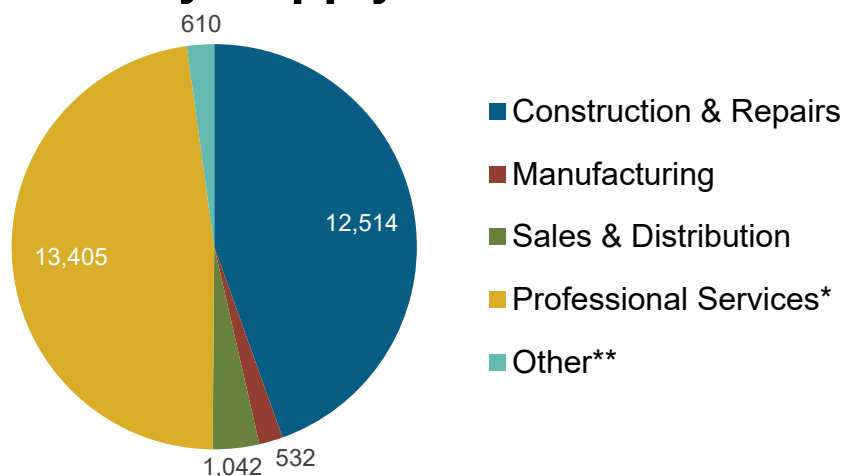
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Texas,  
EE Jobs  
Comprise:

**13%**  
of All  
Construction Jobs

**17%**  
of All  
Energy Sector Jobs

**15%**  
of Texas residents  
employed in EE are  
Veterans

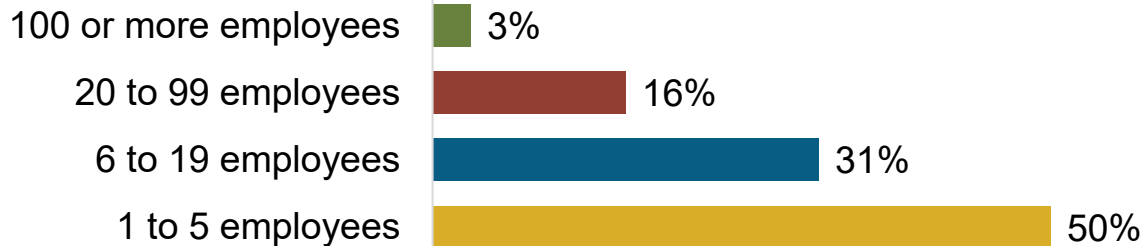
Presented by:



Good for the Economy.  
Good for the Environment.

# 28,103 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,168	Abilene	1,018
2	15,009	Amarillo	1,879
3	5,826	Austin-Round Rock	14,390
4	3,842	Beaumont-Port Arthur	2,367
5	4,410	Brownsville-Harlingen	1,171
6	5,354	College Station-Bryan	1,141
7	6,716	Corpus Christi	2,661
8	4,183	Dallas-Fort Worth-Arlington	39,915
9	2,597	El Paso	3,340
10	7,388	Houston-Sugar Land-Baytown	41,443
11	6,418	Killeen-Temple-Fort Hood	1,644
12	5,957	Laredo	952
13	5,053	Longview	1,436
14	4,313	Lubbock	1,946
15	4,616	McAllen-Edinburg-Mission	2,375
16	3,317	Midland	1,321
17	3,582	Odessa	1,126
18	4,606	San Angelo	635
19	3,141	San Antonio	11,806
20	5,234	Sherman-Denison	606
21	9,124	Texarkana	626
22	2,792	Tyler	1,825
23	1,915	Victoria	880
24	7,998	Waco	1,294
25	2,232	Wichita Falls	906
26	1,514	Rural	15,860
27	4,402		
28	1,917		
29	1,184		
30	4,826		
31	2,342		
32	2,408		
33	124		
34	1,451		
35	843		
36	2,761		

**We develop software for cost effectiveness testing & EE program tracking.**

Swaminathan Balakrishnan,  
ANB Systems,  
Sugar Land, TX

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS

## State Upper House

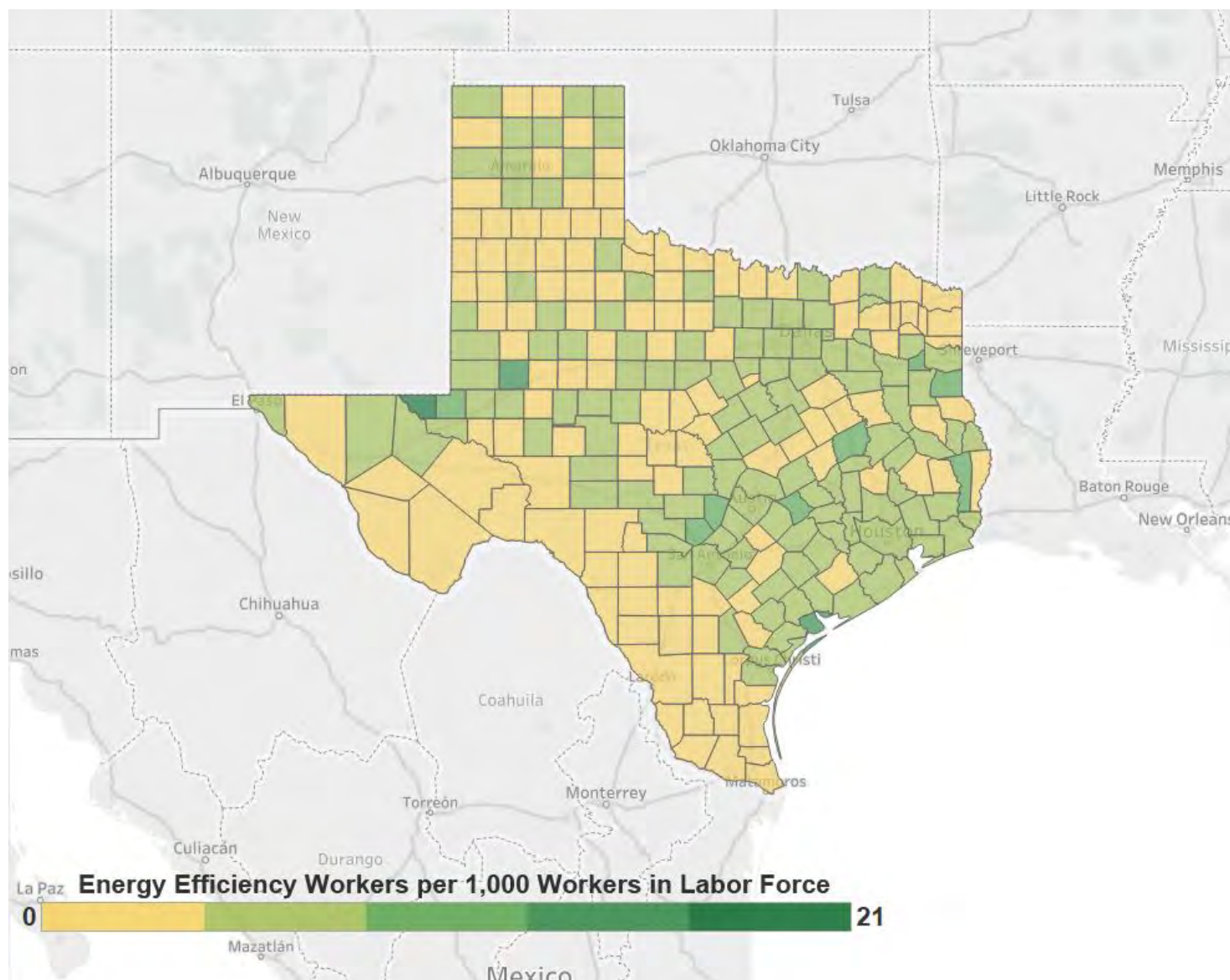
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	5,471		9	6,709		17	3,843		25	5,833
2	5,366		10	4,677		18	3,951		26	1,440
3	4,626		11	3,348		19	5,313		27	1,575
4	6,750		12	3,473		20	3,813		28	4,727
5	5,778		13	6,204		21	2,887		29	3,405
6	9,687		14	9,323		22	3,970		30	3,383
7	8,477		15	2,690		23	2,238		31	5,748
8	7,215		16	7,659		24	4,984			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,218		39	29		77	1,365		115	-
2	1,162		40	241		78	183		116	2,160
3	2,965		41	-		79	102		117	592
4	833		42	964		80	307		118	851
5	1,121		43	170		81	1,345		119	387
6	1,275		44	1,436		82	1,440		120	1,617
7	1,133		45	716		83	1,752		121	2,646
8	980		46	2,183		84	402		122	219
9	782		47	3,366		85	344		123	-
10	847		48	2,107		86	1,330		124	97
11	665		49	2,715		87	1,136		125	-
12	1,423		50	359		88	782		126	3,217
13	1,038		51	168		89	132		127	1,039
14	288		52	249		90	3,134		128	1,462
15	1,170		53	1,440		91	1,412		129	1,016
16	322		54	781		92	1,667		130	140
17	1,532		55	672		93	819		131	2,010
18	738		56	660		94	1,171		132	891
19	948		57	703		95	175		133	4,817
20	2,309		58	1,546		96	73		134	6,810
21	1,477		59	760		97	358		135	1,784
22	497		60	1,374		98	-		136	-
23	1,667		61	1,624		99	102		137	132
24	534		62	775		100	4,598		138	672
25	994		63	1,513		101	278		139	1,135
26	2,427		64	889		102	2,873		140	1,476
27	411		65	1,460		103	2,409		141	285
28	337		66	1,045		104	44		142	724
29	270		67	1,674		105	630		143	621
30	1,162		68	1,224		106	80		144	461
31	1,082		69	874		107	616		145	395
32	1,935		70	409		108	2,539		146	-
33	2,675		71	395		109	550		147	439
34	439		72	965		110	51		148	-
35	1,540		73	1,228		111	175		149	-
36	933		74	672		112	205		150	435
37	731		75	687		113	-			
38	-		76	921		114	601			



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# UTAH

## Energy Efficiency Jobs in America

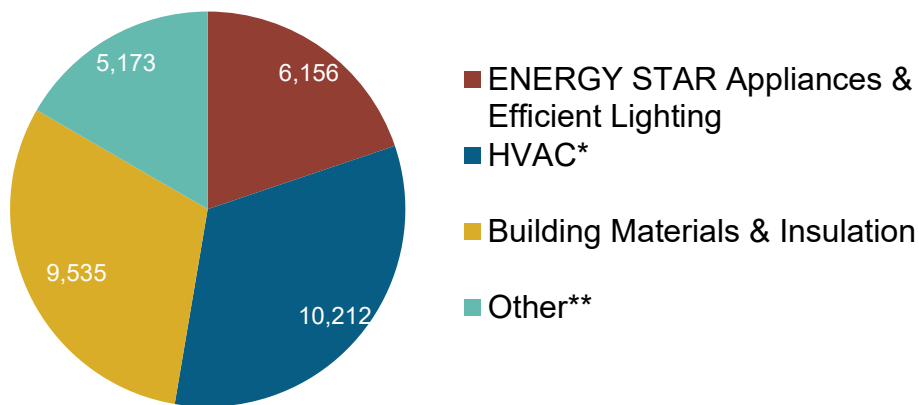
# 31,077

Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

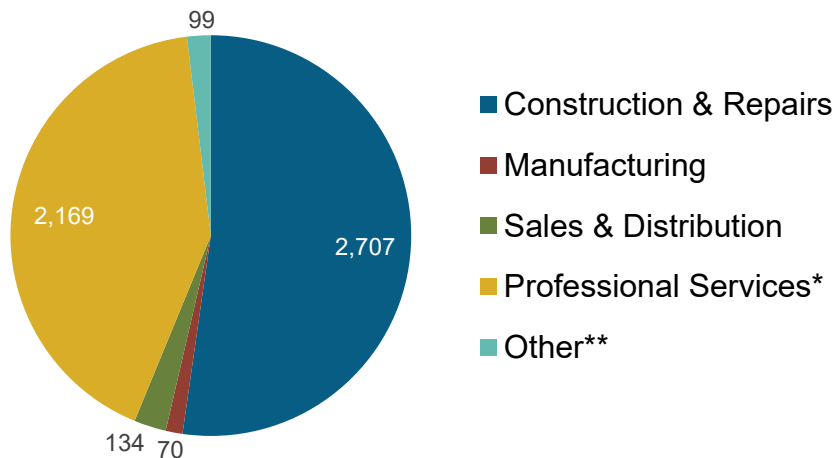
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Utah,  
EE Jobs  
Comprise:

**24%**  
of All  
Construction Jobs

**37%**  
of All  
Energy Sector Jobs

**7%**  
of Utah residents  
employed in EE are  
**Veterans**

Presented by:

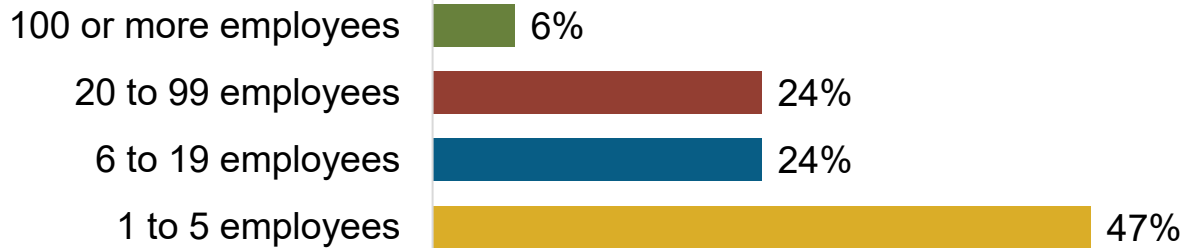


Good for the Economy.  
Good for the Environment.



# 5,180 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	6,600	Logan	984
2	11,567	Ogden-Clearfield	4,703
3	10,079	Provo-Orem	4,969
4	2,831	Salt Lake City	15,527
		St. George	1,647
		Rural	3,247

**I manage [regional] sales of spray foam to save energy and reduce utility bills.**

Martins Pecholcs,  
Accella Polyurethane Systems,  
Cottonwood Heights, UT

Energy efficiency:  
America's  
Job-creation  
powerhouse

Faces of  
**EE**  
JOBS

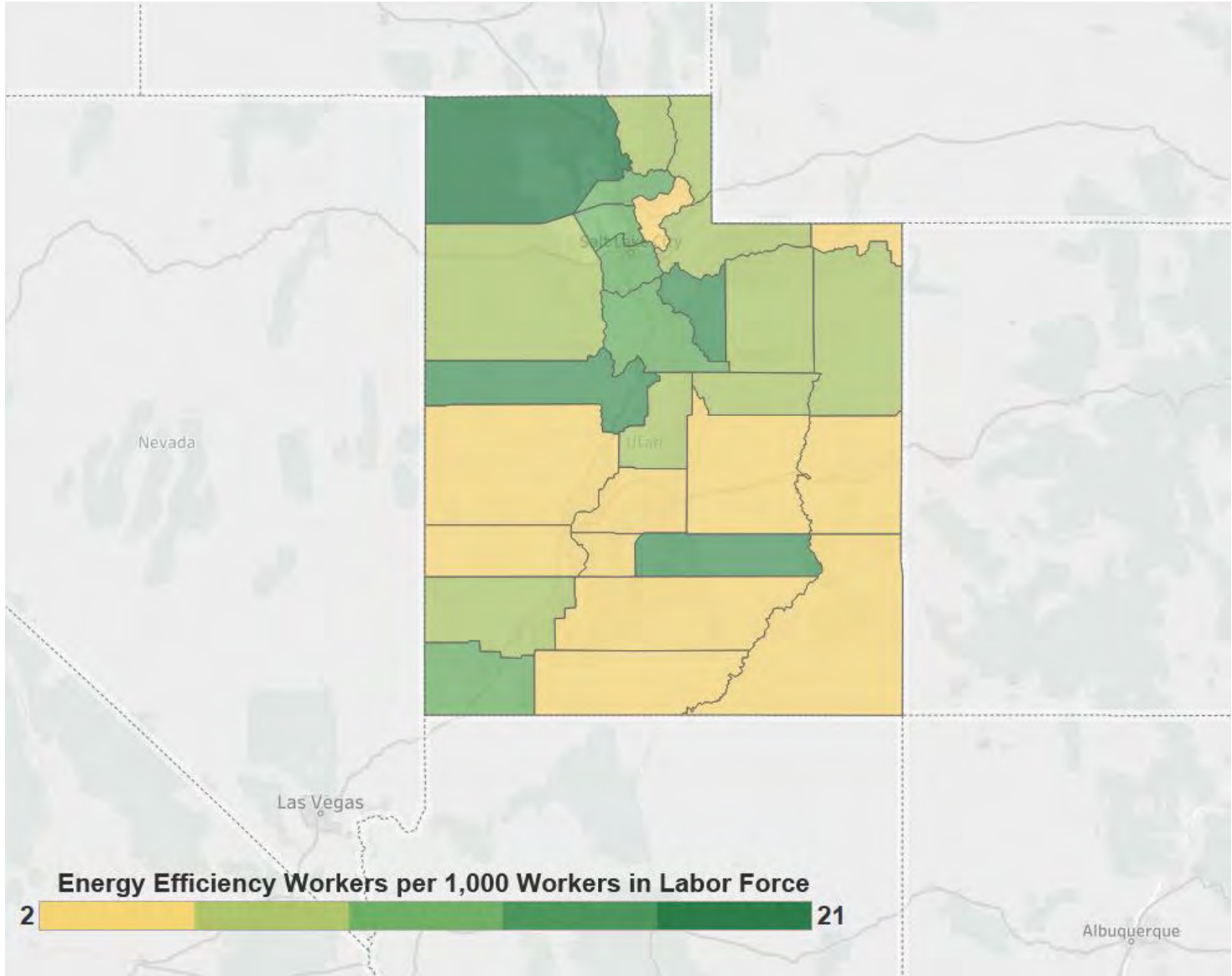
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,197		9	421		17	1,107		25	445
2	4,050		10	662		18	1,962		26	1,435
3	2,759		11	1,601		19	1,011		27	509
4	710		12	277		20	48		28	2,111
5	96		13	156		21	746		29	107
6	1,880		14	1,962		22	469			
7	1,698		15	-		23	849			
8	891		16	60		24	855			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	518		20	332		39	-		58	289
2	494		21	277		40	-		59	939
3	794		22	1,011		41	349		60	-
4	24		23	824		42	339		61	579
5	96		24	2,735		43	-		62	1,469
6	1,156		25	1,606		44	662		63	457
7	578		26	770		45	229		64	-
8	1,216		27	987		46	-		65	265
9	349		28	494		47	-		66	-
10	-		29	36		48	602		67	24
11	758		30	-		49	-		68	241
12	96		31	-		50	-		69	304
13	-		32	1,806		51	-		70	313
14	-		33	518		52	-		71	618
15	301		34	1,132		53	1,014		72	24
16	-		35	-		54	578		73	241
17	84		36	1,529		55	12		74	83
18	903		37	-		56	-		75	24
19	-		38	-		57	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# VERMONT

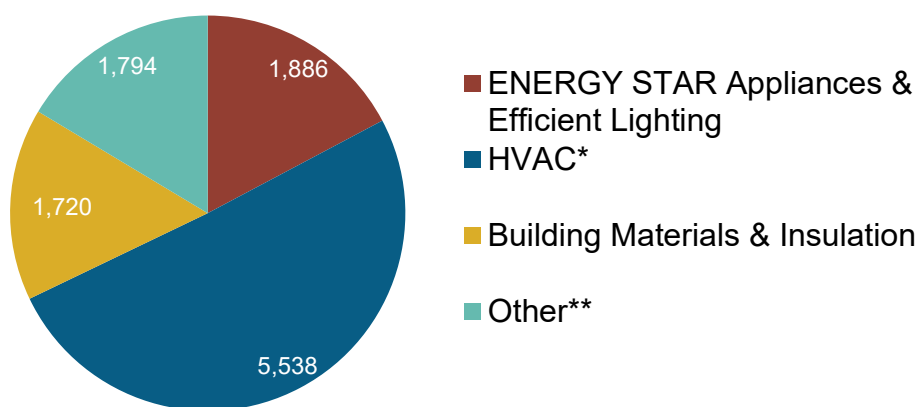
## Energy Efficiency Jobs in America

10,939  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

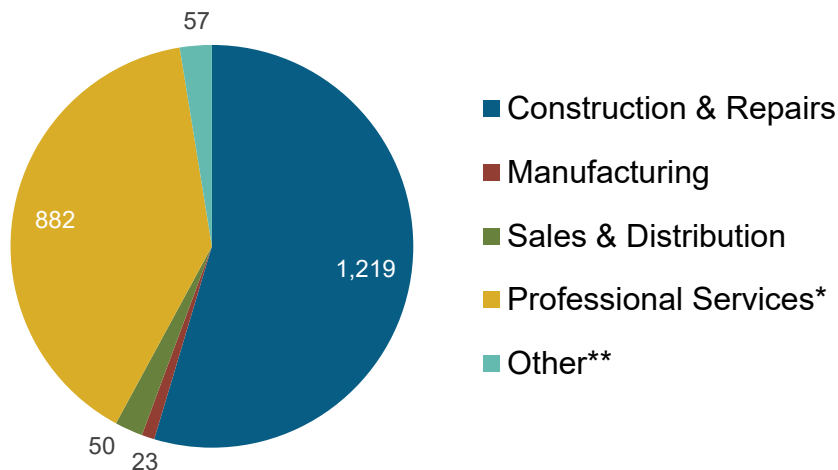
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Vermont,  
EE Jobs  
Comprise:

**29%**  
of All  
Construction Jobs

**50%**  
of All  
Energy Sector Jobs

**14%**  
of Vermont residents  
employed in EE are  
**Veterans**

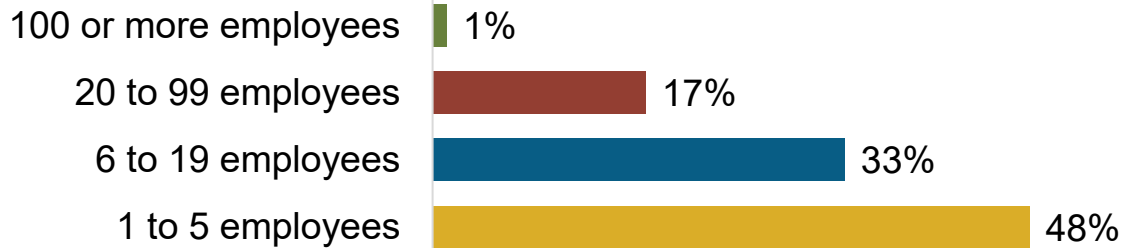
Presented by:



Good for the Economy.  
Good for the Environment.

# 2,232 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	10,939	Burlington-South Burlington	3,389
		Rural	7,550

I design innovative and effective energy efficiency programs.

Emily Levin, Vermont Energy Investment Corporation, Plainfield, VT

Energy efficiency: America's Job-creation powerhouse

Faces of EE JOBS

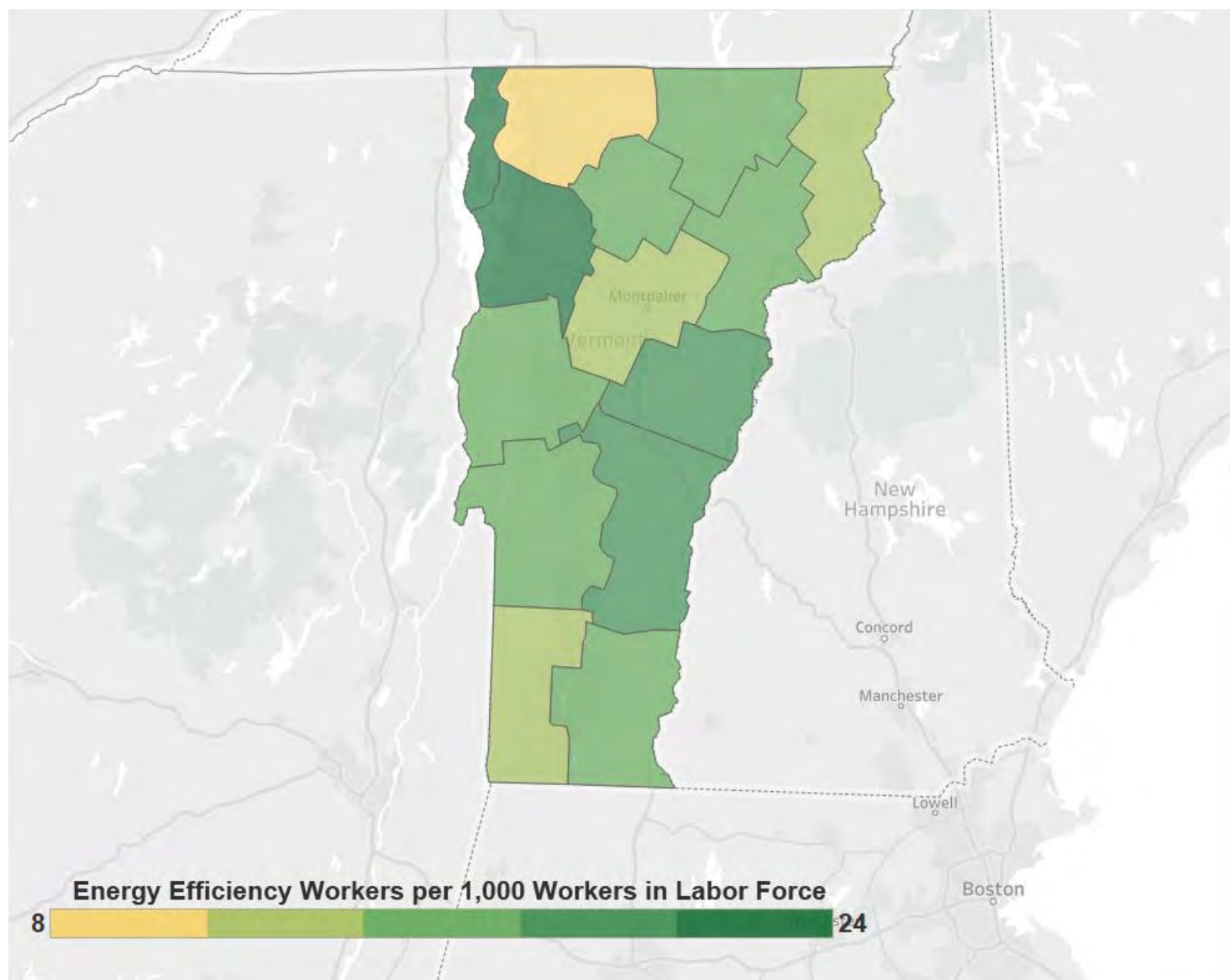
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
ADD	866		CHI	2,176		ORA	368		WSR	944
BEN	760		E-O	595		RUT	1,055			
CAL	901		FRA	534		WAS	773			
CGI	731		LAM	398		WDM	838			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
A-1	178		C71	332		LM2	299		W-1	370
A-2	112		C81	297		LMW	14		W-3	347
A-3	178		C83	21		O-1	218		W-5	66
A-4	280		C91	-		O-2	98		W-6	38
A-R	125		CA1	210		O-C	91		WA1	372
B-1	241		CA2	63		O-L	21		WA5	52
B-3	143		CA4	129		OLC	35		WA6	7
B-4	129		CAW	121		OR1	459		WA7	400
B-R	199		E-C	56		OR2	17		WAC	77
C-1	151		ECO	91		OWA	142		WBW	76
C10	185		F-1	270		R-1	119		WIB	59
C-2	432		F-2	45		R-2	63		Y-1	273
C-3	105		F-4	161		R-3	23		Y-2	185
C41	70		F-5	24		R-4	454		Y31	28
C51	96		F-6	73		R-6	63		Y41	32
C61	70		F-7	10		R-B	75		YO2	96
C62	519		GIC	105		R-W	233		Y-R	133
C67	380		LM1	139		RW2	161			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.



# VIRGINIA

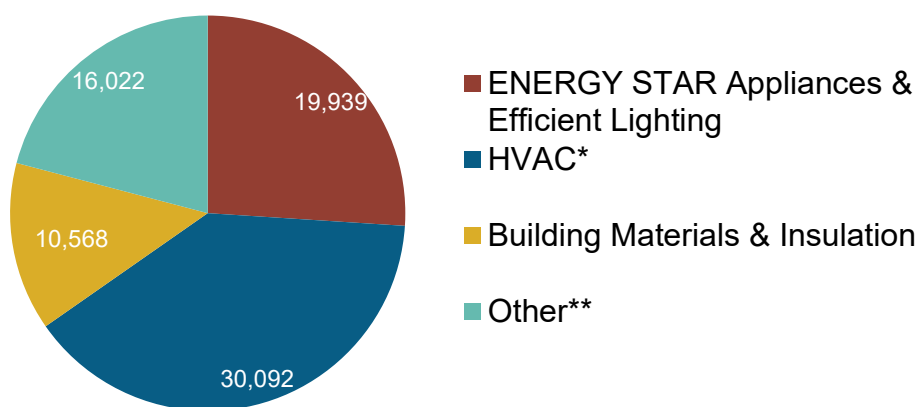
## Energy Efficiency Jobs in America

76,621  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

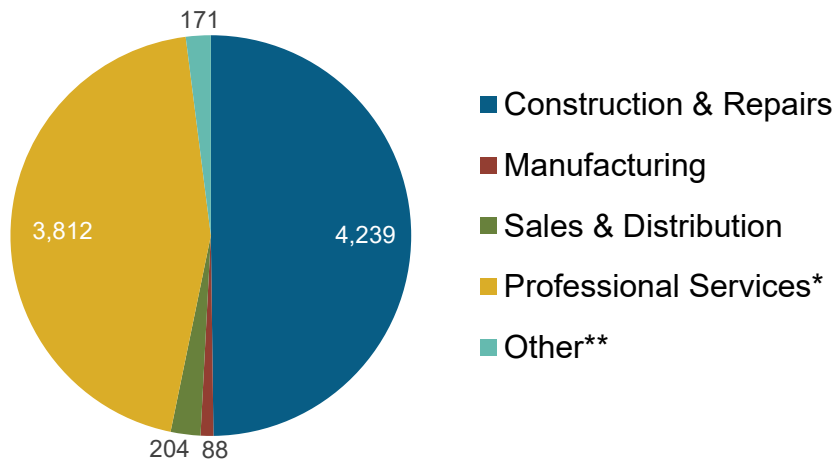
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Virginia,  
EE Jobs  
Comprise:

**24%**  
of All  
Construction Jobs

**42%**  
of All  
Energy Sector Jobs

**7%**  
of Virginia residents  
employed in EE are  
**Veterans**

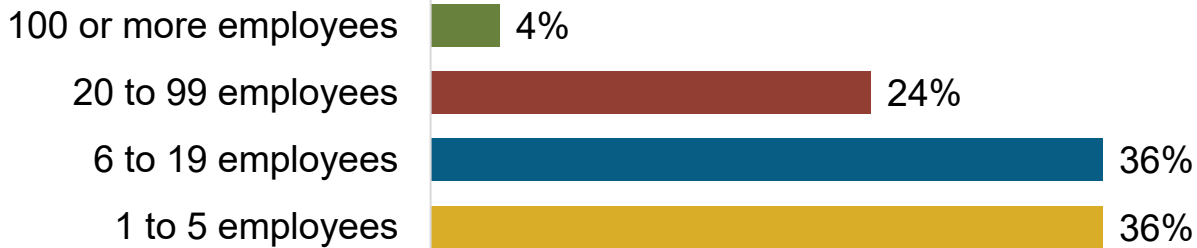
Presented by:



Good for the Economy.  
Good for the Environment.

# 8,513 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	8,462	Blacksburg-Christiansburg-Radford	1,132
2	7,581	Charlottesville	2,716
3	7,269	Danville	716
4	5,896	Harrisonburg	1,137
5	9,459	Kingsport-Bristol-Bristol	821
6	5,991	Lynchburg	2,220
7	5,036	Richmond	12,773
8	9,948	Roanoke	3,067
9	4,062	Virginia Beach-Norfolk-Newport News	14,483
10	11,522	Washington-Arlington-Alexandria	28,780
11	1,396	Winchester	1,083
		Rural	7,692



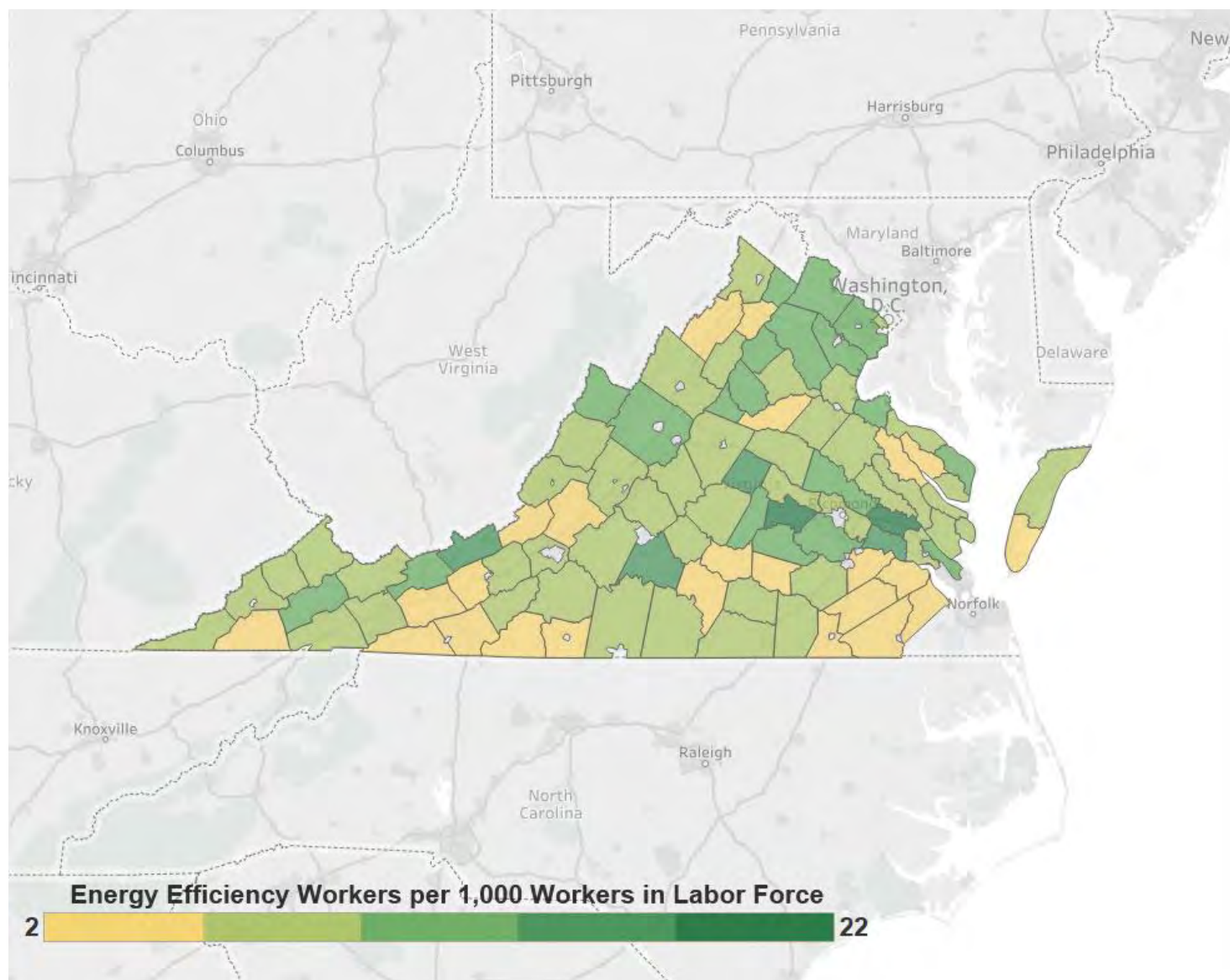
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	3,126		11	988		21	1,346		31	5,828
2	1,047		12	954		22	1,607		32	3,253
3	1,071		13	4,499		23	443		33	-
4	2,990		14	1,428		24	2,462		34	3,155
5	3,377		15	2,464		25	1,975		35	1,374
6	755		16	11		26	1,034		36	681
7	2,961		17	2,013		27	2,449		37	404
8	1,215		18	636		28	1,588		38	1,098
9	4,492		19	3,745		29	1,023		39	-
10	3,818		20	579		30	3,643		40	1,090

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	463		26	35		51	-		76	710
2	999		27	2,580		52	23		77	114
3	630		28	808		53	-		78	511
4	582		29	767		54	821		79	1,578
5	590		30	388		55	1,635		80	68
6	431		31	1,057		56	1,107		81	1,215
7	991		32	1,249		57	1,135		82	-
8	1,082		33	193		58	284		83	1,185
9	1,062		34	3,951		59	500		84	-
10	2,272		35	2,287		60	420		85	-
11	1,539		36	1,669		61	693		86	-
12	91		37	562		62	1,303		87	-
13	1,806		38	1,635		63	261		88	11
14	636		39	1,641		64	1,057		89	148
15	976		40	386		65	68		90	-
16	204		41	170		66	68		91	954
17	102		42	212		67	899		92	272
18	1,319		43	454		68	2,184		93	738
19	783		44	193		69	1,747		94	1,377
20	1,135		45	2,217		70	-		95	-
21	3,954		46	-		71	250		96	173
22	1,106		47	1,700		72	593		97	493
23	159		48	579		73	-		98	443
24	388		49	-		74	693		99	631
25	1,630		50	79		75	250		100	266

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# WASHINGTON

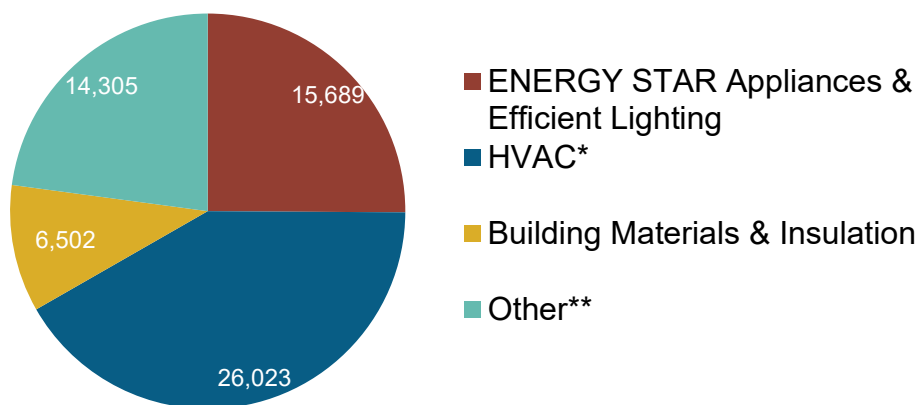
## Energy Efficiency Jobs in America



### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

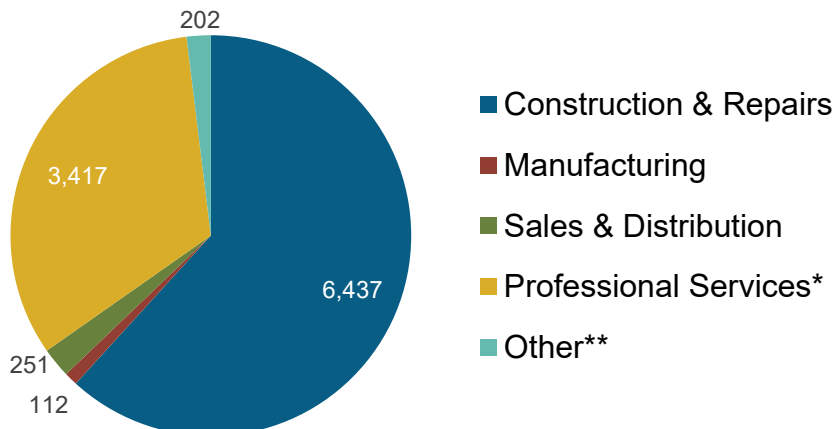
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

**In Washington,  
EE Jobs  
Comprise:**

**22%**  
of All  
Construction Jobs

**42%**  
of All  
Energy Sector Jobs

**17%**  
of Washington  
residents employed in  
EE are **Veterans**

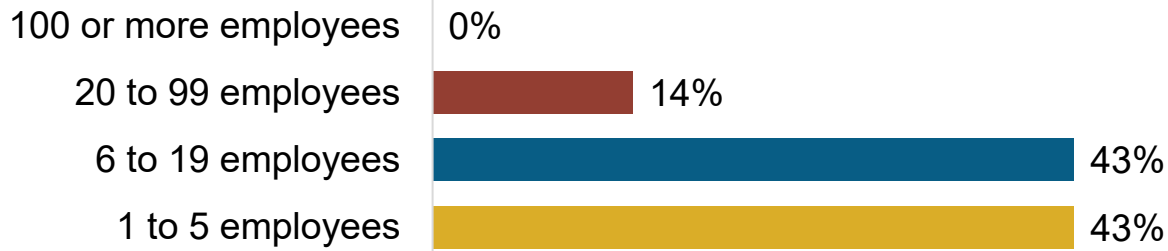
Presented by:



Good for the Economy.  
Good for the Environment.

# 10,420 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	10,662	Bellingham	2,124
2	5,156	Bremerton-Silverdale	2,248
3	6,170	Kennewick-Richland-Pasco	1,707
4	4,650	Lewiston	144
5	5,820	Longview	746
6	7,249	Mount Vernon-Anacortes	1,010
7	11,164	Olympia	2,270
8	6,092	Portland-Vancouver-Beaverton	4,105
9	2,792	Seattle-Tacoma-Bellevue	34,088
10	2,764	Spokane	4,900
		Wenatchee	1,002
		Yakima	1,545
		Rural	6,629



## State Upper House

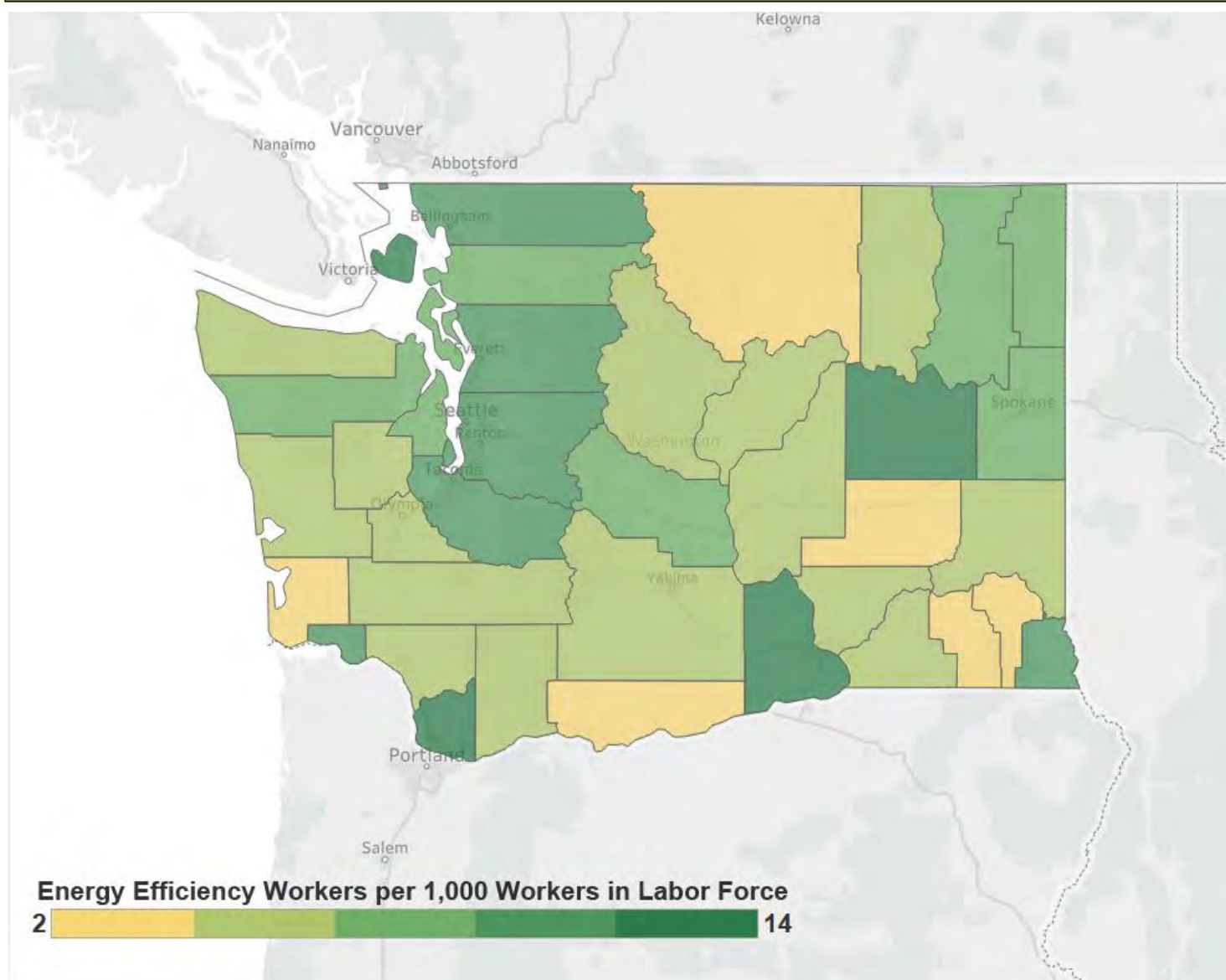
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,850		14	1,606		27	1,587		40	1,788
2	1,530		15	115		28	803		41	3,366
3	3,142		16	191		29	390		42	734
4	1,086		17	2,321		30	1,373		43	1,186
5	2,325		18	719		31	92		44	-
6	467		19	1,538		32	626		45	1,457
7	841		20	1,362		33	337		46	275
8	1,415		21	1,385		34	688		47	-
9	1,120		22	535		35	498		48	-
10	2,371		23	1,981		36	4,666		49	613
11	3,603		24	1,022		37	1,833			
12	1,197		25	1,234		38	1,285			
13	1,025		26	928		39	1,010			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	2,868		14	1,617		27	1,597		40	1,800
2	1,540		15	115		28	808		41	3,387
3	3,162		16	192		29	-		42	739
4	1,093		17	2,335		30	1,382		43	1,193
5	2,339		18	724		31	92		44	-
6	470		19	1,547		32	630		45	1,466
7	847		20	1,371		33	339		46	277
8	1,424		21	1,393		34	693		47	-
9	1,127		22	539		35	501		48	-
10	2,386		23	1,994		36	4,696		49	617
11	3,626		24	1,029		37	1,845			
12	1,204		25	1,242		38	1,293			
13	1,032		26	933		39	1,016			



## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# West Virginia

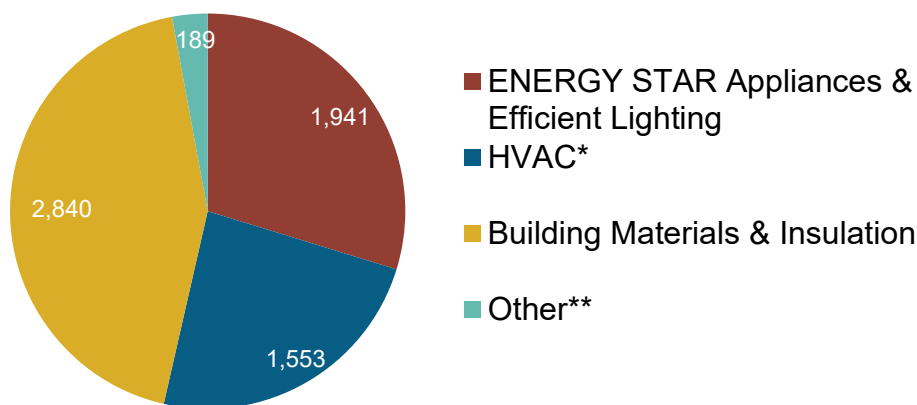
## Energy Efficiency Jobs in America

**6,523**  
Total Jobs

### What are EE Jobs?

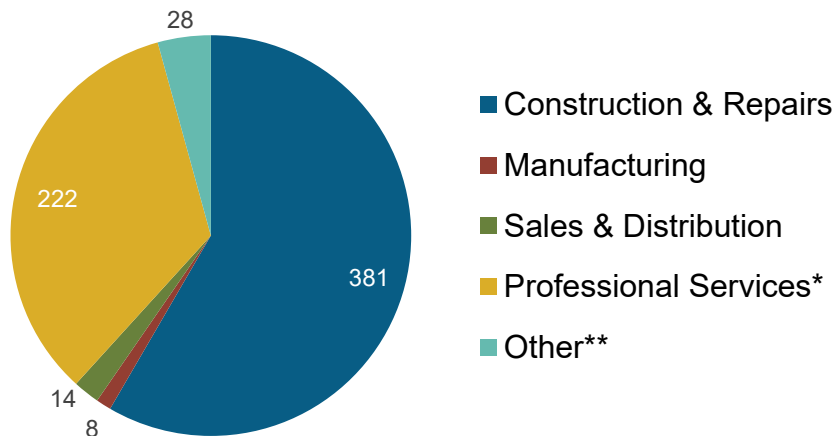
Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling  
\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.  
\*\*Other such as maintenance, and business and nonprofit organizations

**In West Virginia,  
EE Jobs  
Comprise:**

**16%**  
of All  
Construction Jobs

**11%**  
of All  
Energy Sector Jobs

**17%**  
of West Virginia  
residents employed in  
EE are **Veterans**

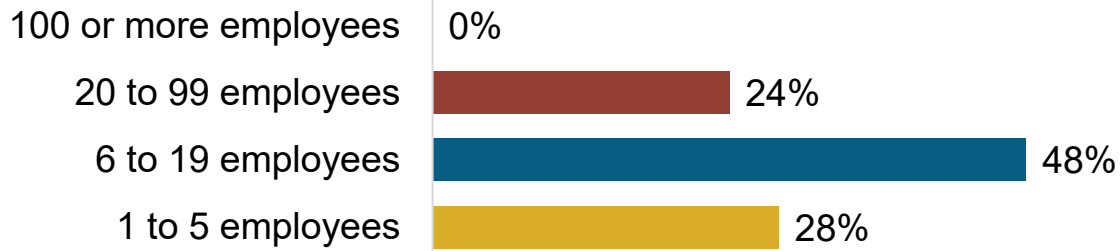
Presented by:



Good for the Economy.  
Good for the Environment.

# 652 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	2,576	Charleston	1,056
2	2,293	Cumberland	61
3	1,655	Hagerstown-Martinsburg	339
		Huntington-Ashland	380
		Morgantown	452
		Parkersburg-Marietta-Vienna	364
		Washington-Arlington-Alexandria	1,208
		Weirton-Steubenville	136
		Wheeling	278
		Winchester	85
		Rural	2,164



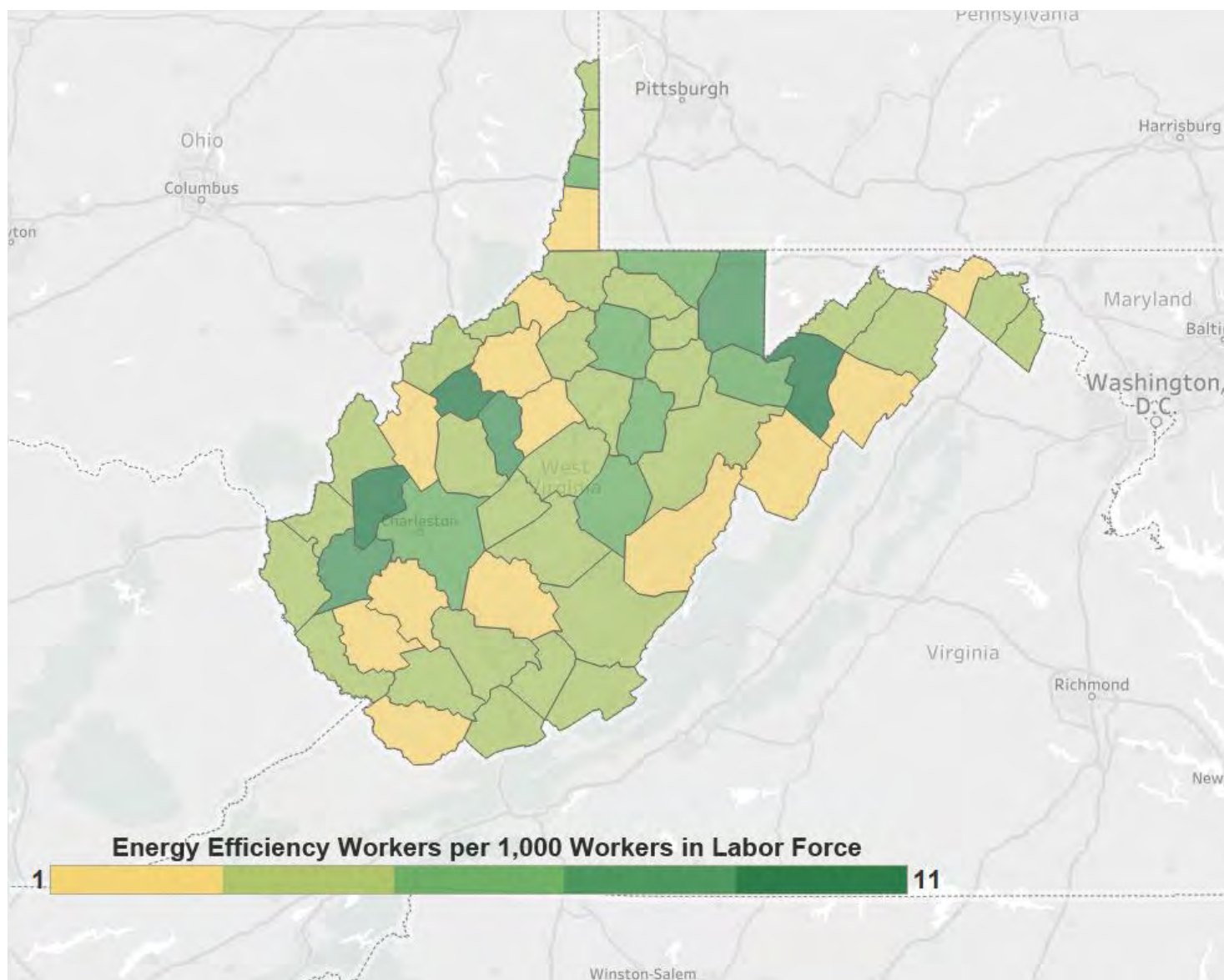
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	465		11	424		21	-		31	-
2	881		12	464		22	-		32	-
3	482		13	33		23	-		33	-
4	502		14	277		24	-		34	-
5	400		15	426		25	-			
6	292		16	270		26	-			
7	142		17	28		27	-			
8	804		18	-		28	-			
9	372		19	-		29	-			
10	261		20	-		30	-			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	139		28	294		55	58		82	-
2	257		29	33		56	30		83	-
3	23		30	-		57	75		84	-
4	101		31	40		58	122		85	-
5	31		32	142		59	155		86	-
6	60		33	40		60	114		87	-
7	40		34	52		61	27		88	-
8	158		35	708		62	-		89	-
9	262		36	134		63	57		90	-
10	-		37	1		64	-		91	-
11	159		38	-		65	104		92	-
12	14		39	11		66	14		93	-
13	125		40	-		67	1		94	-
14	169		41	21		68	-		95	-
15	55		42	131		69	-		96	-
16	312		43	162		70	-		97	-
17	58		44	131		71	-		98	-
18	3		45	1		72	-		99	-
19	68		46	77		73	-		100	-
20	83		47	188		74	-			
21	18		48	428		75	-			
22	48		49	183		76	-			
23	16		50	10		77	-			
24	28		51	304		78	-			
25	123		52	80		79	-			
26	91		53	13		80	-			
27	26		54	111		81	-			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Wisconsin

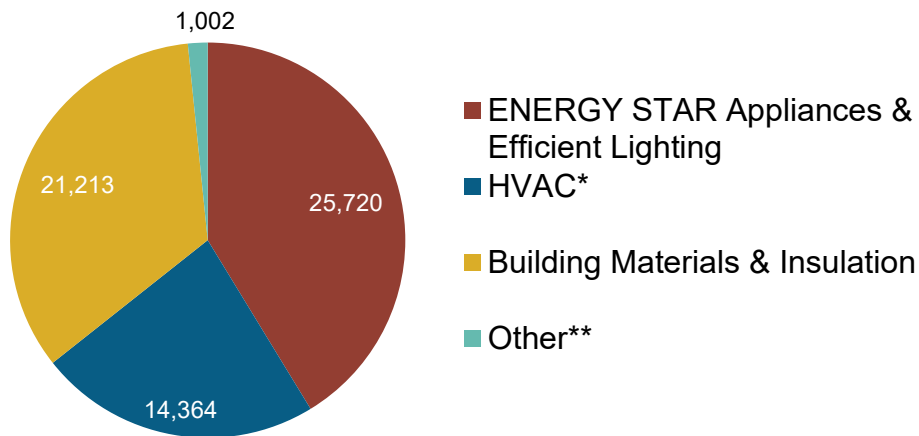
## Energy Efficiency Jobs in America

62,299  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

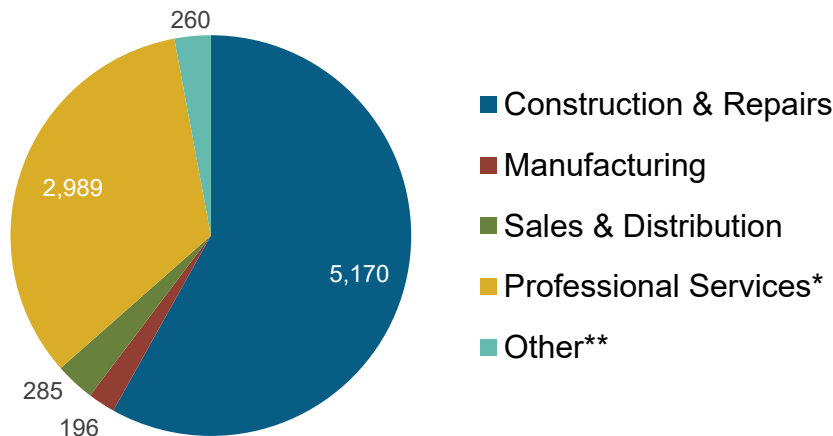
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Wisconsin,  
EE Jobs  
Comprise:

**25%**  
of All  
Construction Jobs

**42%**  
of All  
Energy Sector Jobs

**3%**  
of Wisconsin residents  
employed in EE are  
**Veterans**

Presented by:

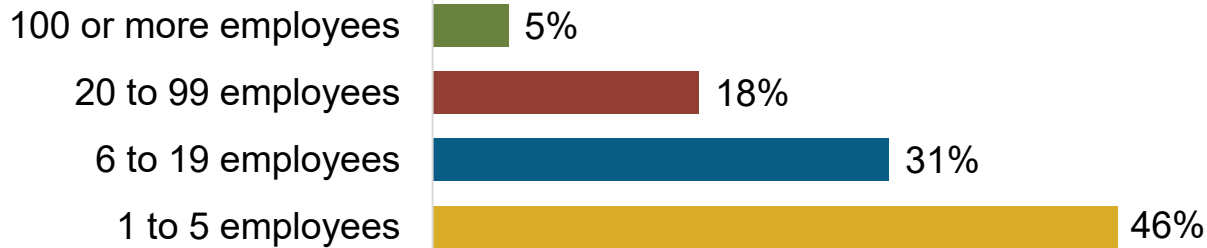


Good for the Economy.  
Good for the Environment.



# 8,900 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	9,012	Appleton	2,633
2	8,873	Chicago-Naperville-Joliet	1,657
3	7,884	Duluth	283
4	7,352	Eau Claire	1,737
5	6,438	Fond du Lac	1,031
6	8,466	Green Bay	3,239
7	8,097	Janesville	1,367
8	6,177	La Crosse	1,201
		Madison	7,220
		Milwaukee-Waukesha-West Allis	16,836
		Minneapolis-St. Paul-Bloomington	1,646
		Oshkosh-Neenah	1,737
		Racine	1,793
		Sheboygan	1,082
		Wausau	1,423
		Rural	17,413





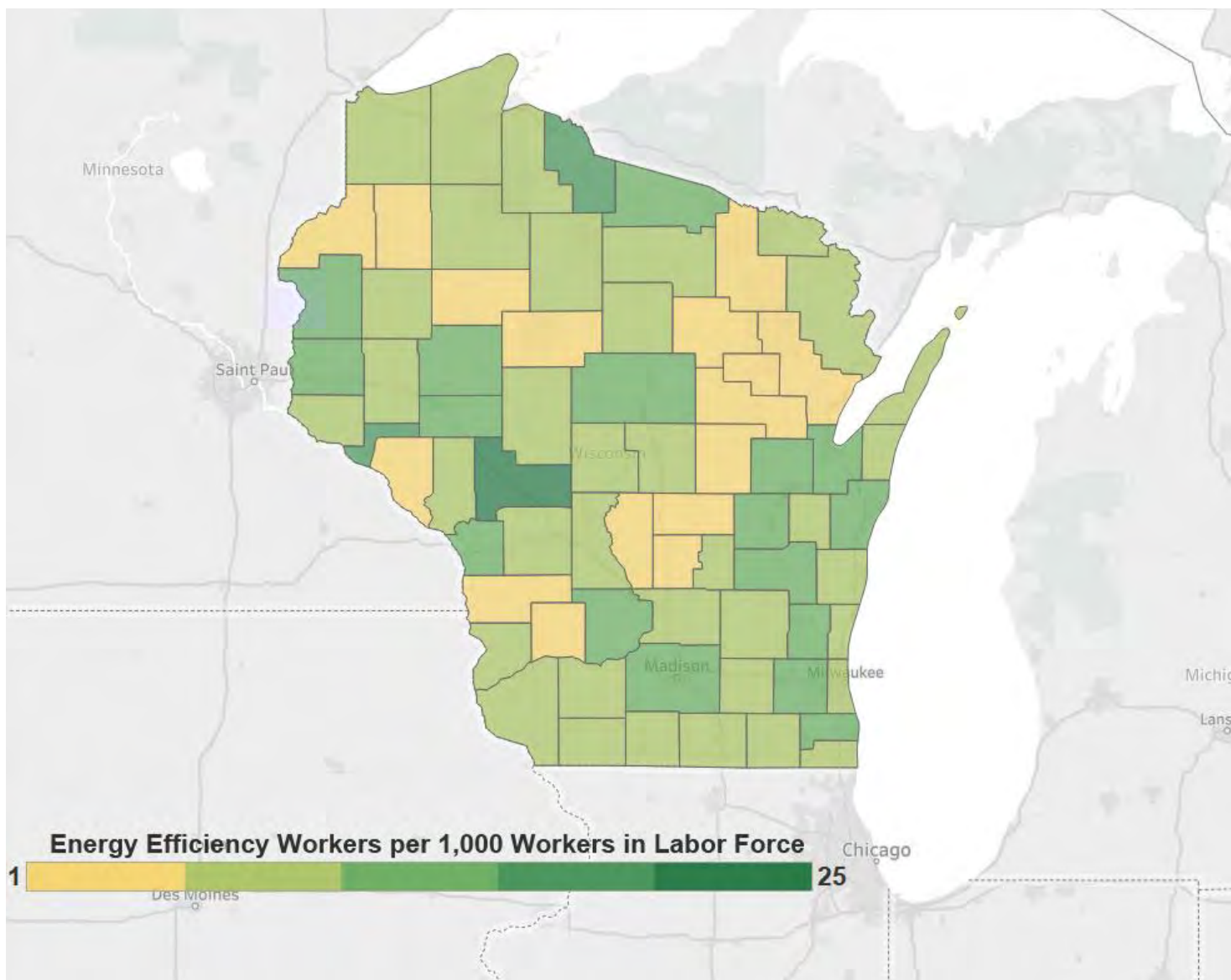
## State Upper House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	3,838		11	3,508		21	2,501		31	731
2	2,971		12	3,518		22	274		32	1,624
3	1,796		13	2,447		23	2,855		33	610
4	2,193		14	2,240		24	1,649			
5	4,265		15	754		25	2,010			
6	1,519		16	2,935		26	2,182			
7	891		17	2,218		27	365			
8	3,338		18	1,782		28	491			
9	1,308		19	1,371		29	674			
10	2,220		20	971		30	251			

## State Lower House

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	1,119		28	1,074		55	1,359		82	228
2	1,622		29	712		56	11		83	263
3	1,096		30	434		57	-		84	-
4	1,600		31	2,160		58	560		85	320
5	594		32	720		59	91		86	-
6	777		33	629		60	320		87	354
7	937		34	1,542		61	1,384		88	148
8	860		35	1,371		62	1,106		89	103
9	-		36	605		63	11		90	-
10	1,279		37	1,770		64	274		91	-
11	731		38	300		65	-		92	468
12	183		39	377		66	-		93	263
13	2,887		40	698		67	1,165		94	1,384
14	640		41	777		68	1,142		95	-
15	739		42	765		69	548		96	240
16	1,519		43	331		70	1,283		97	416
17	-		44	-		71	354		98	23
18	-		45	423		72	11		99	171
19	-		46	487		73	651			
20	480		47	2,242		74	822			
21	411		48	206		75	537			
22	1,519		49	801		76	1,234			
23	1,165		50	709		77	308			
24	654		51	708		78	640			
25	183		52	811		79	80			
26	920		53	971		80	228			
27	206		54	-		81	57			

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.

# Wyoming

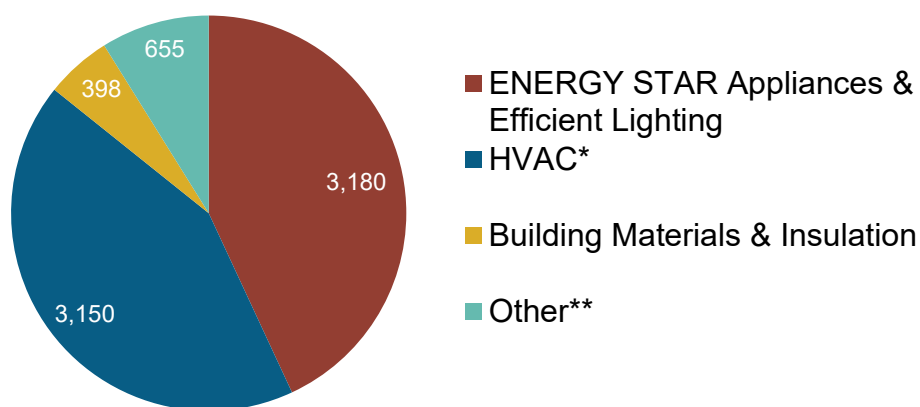
## Energy Efficiency Jobs in America

7,382  
Total Jobs

### What are EE Jobs?

Delivery of goods and services that lower energy use by improving technologies, appliances, buildings, and energy systems.

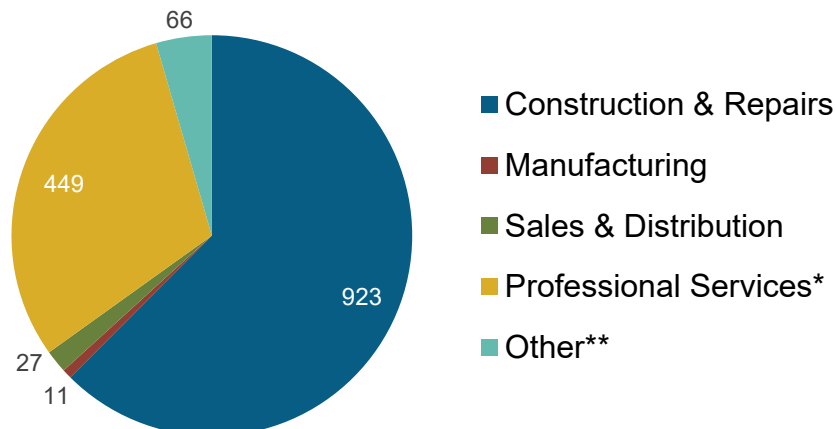
### Jobs by Sector



\*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling

\*\*Other such as energy audits, building certifications, and software services

### Firms by Supply Chain



\*Professional services includes finance/accounting, architecture, engineering, R&D, etc.

\*\*Other such as maintenance, and business and nonprofit organizations

In Wyoming,  
EE Jobs  
Comprise:

**31%**  
of All  
Construction Jobs

**17%**  
of All  
Energy Sector Jobs

**12%**  
of Wyoming residents  
employed in EE are  
**Veterans**

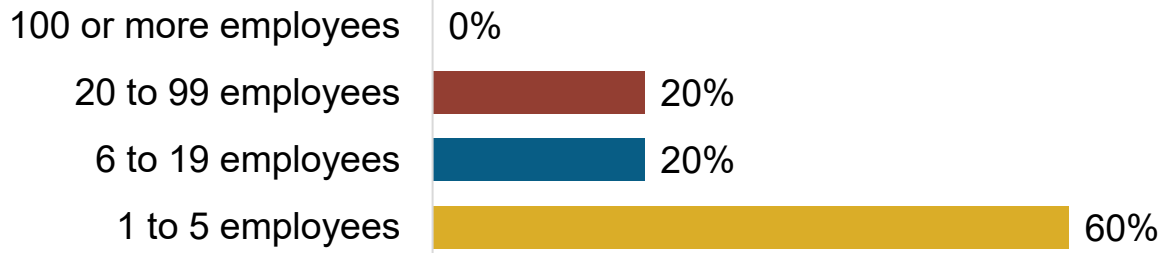
Presented by:



Good for the Economy.  
Good for the Environment.

# 1,476 Energy Efficiency Businesses

## Firm Size



## Where are EE Jobs?

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	7,382	Casper	1,341
		Cheyenne	1,182
		Rural	4,859



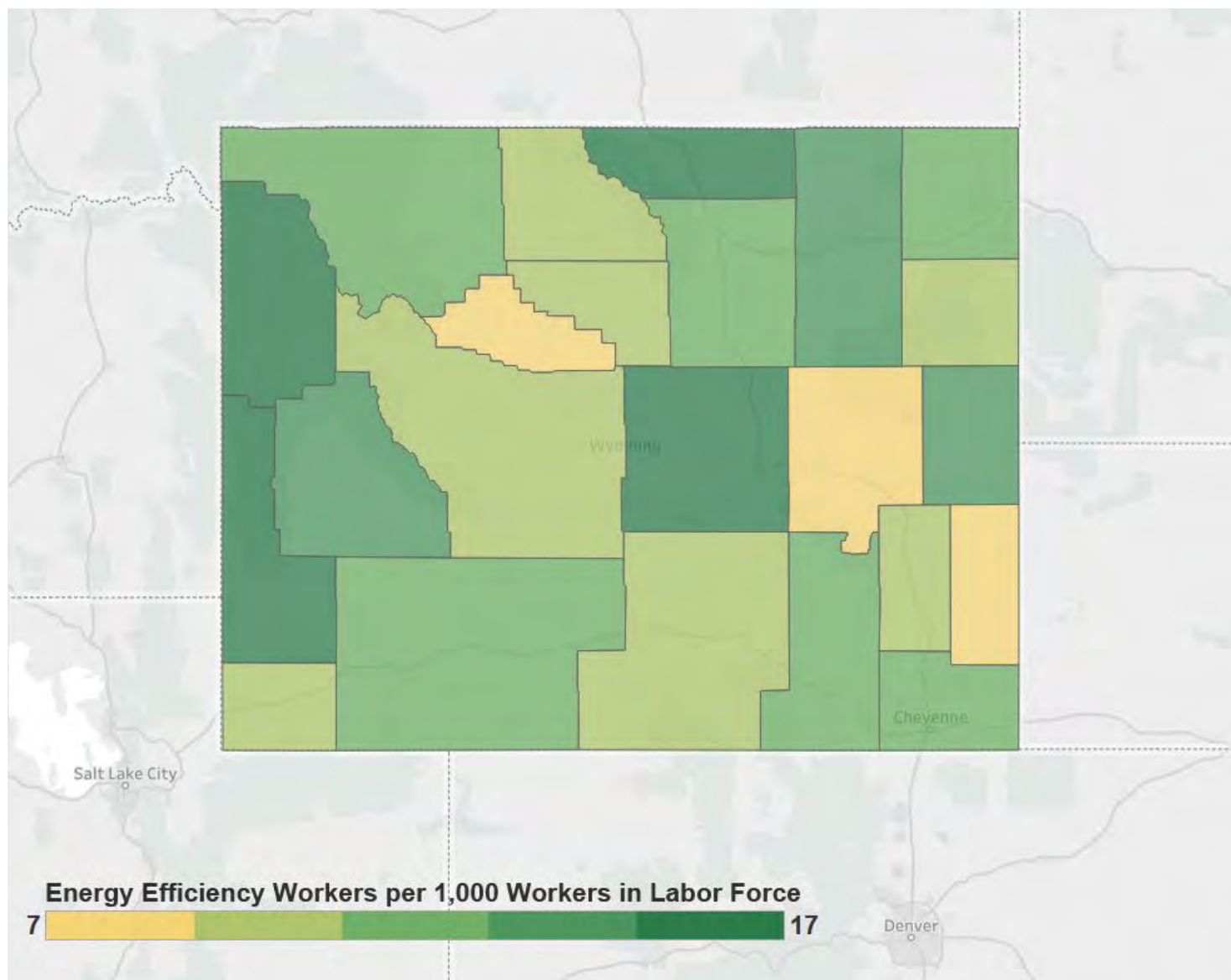
State Upper House							
District	Jobs		District	Jobs		District	Jobs
1	605		11	882		21	509
2	212		12	85		22	93
3	114		13	-		23	8
4	958		14	178		24	-
5	-		15	76		25	161
6	195		16	694		26	178
7	-		17	34		27	924
8	-		18	534		28	-
9	365		19	85		29	42
10	8		20	382		30	59

District	Jobs		District	Jobs		District	Jobs
1	605		11	882		21	509
2	212		12	85		22	93
3	114		13	-		23	8
4	958		14	178		24	-
5	-		15	76		25	161
6	195		16	694		26	178
7	-		17	34		27	924
8	-		18	534		28	-
9	365		19	85		29	42
10	8		20	382		30	59

State Lower House										
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	79		16	456		31	-		46	-
2	215		17	439		32	17		47	84
3	523		18	42		33	160		48	-
4	76		19	76		34	-		49	-
5	-		20	143		35	920		50	17
6	34		21	118		36	-		51	17
7	954		22	117		37	338		52	8
8	-		23	34		38	8		53	177
9	-		24	338		39	-		54	-
10	211		25	177		40	93		55	-
11	-		26	84		41	473		56	-
12	-		27	68		42	-		57	-
13	363		28	312		43	-		58	42
14	8		29	-		44	-		59	-
15	93		30	68		45	-		60	-

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	79		16	456		31	-		46	-
2	215		17	439		32	17		47	84
3	523		18	42		33	160		48	-
4	76		19	76		34	-		49	-
5	-		20	143		35	920		50	17
6	34		21	118		36	-		51	17
7	954		22	117		37	338		52	8
8	-		23	34		38	8		53	177
9	-		24	338		39	-		54	-
10	211		25	177		40	93		55	-
11	-		26	84		41	473		56	-
12	-		27	68		42	-		57	-
13	363		28	312		43	-		58	42
14	8		29	-		44	-		59	-
15	93		30	68		45	-		60	-

## Energy Efficiency Jobs by County



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](http://www.E4TheFuture.org)



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit [www.e2.org](http://www.e2.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 2018 U.S. Energy and Employment Report, May 2018, by NASEO and EFI (see pages 15-17 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.