CLEAN JOBS PENNSYLVANIA

90,772 CLEAN ENERGY JOBS ACROSS PENNSYLVANIA

CLEAN ENERGY DRIVING PENNSYLVANIA JOB GROWTH

Pennsylvania's clean energy sector continued its strong growth trend in 2018, topping 90,000 employees for the first time and adding jobs five times faster than the overall state employment growth rate. Since 2014, Pennsylvania has increased its workforce in clean technologies like renewables, energy efficiency, clean vehicles, storage, and grid modernization by nearly 60 percent, with no signs of slowing down anytime soon. Energy efficiency remains the largest clean energy employer with nearly 69,000 jobs. More Pennsylvanians also work in the renewable energy (9,200 jobs) and clean vehicles (7,800) sectors than ever before.

Led by one of the nation's top energy efficiency industries and supported by burgeoning renewable energy and clean vehicle sectors, Pennsylvania has developed one of the strongest diversified clean economies in the country with rural communities benefitting right alongside the Philadelphia and Pittsburgh metro areas.

While growth in clean energy jobs has been bolstered thanks primarily due to decreasing technology costs, as well as previous federal and state policies and increasing numbers of residents and businesses demanding more efficiency and renewable energy choices, many market barriers still hamper Pennsylvanians from benefiting as robustly as citizens in other states.

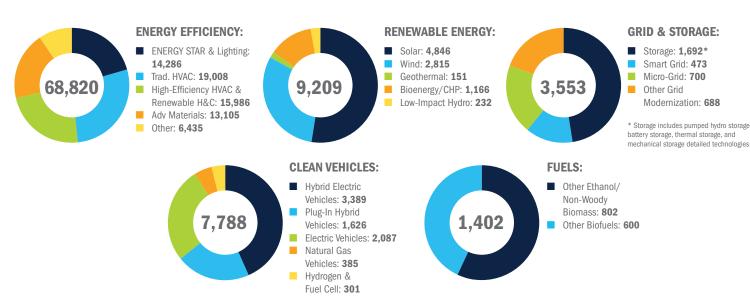
Thankfully, legislators are working on a multi-pronged slate of smart energy policies that work in tandem to tackle climate change while advancing energy efficiency, renewables and electric vehicles at the same time-ensuring Pennsylvania clean energy workers and businesses are set to thrive into the 2020s.

CLEAN ENERGYJOBS IN PERSPECTIVE

OUT 0F

Congressional Districts

INDUSTRY BREAKDOWN: JOBS



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For more information, contact E2 Eastern States Advocate Noah Dubin at ndubin@e2.org

For questions regarding this report, visit E2's report FAO at https://www.e2.org/reports/cleanjobs-america-faq.



IN PARTNERSHIP WITH:

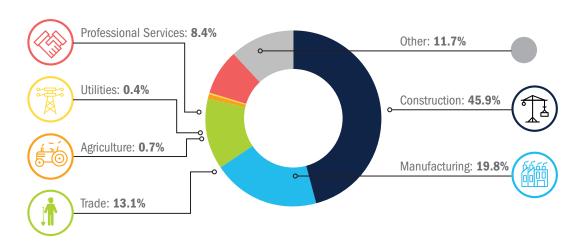




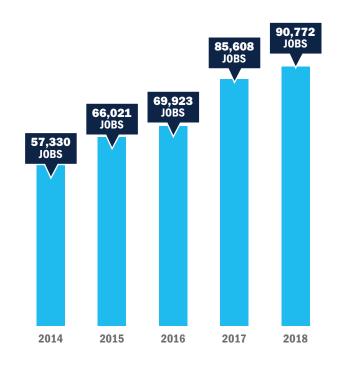




CLEAN JOBS BREAKDOWN BY VALUE CHAIN



CONSISTENT JOB GROWTH³



SMALL BUSINESSES FUEL SUCCESS

2 OUT OF EVERY 3
CLEAN ENERGY WORKERS
are employed by businesses with fewer than 20 employees

1-4 EMPLOYEES: **33.3**%

5-19 EMPLOYEES: **33.3**%

20-99 EMPLOYEES: **22.9**%

100-499 EMPLOYEES: 3.8%

500+ EMPLOYEES: **6.7%**

BEYOND THE BIG CITIES: CLEAN ENERGY JOBS THROUGHOUT THE STATE

44%

of Pennsylvania's clean energy workforce is located outside the Pittsburgh and Philadelphia metro areas

LEADING PENNSYLVANIA IN JOB DENSITY

Jefferson County ranks second in the state in clean energy jobs per capita. 31 of the county's 34 municipalities are rural.

11,178

clean energy jobs in Pennsylvania are located in rural areas

POLICIES MATTER

While clean energy jobs are growing steadily in Pennsylvania, the Commonwealth has created fewer jobs than neighboring states because it has relatively weak clean energy policies. For example, Pennsylvania's Alternative Energy Portfolio Standard (AEPS) requires that just 8% of electricity sales must come from renewables and other "Tier 1" resources by 2021. By contrast, New York, New Jersey, and Maryland all have state goals of 50% renewables by 2030; even Ontario, Canada has installed about 8 times more solar energy than the Keystone state.

Pennsylvania has made some improvements to its clean energy policies in recent years, including Act 40 of 2017, which incentivizes in-state solar development, as well as updates to the state's building energy codes and a Commercial Property Assessed Clean Energy (C-PACE) law. But on the whole the state has focused more on expanding natural gas and petrochemical infrastructure. As a result, Pennsylvania is not only locking in dangerous levels of greenhouse gas emissions; it is also losing clean energy economic development opportunities to other states. Stronger energy efficiency and renewable energy policies would direct private investment into more sustainable types of development, generate more tax revenue, and create more jobs in state-all while avoiding the risk that fossil fuel infrastructure will be "stranded" in a carbonlimited future.

Lawmakers in Harrisburg can strengthen clean energy in Pennsylvania by taking the following policy actions:

Increase the requirement for renewable energy in the AEPS.

While the state's AEPS was a forwardlooking policy when it passed in 2004, most states have since set far

more aggressive renewable energy portfolio standards and realized greater job growth as a result. For example, although Massachusetts has only half the population of Pennsylvania it has more than four times as many solar jobs (nearly 20,000), largely because it established a goal of 1600 MW of solar energy by 2020.

Two bills recently introduced in Pennsylvania— House Bill 1195 and Senate Bill 600—would spur more renewables jobs by increasing the AEPS from 8% by 2021 to 30% by 2030, with 10% of that coming from in-state solar. The bills would also require a study to determine targets for energy storage—a cleaner way to balance intermittent renewables than gas-fired "peaker" plants. According to the *Finding Pennsylvania's Solar Future* plan completed by Pennsylvania's Department of Environmental Protection (DEP), a 10% solar electricity goal by 2030 would result in 60,000 to 100,000 more jobs throughout the state as well as a net economic benefit of over \$1.6 billion annually.⁴

Lift the energy efficiency investment cap on utilities.

Pennsylvania's main energy efficiency policy, Act 129, has delivered \$6.4 billion in benefits to Pennsylvania

electric customers since 2009 and cut electricity consumption by an amount equivalent to the annual usage of 330,000 Pennsylvania households. According to a report issued by the Pennsylvania Public Utility Commission (PUC), for every \$1 invested in energy efficiency over the past three years, Pennsylvania electricity customers have received \$1.70 in benefits. However, under current law, utility investment in energy efficiency programs is limited to two percent of each utility's 2006 total revenues. Largely due to this limitation, the state's electricity usage has only been reduced by about 0.8% every year. But the PUC's Statewide Evaluator has found that those savings could be doubled up to 2% if the cap were removed. Senate Bill 232 would do that, and make other improvements to increase efficiency savings in Pennsylvania.

Permit community shared solar in Pennsylvania.

Community solar programs enable families who cannot host solar panels on their own properties to support

a solar installation elsewhere and be directly credited for its generation on their electric bill. Under Pennsylvania's current "net metering" regulations, community solar is not permitted. The state should enact House Bill 531, which would authorize community solar and encourage the inclusion of low- to moderate-income individuals in community solar programs.

Adopt Policies to decarbonize transportation sector.

Last year, Pennsylvania joined the Transportation and Climate Initiative – a coalition of nine

Northeast and mid-Atlantic states and the District of Columbia aiming to reduce pollution from the transportation sector while making critical investments in low-carbon and electric transportation infrastructure. Electrifying transportation is a critical step in reducing greenhouse gas pollution, but adoption of EVs has been slow in Pennsylvania due to a lack of charging infrastructure. The state can maximize investments in infrastructure by leveraging Volkswagen settlement funds and adopting Senate Bill 596, legislation that would both incentivize investment and ensure that charging stations are strategically located. Both steps would grow jobs in Pennsylvania's clean transportation sector.

Implement carbon limits and a carbon pricing program.

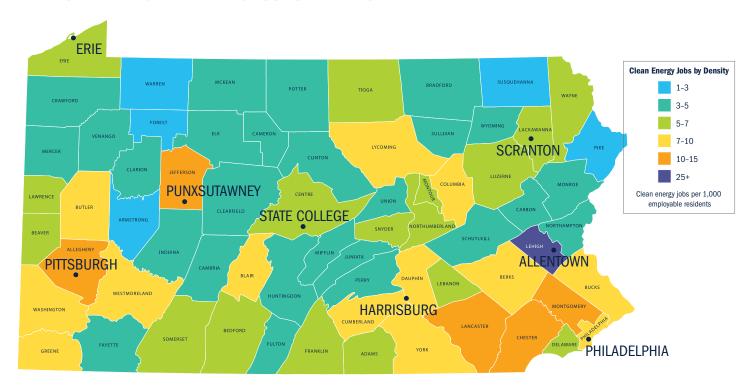
Limits on carbon emissions, together with an auction of emission permits and market-based permit trading,

are the surest way for Pennsylvania to reduce greenhouse gas emissions. And auction proceeds can be invested in renewable energy and energy efficiency measures to create jobs. One "cap and invest" program that Pennsylvania could join is the Regional Greenhouse Gas Initiative (RGGI), which caps and prices CO₂ pollution from the electricity sector. New Jersey and Virginia are in the process of joining RGGI, whose nine Northeastern states have already reduced CO_a pollution in their power sectors more than 45% through RGGI in 2005. The economies of these states have expanded, and RGGI investments have returned billions of dollars of energy savings to households and businesses while supporting significant renewable energy development.

The state's PUC should issue a strong policy statement on alternative ratemaking that prioritizes energy efficiency and distributed renewable energy.

Act 58 of 2018 authorized electric, gas, and water utilities in Pennsylvania to propose "alternative ratemaking" methodologies. Some of these methodologies, like "revenue decoupling" and performance incentives, could be used by utilities to help customers save energy, install solar panels, and use electricity at times when there is less strain on the grid. To ensure the market for energy efficiency and distributed energy continues to grow, the state PUC should make it clear in its Final Policy Statement that utility rates should incentivize the deployment of energy efficiency and other clean energy technologies.

PENNSYLVANIA CLEAN ENERGY JOBS BY DENSITY⁵



PENNSYLVANIA METRO AREAS BY CLEAN ENERGY JOBS

Metro Area	Clean Energy Jobs*	Renewable Energy Jobs	Energy Efficiency Jobs
Philadelphia- Camden-Wilmington	29,428	2,500	22,735
Pittsburgh	17,225	1,259	13,466
New York-Northern New Jersey-Long Island	4,813	2,368	2,129
Allentown- Bethlehem-Easton	4,456	215	3,593
Lancaster	3,782	488	2,778
Reading	3,756	909	2,401
Harrisburg-Carlisle	3,753	207	2,992

Metro Area	Clean Energy Jobs*	Renewable Energy Jobs	Energy Efficiency Jobs
Scranton- Wilkes-Barre	3,723	188	2,897
York-Hanover	2,480	111	1,998
Erie	1,713	92	1,371
State College	874	64	683
Altoona	850	39	684
Williamsport	812	38	653
Lebanon	772	53	607
Johnstown	618	33	494
Youngstown-Warren- Boardman	537	39	421

^{*} Total includes all clean energy jobs categories, including solar, wind, energy efficiency, clean vehicles, battery storage, advanced biofuels, low-impact hydro and other areas.

CLEAN ENERGY JOBS BY COUNTY

County	Clean Energy Jobs*	Renewable Energy Jobs	Energy Efficiency Jobs
Allegheny	11,469	995	9,412
Philadelphia	8,931	755	7,268
Montgomery	8,730	816	6,827
Lehigh	7,369	145	6,678
Bucks	4,844	547	3,582
Chester	4,611	366	3,526
Lancaster	4,336	622	3,140
York	3,514	565	2,355
Berks	3,249	1,043	1,685
Delaware	3,129	263	2,423
Westmoreland	2,143	269	1,583
Dauphin	2,103	311	1,480
Cumberland	1,654	82	1,310
Erie	1,499	175	1,044
Luzerne	1,414	106	1,127
Washington	1,398	55	1,141
Butler	1,395	61	1,100
Northampton	1,219	52	991
Lackawanna	1,191	86	809
Beaver	870	346	392
Centre	765	54	645
Blair	748	41	531
Lycoming	672	45	500
Franklin	632	23	481
Lebanon	581	54	391
Cambria	562	42	425
Jefferson	537	367	137
Schuylkill	518	57	348
Adams	479	133	259
Mercer	465	15	342
Fayette	447	24	297
Monroe	426	21	324
Lawrence	424	23	351
Somerset	388	24	248

County	Clean Energy Jobs*	Renewable Energy Jobs	Energy Efficiency Jobs
Northumberland	387	34	220
Indiana	341	30	239
Clearfield	282	20	177
Crawford	274	53	161
Columbia	272	32	192
Carbon	234	29	97
Bedford	229	11	170
Tioga	225	11	125
Greene	222	7	172
Wayne	220	9	188
Clinton	210	21	109
Snyder	189	11	131
Bradford	182	7	134
Union	180	60	99
Armstrong	158	15	113
Venango	155	12	110
Clarion	150	19	93
McKean	142	10	115
Huntingdon	134	13	93
Mifflin	131	8	92
Perry	119	5	82
Elk	118	4	95
Wyoming	109	10	76
Susquehanna	103	8	80
Pike	102	16	68
Montour	100	4	44
Warren	94	6	56
Juniata	62	5	45
Fulton	59	7	31
Potter	58	4	21
Sullivan	23	8	14
Forest	11	0	9
Cameron	10	1	8

^{*} Total includes all clean energy jobs categories, including solar, wind, energy efficiency, clean vehicles, battery storage, advanced biofuels, low-impact hydro and other areas.

PENNSYLVANIA CLEAN ENERGY JOBS BY DISTRICT

Data shows that distribution of clean energy jobs in Pennsylvania crosses all political boundaries, with clean energy jobs in every congressional and state assembly district.

U.S. CONGRESSIONAL DISTRICTS

District	Clean Energy Jobs*	Renewable Energy Jobs	Energy Efficiency Jobs
1 (Rep. Fitzpatrick)	6,100	562	4,709
2 (Rep. Boyle)	4,326	368	3,342
3 (Rep. Evans)	5,861	451	4,572
4 (Rep. Dean)	5,721	447	4,454
5 (Rep. Scanlon)	3,523	299	2,722
6 (Rep. Houlahan)	9,351	1,025	7,031
7 (Rep. Wild)	6,253	644	4,739
8 (Rep. Cartwright)	7,066	797	5,286
9 (Rep. Meuser)	4,985	379	3,889
10 (Rep. Perry)	5,377	403	4,198

District	Clean Energy Jobs*	Renewable Energy Jobs	Energy Efficiency Jobs
11 (Rep. Smucker)	3,637	302	2,817
12 (Vacant)	6,452	792	4,779
13 (Rep. Joyce)	1,401	108	1,092
14 (Rep. Reschenthaler)	6,382	606	4,877
15 (Rep. Thompson)	6,181	1,165	4,235
16 (Rep. Kelly)	3,186	442	2,317
17 (Rep. Lamb)	2,287	219	1,663
18 (Rep. Doyle Jr.)	2,684	200	2,097

STATE SENATE DISTRICTS

District	Clean Energy Jobs
1 (Sen. Farnese)	4,934
2 (Sen. Tartaglione)	1,251
3 (Sen. Sharif)	364
4 (Sen. Haywood)	1,801
5 (Sen. Sabatina)	240
6 (Sen. Tomlinson)	4,044
7 (Sen. Hughes)	1,714
8 (Sen. Williams)	535
9 (Sen. Killion)	4,523
10 (Sen. Sanarsiero)	2,525
11 (Sen. Schwank)	3,095
12 (Sen. Collett)	1,262
13 (Sen. Martin)	2,985
14 (Sen. Yudichak)	2,181
15 (Sen. DiSanto)	2,295
16 (Sen. Browne)	2,529
17 (Sen. Leach)	3,305

District	Clean Energy Jobs
18 (Sen. Boscola)	1,513
19 (Sen. Dinniman)	1,766
20 (Sen. Baker)	1,559
21 (Sen. Hutchinson)	2,296
22 (Sen. Blake)	1,784
23 (Sen. Yaw)	2,005
24 (Sen. Mensch)	1,056
25 (Sen. Scarnati)	1,420
26 (Sen. Kearney)	684
27 (Sen. Gordner)	1,176
28 (Sen. Phillips-Hill)	2,379
29 (Sen. Argall)	997
30 (Sen. Ward)	2,463
31 (Sen. Regan)	1,611
32 (Sen. Stefano)	1,518
33 (Vacant)	824
34 (Sen. Corman)	1,260

District	Clean Energy Jobs
35 (Sen. Langerholc)	1,105
36 (Sen. Aument)	1,107
37 (Sen. lovino)	4,595
38 (Sen. Williams)	1,972
39 (Sen. Ward)	2,476
40 (Sen. Scavello)	964
41 (Vacant)	1,793
42 (Sen. Fontana)	2,829
43 (Sen. Costa)	731
44 (Sen. Muth)	395
45 (Sen. Brewster)	481
46 (Sen. Bartolotta)	1,514
47 (Sen. Vogel)	1,376
48 (Sen. Folmer)	739
49 (Sen. Laughlin)	1,773
50 (Sen. Brooks)	1,027

STATE HOUSE

District	Clean Energy Jobs
1 (Rep. Harkins)	762
2 (Rep. Merski)	658
3 (Rep. Bizzarro)	298
4 (Rep. Sonney)	121
5 (Rep. Jozwiak)	1,059

District	Clean Energy Jobs
6 (Rep. Roae)	482
7 (Rep. Longietti)	475
8 (Rep. Nesbit)	723
9 (Rep. Sainato)	524
10 (Rep. Bernstine)	395

District	Clean Energy Jobs
11 (Rep. Mustello)	316
12 (Rep. Metcalfe)	603
13 (Rep. Lawrence)	788
14 (Rep. Marshall)	417
15 (Rep. Kail)	634

District	Clean Energy Jobs
16 (Rep. Matzie)	400
17 (Rep. Wentling)	18
18 (Rep. DiGirolamo)	854
19 (Rep. Wheatley)	3,022
20 (Rep. Ravenstahl)	981

CLEAN JOBS PENNSYLVANIA

State House CONTINUED

District	Clean	District	Clean
	Energy Jobs		Energy Jobs
21 (Rep. Innamorato)	532	67 (Rep. Causer)	222
22 (Rep. Schweyer)	870	68 (Rep. Owlett)	777
23 (Rep. Frankel)	192	69 (Rep. Metzgar)	303
24 (Rep. Gainey)	380	70 (Rep. Bradford)	1,152
25 (Rep. Markosek)	772	71 (Rep. Rigby)	386
26 (Rep. Hennessey)	1,037	72 (Rep. Burns)	216
27 (Rep. Deasy)	1,094	73 (Rep. Sankey)	309
28 (Rep. Turzai)	340	74 (Rep. Williams)	394
29 (Rep. Schroeder)	1,135	75 (Rep. Gabler)	375
30 (Rep. Mizgorski)	31	76 (Rep. Borowicz)	1,097
31 (Rep. Warren)	1,171	77 (Rep. Conklin)	64
32 (Rep. DeLuca)	456	78 (Rep. Topper)	506
33 (Rep. Dermody)	201	79 (Rep. Schmitt)	717
34 (Rep. Lee)	346	80 (Rep. Gregory)	68
35 (Rep. Davis)	622	81 (Rep. Irvin)	164
36 (Rep. Readshaw)	250	82 (Rep. Hershey)	630
37 (Rep. Fee)	2,226	83 (Rep. Wheeland)	701
38 (Rep. Kortz)	74	84 (Rep. Everett)	252
39 (Rep. Puskaric)	708	85 (Vacant)	323
40 (Rep. Mihalek)	808	86 (Rep. Keller)	484
41 (Rep. Miller)	449	87 (Rep. Rothman)	1,097
42 (Rep. Miller)	<10	88 (Rep. Delozier)	215
43 (Rep. Greiner)	789	89 (Rep. Kauffman)	523
44 (Rep. Gaydos)	453	90 (Rep. Schemel)	16
45 (Rep. Kulik)	49	91 (Rep. Moul)	678
46 (Rep. Ortitay)	166	92 (Rep. Keefer)	401
47 (Rep. Gillespie)	1,330	93 (Rep. Jones)	596
48 (Rep. O'Neal)	64	94 (Rep. Saylor)	65
49 (Rep. Cook)	683	95 (Rep. Hill-Eans)	<10
50 (Rep. Snyder)	139	96 (Rep. Sturla)	<10
51 (Rep. Dowling)	254	97 (Rep. Mentzer)	<10
52 (Rep. Warner)	240	98 (Rep. Hickernell)	332
53 (Rep. Malagari)	1,154	99 (Rep. Zimmerman)	132
54 (Rep. Brooks)	1,471	100 (Rep. Cutler)	184
55 (Rep. Petrarca)	528	101 (Rep. Ryan)	684
56 (Rep. Dunbar)	40	102 (Rep. Diamond)	106
57 (Rep. Nelson)	111	103 (Rep. Kim)	1,059
58 (Rep. Walsh)	112	104 (Rep. Helm)	461
59 (Rep. Reese)	392	105 (Rep. Lewis)	<10
60 (Rep. Pyle)	285	106 (Rep. Mehaffie)	<10
61 (Rep. Hanbidge)	1,104	107 (Rep. Masser)	748
62 (Rep. Struzzi)	413	108 (Rep. Culver)	49
63 (Rep. Oberlander)	304	109 (Rep. Millard)	155
64 (Rep. James)	332	110 (Rep. Pickett)	317
65 (Rep. Rapp)	289	111 (Rep. Fritz)	628
66 (Rep. Dush)	414	112 (Rep. Mullins)	1,012

District	Clean Energy Jobs
113 (Rep. Flynn)	452
114 (Rep. Kosierowski)	136
115 (Rep. Madden)	641
116 (Rep. Toohil)	609
117 (Rep. Boback)	357
118 (Rep. Carroll)	483
119 (Rep. Mullery)	552
120 (Rep. Kaufer)	28
121 (Rep. Pashinski)	101
122 (Rep. Heffley)	306
123 (Rep. Goodman)	392
124 (Rep. Knowles)	241
125 (Rep. Tobash)	220
126 (Rep. Rozzi)	412
127 (Rep. Caltagirone)	41
128 (Rep. Gillen)	395
129 (Rep. Cox)	63
130 (Rep. Maloney)	259
131 (Rep. Simmons)	997
132 (Rep. Schlossberg)	534
133 (Rep. McNeill)	770
134 (Rep. Mackenzie)	267
135 (Rep. Samuelson)	153
136 (Rep. Freeman)	422
137 (Rep. Emrick)	339
138 (Rep. Hahn)	312
139 (Rep. Peifer)	292
140 (Rep. Galloway)	992
141 (Rep. Davis)	103
142 (Rep. Farry)	627
143 (Rep. Ullman)	1,251
144 (Rep. Polinchock)	82
145 (Rep. Staats)	24
146 (Rep. Ciresi)	210
147 (Rep. Toepel)	128
148 (Rep. Daley)	1,315
149 (Rep. Briggs)	1,278
150 (Rep. Webster)	24
151 (Rep. Stephens)	666
152 (Rep. Murt)	458
153 (Rep. Sanchez)	389
154 (Rep. McCarter)	186
155 (Rep. Otten)	478
156 (Rep. Comitta)	2,252
157 (Rep. Shusterman)	454
158 (Rep. Sappey)	360

District	Clean Energy Jobs
159 (Rep. Kirkland)	616
160 (Rep. Barrar)	57
161 (Rep. Krueger)	969
162 (Rep. Delloso)	524
163 (Rep. Zabel)	703
164 (Rep. Davidson)	<10
165 (Rep. O'Mara)	437
166 (Rep. Vitali)	<10
167 (Rep. Howard)	<10
168 (Rep. Quinn)	18
169 (Rep. Klunk)	56
170 (Rep. White)	236
171 (Rep. Beninghoff)	33
172 (Rep. Boyle)	511
173 (Rep. Driscoll)	<10
174 (Rep. Neilson)	<10
175 (Rep. Isaacson)	2,584
176 (Rep. Rader)	157
177 (Rep. Hohenstein)	173
178 (Rep. Thomas)	81
179 (Rep. Dawkins)	210
180 (Rep. Cruz)	<10
181 (Rep. Kenyatta)	73
182 (Rep. Sims)	2,161
183 (Rep. Mako)	172
184 (Rep. Fiedler)	256
185 (Rep. Donatucci)	99
186 (Rep. Harris)	73
187 (Rep. Day)	1,581
188 (Rep. Roebuck)	98
189 (Rep. Brown)	33
190 (Rep. Johnson- Harrell)	73
191 (Rep. McClinton)	<10
192 (Rep. Cephas)	25
193 (Rep. Ecker)	376
194 (Rep. DeLissio)	298
195 (Rep. Bullock)	<10
196 (Rep. Grove)	<10
197 (Rep. Burgos)	<10
198 (Rep. Youngblood)	59
199 (Rep. Gleim)	<10
200 (Rep. Rabb)	<10
201 (Rep. Kinsey)	32
202 (Rep. Solomon)	<10
203 (Rep. Fitzgerald)	<10

CLEAN JOBS PENNSYLVANIA

ENDNOTES

- 1 Unless otherwise stated, the data and analyses presented in Clean Jobs America E2 (Environmental Entrepreneurs) are based on data collected for the 2019 U.S. Energy Employment Report (2019 USEER), produced by the Energy Futures Initiative (EFI) in partnership with the National Association of State Energy Officials (NASEO) and collected and analyzed by BW Research Partnership (BWRP). Available at https://www.usenergyjobs.org/. See Pages 9-13 for methodology questions. For more questions regarding methodology, visit https://www.e2.org/clean-jobs-america-faq.
- 2 Data from 2019 USEER. By sector, fossil fuel jobs from electric power production are: coal (1,963), natural gas (2,748), and oil and other fossil fuels (224). Jobs from the fuel sector are: coal (6,241), oil and petroleum (17,984), and natural gas (14,146). Available at https://www.usenergyjobs.org.
- 3 Based on E2's annual clean energy jobs reports in Pennsylvania since 2014.
- 4 DEP's Solar Future Plan, November 2018. Available at www.dep.pa.gov and hyperlink to "https://www.dep.pa.gov/Business/Energy/OfficeofPollutionPrevention/SolarFuture/Pages/Finding-Pennsylvania%E2%80%99s-Solar-Future.aspx.
- 5 County employable population data based on 2017 American Community Survey (ACS) 5-year estimate of residents 16 years and older from the U.S. Census Bureau accessible at https://factfinder.census.gov.

PRESENTED BY:



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.



Clean Jobs Count is a campaign to raise awareness of the economic importance of the clean economy. Visit www. cleanjobscount.org to join thousands of business leaders, workers and others to tell lawmakers and policymakers that clean jobs count.

IN PARTNERSHIP WITH:



The **Keystone Energy Efficiency Alliance** (KEEA) is a non-profit, tax-exempt 501(c)(6) corporation dedicated to promoting the energy efficiency and renewable energy industries in Pennsylvania.



The <u>Sustainable Business Network of Greater Philadelphia</u> (SBN) is a community of local independent businesses that demonstrates the degree to which businesses can build profitable enterprises while serving community needs, sharing wealth, and protecting the environment.



Green Building Alliance (GBA) advances innovation in the built environment by empowering people to create environmentally, economically, and socially vibrant places.



<u>Sustainable Pittsburgh</u> affects decision-making in the Pittsburgh region to integrate economic prosperity, social equity, and environmental quality as the enduring accountability, bringing sustainable solutions for communities and businesses.

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