



# New Jersey Pathway and Skills Collaborative ENERGY INDUSTRY



- ✓ In 2018, there were roughly 370 establishments in the sector
- ✓ Establishments in the sector increased 6% from 2013 to 2018
- ✓ The sector has seen an increase of 15.1% in its annual average earnings from 2013 to 2018



## Industry Analysis

- 370 establishments
- 15,180 people employed
- Approximately 44% of establishments are located in the Northern New Jersey region
- In 2018, Electric Power Generation, Transmission, and Distribution made up nearly half (49.34%) of the industry

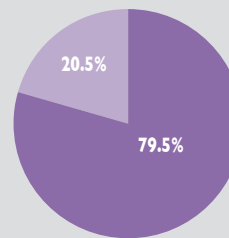


## Trends Analysis

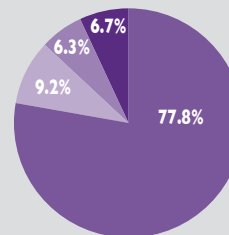
- Power generation and supply had an employment increase of 1.9% from 2013 to 2018
- This industry sector workforce has a higher percentage of workers that are between 25-54 years old compared to all other industries
- The creation of New Jersey Wind Port, a first-in-the-nation infrastructure investment will provide a location for essential staging, assembly, and manufacturing activities related to offshore wind projects on the East Coast



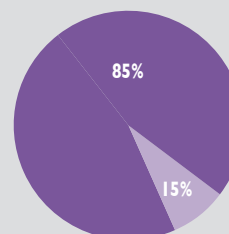
## Demographic Analysis



**Gender**  
79.5% female  
20.5% male



**Ethnicity**  
77.8% White  
9.2% Black  
6.3% Asian  
6.7% Other



**Education Level**  
85% high school or less  
15% associate or bachelor degree

# OCCUPATIONAL ANALYSIS

## 2018 EMPLOYMENT, AVERAGE SALARY AND MINIMUM EDUCATIONAL REQUIREMENT

OCCUPATIONS AND MINIMUM EDUCATIONAL REQUIREMENT	2018 EMPLOYMENT AND AVERAGE SALARY	
<b>ELECTRICAL POWER-LINE INSTALLERS AND REPAIRERS</b> <i>High school diploma or equivalent</i>	930	\$87,250
<b>HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS</b> <i>High school diploma or equivalent</i>	820	\$70,659
<b>INDUSTRIAL MACHINERY MECHANICS</b> <i>High school diploma or equivalent</i>	740	\$64,697
<b>FIRST-LINE SUPERVISORS OF MECHANICS, INSTALLERS, AND REPAIRERS</b> <i>High school diploma or equivalent</i>	670	\$88,800
<b>POWER PLANT OPERATORS</b> <i>High school diploma or equivalent</i>	440	\$84,192
<b>BUSINESS OPERATIONS SPECIALISTS, ALL OTHER</b> <i>Bachelor's degree</i>	410	\$83,836
<b>FIRST-LINE SUPERVISORS OF PRODUCTION, AND OPERATING WORKERS</b> <i>High school diploma or equivalent</i>	410	\$92,197
<b>ELECTRICAL AND ELECTRONICS REPAIRERS, POWERHOUSE, SUBSTATION, AND RELAY</b> <i>Post-secondary nondegree award</i>	360	\$88,802
<b>WATER AND WASTEWATER TREATMENT PLANT AND SYSTEM OPERATORS</b> <i>High school diploma or equivalent</i>	240	\$67,110
<b>POWER DISTRIBUTORS AND DISPATCHERS</b> <i>High school diploma or equivalent</i>	220	\$90,192
<b>ELECTRICAL ENGINEERS</b> <i>Bachelor's degree</i>	210	\$106,402
<b>FIRST-LINE SUPERVISORS OF OFFICE AND ADMINISTRATIVE SUPPORT WORKERS</b> <i>High school diploma or equivalent</i>	210	\$79,646

 2018 EMPLOYMENT
  AVERAGE SALARY