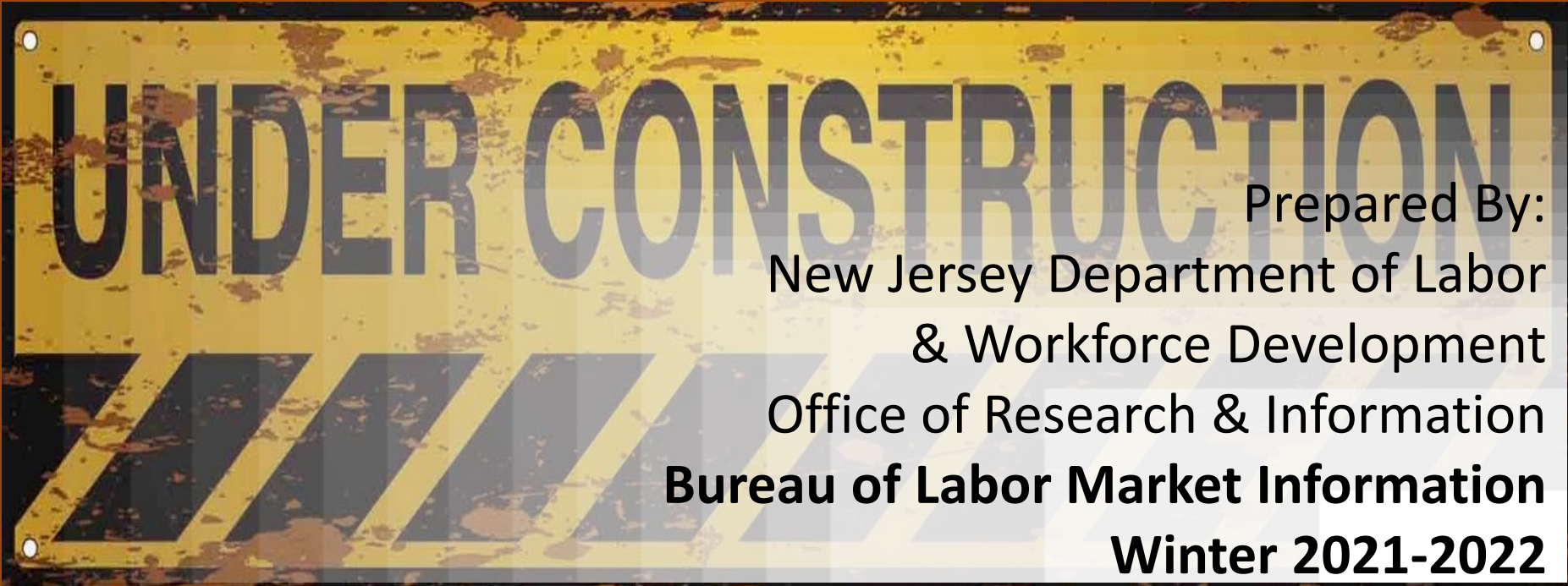


New Jersey's **CONSTRUCTION & UTILITIES** Industry Sector



Prepared By:
New Jersey Department of Labor
& Workforce Development
Office of Research & Information
Bureau of Labor Market Information
Winter 2021-2022



Office of
Research and
Information

THE GOAL OF THIS REPORT IS TO GET AN “IDEA” OF WHAT CONSTRUCTION AND UTILITIES MEANS TO NEW JERSEY

Identify the types of industries and establishments that make up the construction/utilities industry sector based on a standard industry classification system

Describe any similarities and differences among its components with regard to such variables as employment, wage, occupation type, education, and demographic characteristics

Examine any present distinctions within the sector and its components that give New Jersey a competitive advantage compared to neighboring states, regions or the nation, or show areas where New Jersey could improve to add to the state’s economy

Analyze the current state of the construction and utilities industry sector and provide an outlook for employment into the future



Office of
Research and
Information

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)

CONSTRUCTION

2361 Residential Building Construction

2362 Nonresidential Building Construction

2371 Utility System Construction

2372 Land Subdivision

2373 Highway, Street, and Bridge Construction

2379 Other Heavy and Civil Engineering
Construction

2381 Foundation, Structure, & Building Exterior
Contractors

2382 Building Equipment Contractors

2383 Building Finishing Contractors

2389 Other Specialty Trade Contractors

UTILITIES

2211 Electric Power Generation, Transmission &
Distribution

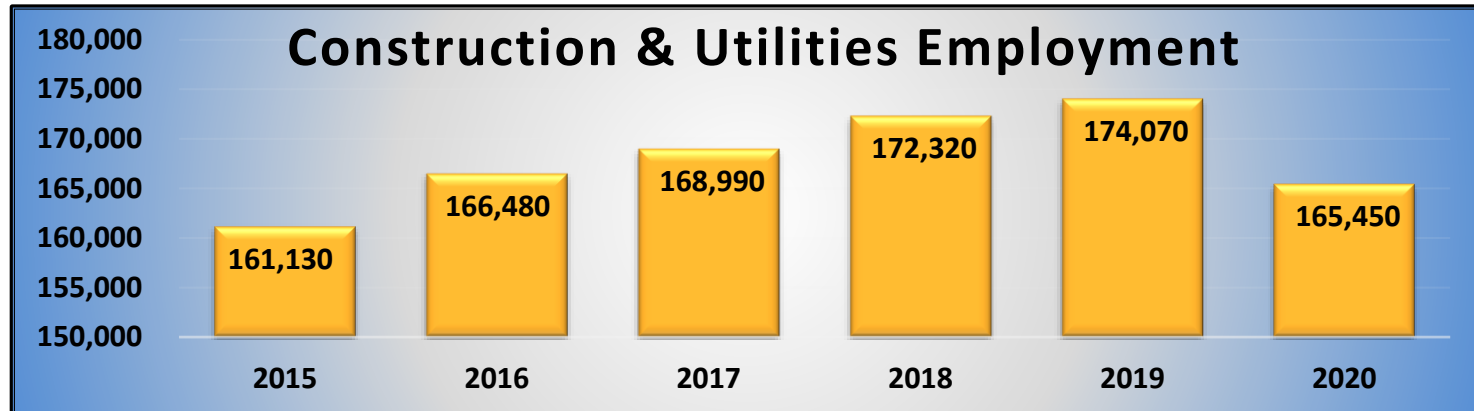
2212 Natural Gas Distribution

2213 Water, Sewage and Other Systems

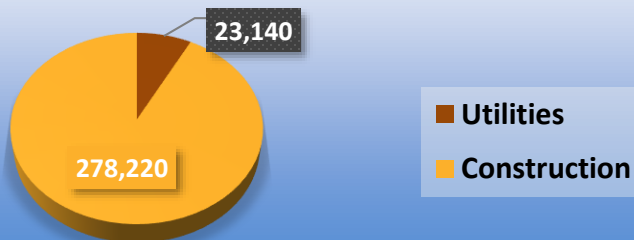


Office of
Research and
Information

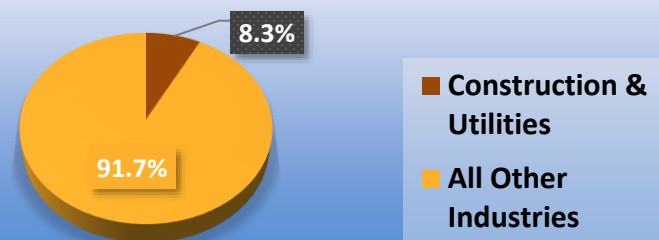
NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR OVERALL STATE IMPACT IN 2020



Construction & Utilities have a total of 23,140 establishments in N.J.



Construction & Utilities combined make up 8.3% of our State's establishments



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2015 – 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

CONSTRUCTION INDUSTRY SECTOR: OVERVIEW



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

CONSTRUCTION OVERVIEW, 2020

- The construction industry is divided into 3 components:
 - Specialty Trade Contractors
 - Construction of Buildings
 - Heavy and Civil Engineering
- In 2020, New Jersey's construction industry averaged 151,600 total employment. A decrease of 7,863 (-5%) jobs from 2019's average.
- An estimate of 97,470 people were employed in occupations classified as specialty trade contractors across the state in 2020.
- In 2020, the construction industry's average salary was \$77,900.



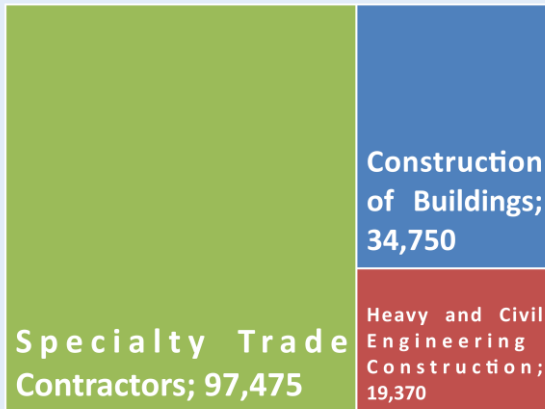
Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2019 - 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

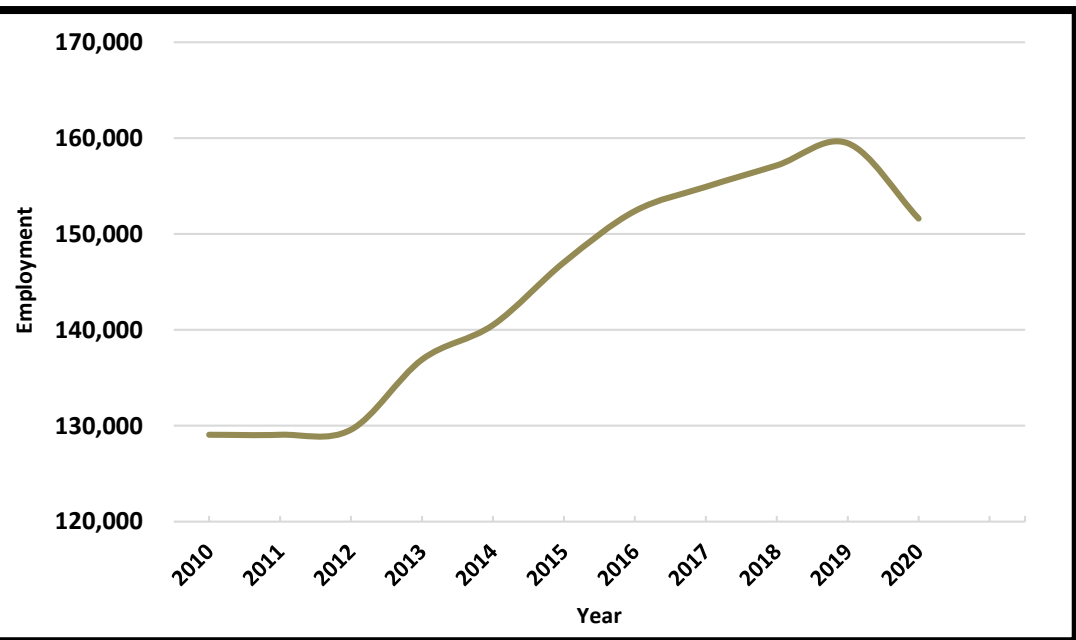
NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

CONSTRUCTION EMPLOYMENT, 2020

- In 2020, specialty trade contractors made up nearly two-thirds of the construction industry employment (64.3 percent); percent construction of buildings; and 12.7 percent heavy and civil engineering.



- Over the past 10 years (2010-2020), the construction industry has experienced an increase of 22,550 jobs. This is a total average growth of 1.8 percent per year. Its lower employment point was recorded in 2011 with only 129,050.



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2011 - 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

UTILITIES INDUSTRY SECTOR: OVERVIEW



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

UTILITIES OVERVIEW, 2020

- Utilities encompasses a wide range of subcategories to meet our energy requirements. Utilities has multiple classifications of establishments that produce energy such as fossil fuel, nuclear, solar, and wind. The NAICS (North American Industry Classification System) excludes waste management from this sector's employment.
- The average utility industry salary was \$130,320 in 2020 increasing \$8,139 (+6%) from 2019
- The utilities sector has very few establishments (380 units), which only accounts for 0.1 percent of the overall units in New Jersey.



Office of
Research and
Information

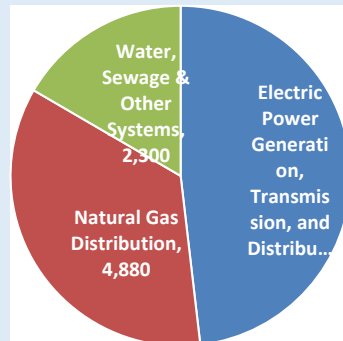
Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2019 – 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

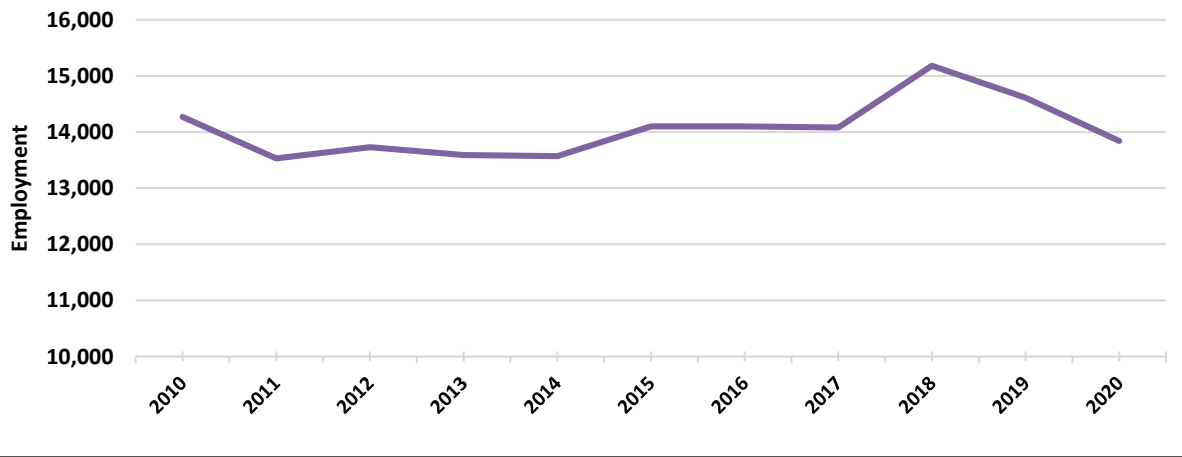
UTILITIES EMPLOYMENT, 2020

- Utilities is divided into three categories:
 - Electric Power Generation, Transmission, and Distribution.
 - Natural Gas Distribution.
 - Water, Sewage and Other Systems

- In 2020, Electric Power Generation, Transmission, and Distribution made up nearly half (48.1%) of the utilities industry employment.



Over the past 10 years (2010-2020), the utilities industry has experienced a declining workforce rate of 3 percent. Currently, the annual average employment for this industry is 13,840, this is 5 percent (or 760 jobs) fewer than in 2019.



Office of
Research and
Information

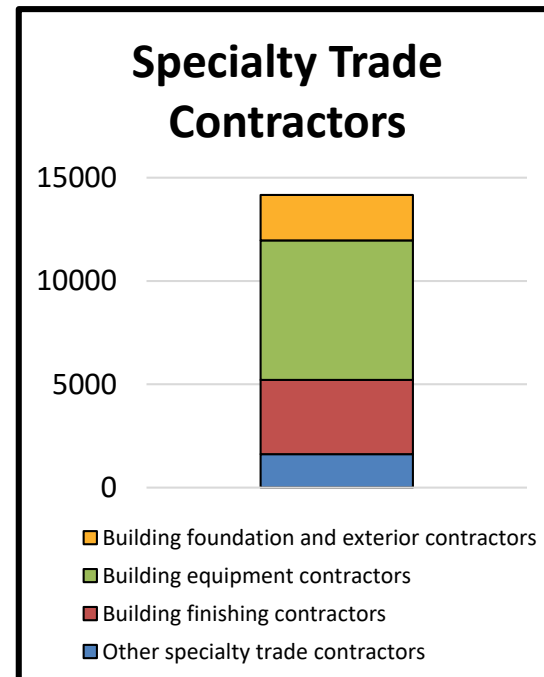
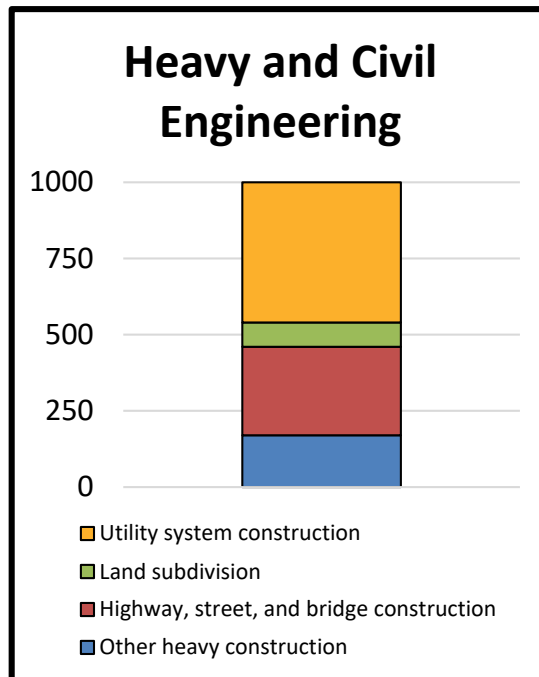
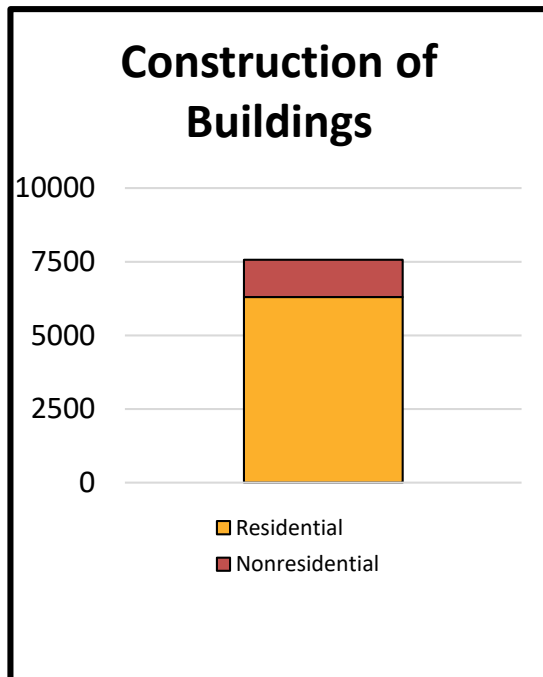
Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2011 - 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

CONSTRUCTION INDUSTRY SECTOR: ESTABLISHMENTS, EMPLOYMENT AND WAGES ANALYSIS



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

CONSTRUCTION ESTABLISHMENTS BY INDUSTRY GROUP, 2020



- In 2020, there were 22,760 construction establishments in New Jersey.
- Over 83 percent of the establishments in the construction of buildings group perform work on residential buildings.
- Specialty trade contractors make up nearly two-thirds of all construction industry establishments.

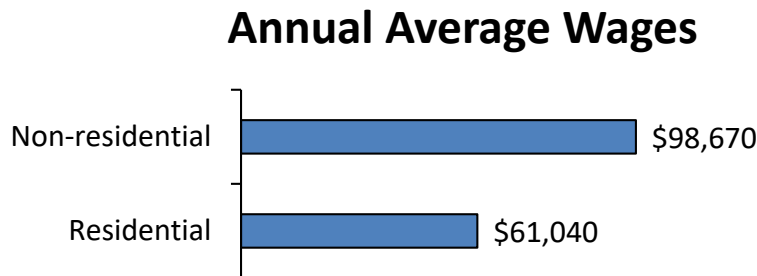
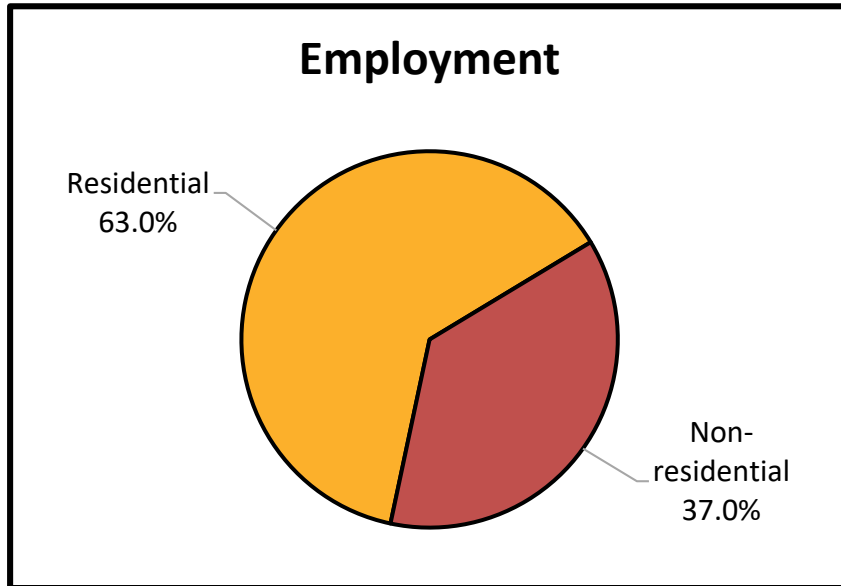


Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

CONSTRUCTION OF BUILDINGS, 2020



- The Construction of Buildings industry is made up of both residential and non-residential building construction. In 2020, residential building employed 21,900 workers, while non-residential building employed only 12,850.
- Establishments in the Construction of Buildings industry increased by nearly 8 percent (600 units) from 2016 to 2020.
- The Construction of Buildings annual average employment has remained flat over the 5-year period.
- This industry group paid over 2.6 billion in 2020 annual payrolls statewide. An increase of 3.2 percent from the total annual wages paid in 2016.

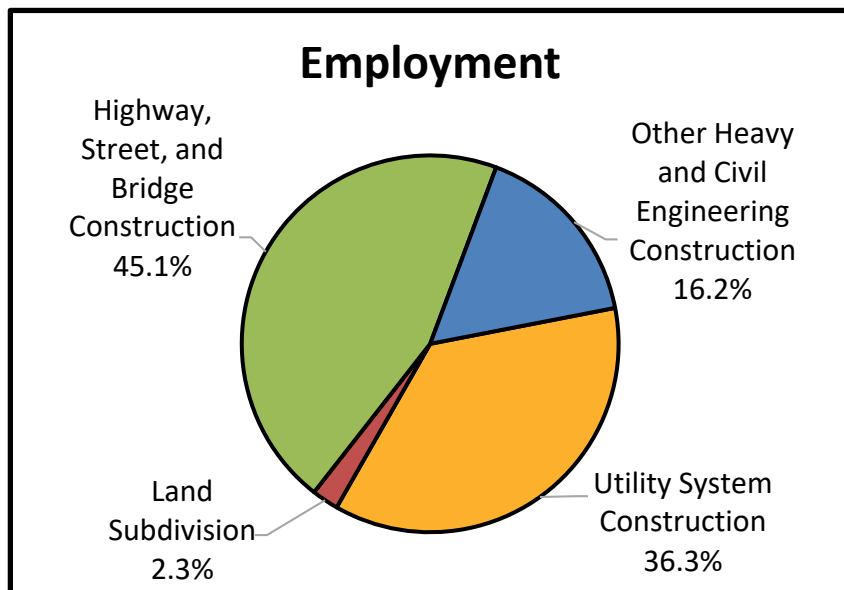


Office of
Research and
Information

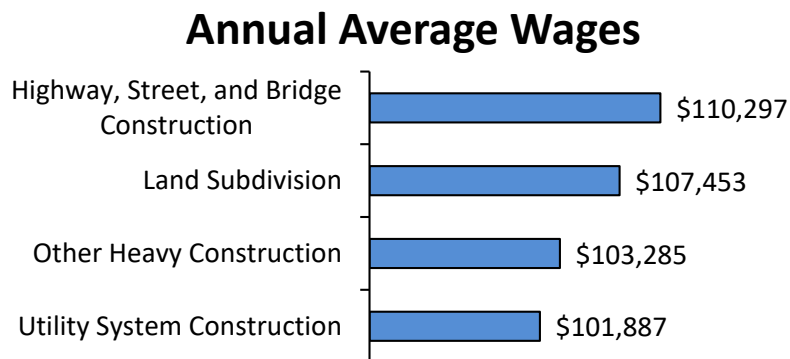
Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2016 - 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

HEAVY AND CIVIL ENGINEERING CONSTRUCTION, 2020



- In 2020, the highway, street and bridge construction group held the highest employment number (8,745), followed by utility system (7,035), other heavy and civil engineering construction (3,140), and lastly land subdivision (440).
- Establishments in the Heavy and Civil Engineering Construction group increased by nearly 4 percent (38 units) since 2016.
- The Heavy and Civil Engineering annual average employment has remained relatively constant over the 5-year period.
- This industry group paid more than 2 billion in 2020 annual payrolls statewide. This number represents a nearly 15% increase in total annual wages paid in 2016.

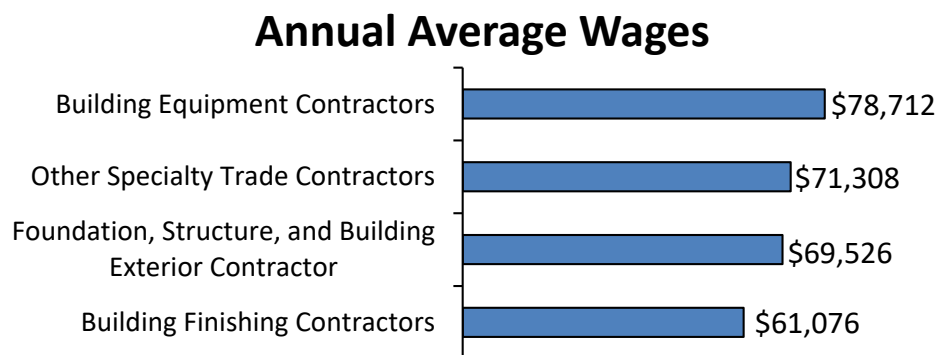
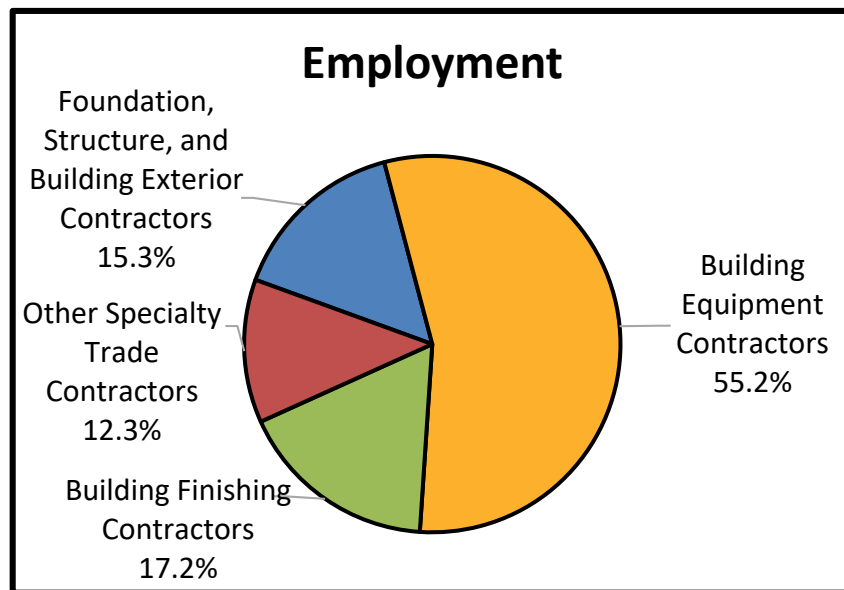


Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2016 - 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

SPECIALTY TRADE CONTRACTORS, 2020



- Specialty Trade Contractors employed 97,470 workers in 2020: Building equipment contractors employed the most (53,770), followed by building finishing contractors (16,750), building foundation/exterior contractors (14,950), and other specialty trade contractors (11,990).
- Establishments in the Building equipment contractors and the Building finishing contractors increased during the five-year period from 2016-2020.
- The Specialty Trade Contractors annual average employment experienced a slight decline of 875 jobs (1%) over the 5-year period.
- This industry group paid over 7 billion in 2020 annual payrolls statewide. An increase of 9.5 percent in comparison to 2016.



Office of
Research and
Information

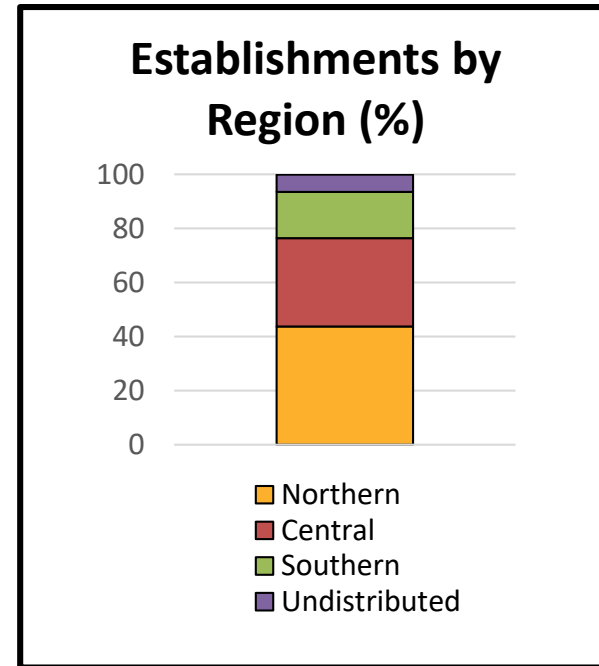
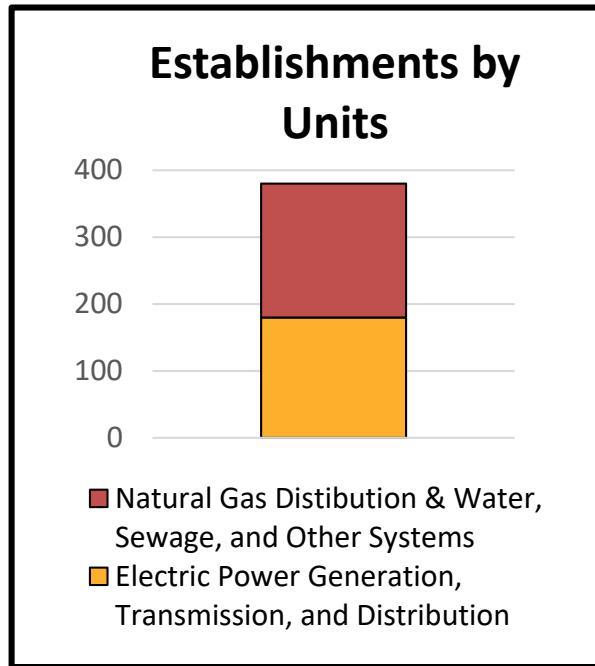
Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2014 - 2019 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

UTILITIES INDUSTRY SECTOR: ESTABLISHMENTS, EMPLOYMENT AND WAGES ANALYSIS



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

UTILITY ESTABLISHMENTS BY INDUSTRY GROUP, 2020



- In 2020, there were roughly 380 establishments in the utility industry employing people of all ages, genders, races, and educational backgrounds in New Jersey.
- Nearly half of utility establishments come from power generation and supply.
- Approximately 44 percent of establishments are in the Northern New Jersey region.

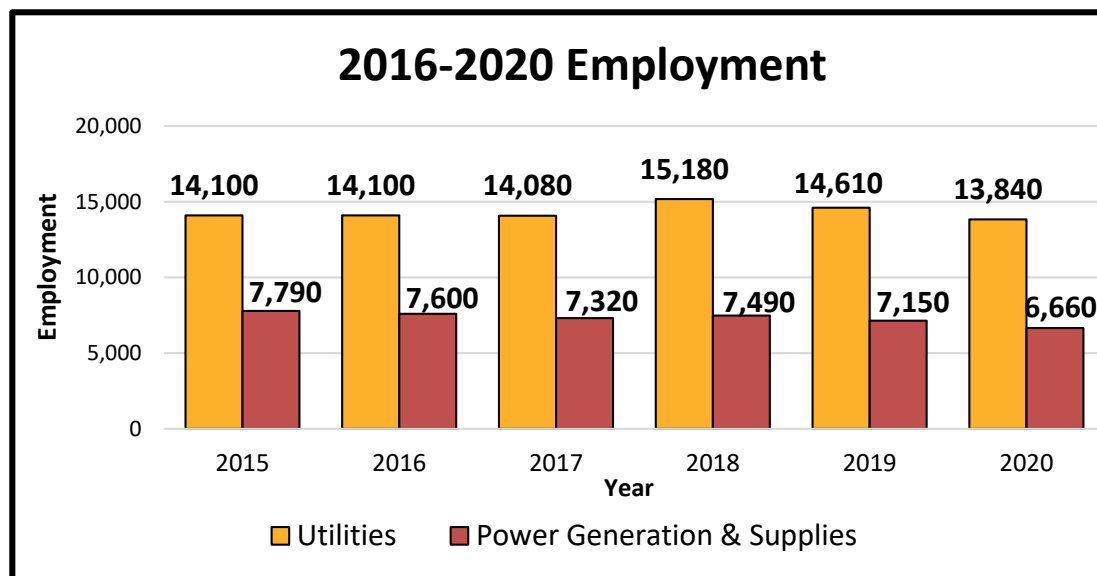


Office of
Research and
Information

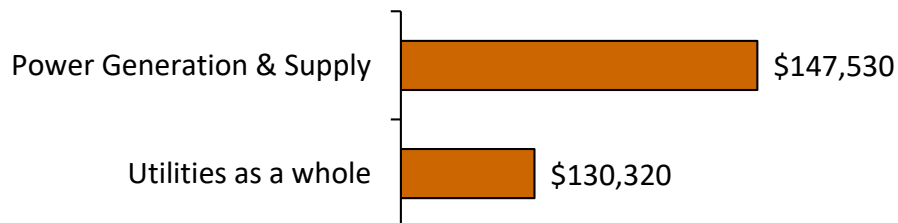
Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

ELECTRIC POWER, GAS DISTRIBUTION, WATER & SEWAGE, 2020



Annual Average Wages



- Establishments in the utility industry increased 9.5 percent from 2015 to 2020.
- Utility as a whole has seen a slight decrease in its annual average employment of 1.8 percent per year. This represents the loss of 260 jobs since 2015.
- During the five-year period (2015-2020), the utility industry has seen an increase in its annual average earnings from \$116,250 to \$130,320 (or 10.7 percent).
- Power generation and supply had an employment decrease of 16.9% (-1,130 jobs) from 2015-2020. This sector represented nearly half of 2020's utility industry employment.



Office of
Research and
Information

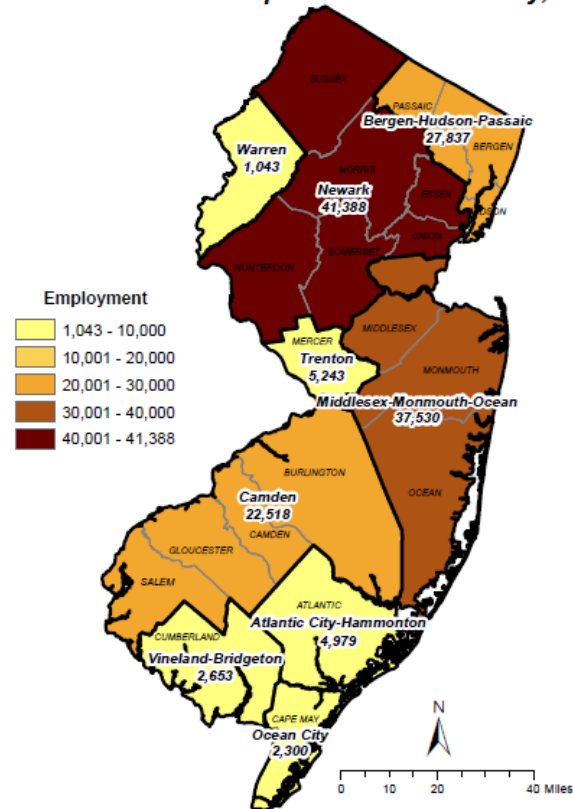
Source: NJ Department of Labor & Workforce Development, Quarterly Census of Employment and Wages, 2016 – 2020 Annual Averages
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

CONSTRUCTION INDUSTRY SECTOR: OCCUPATIONAL ANALYSIS



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR CONSTRUCTION OCCUPATIONS BY LABOR AREAS, 2020

*Employment by Labor Area
Construction Occupation in New Jersey, 2020*



Note: Map represents total Construction and Extraction Occupations

NEW JERSEY LABOR AREAS	EMPLOYMENT
Newark	41,388
Middlesex-Monmouth-Ocean	37,530
Bergen-Hudson-Passaic	27,837
Camden	22,518
Atlantic City / Hammonton	4,979
Trenton	5,243
Vineland / Bridgeton	2,653
Ocean City	2,300
Warren	1,043



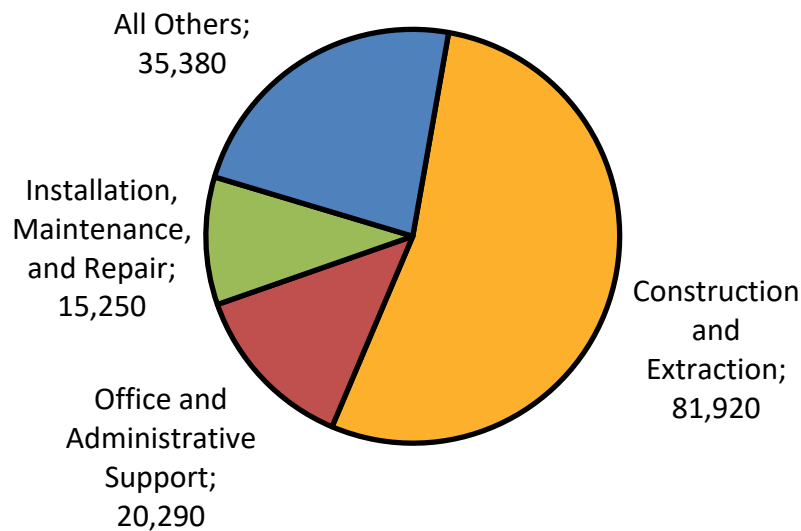
Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

CONSTRUCTION OCCUPATIONS BY MAJOR GROUPS, 2020

Employment by Major Occupational Group



The majority of construction employees worked in Construction and Extraction Occupations (51.2%).

Construction Laborers is the top occupation in this group with an employment number of 18,870 and an annual average salary of \$57,600.

The second largest occupational group in construction is Office and Administrative Support Occupations (12.7%).

General Office Clerk top this category with an employment of 15,250 and an annual average salary of \$42,840.

The third largest is Installation, Maintenance, and Repair (9.5%).

Heating, air conditioning, and refrigeration mechanics have the largest employment in this group with a total of 7,470 jobs and an annual average salary of \$59,930.

The top three occupational groups make up 77.9 percent of the total employment in the construction industry sector.



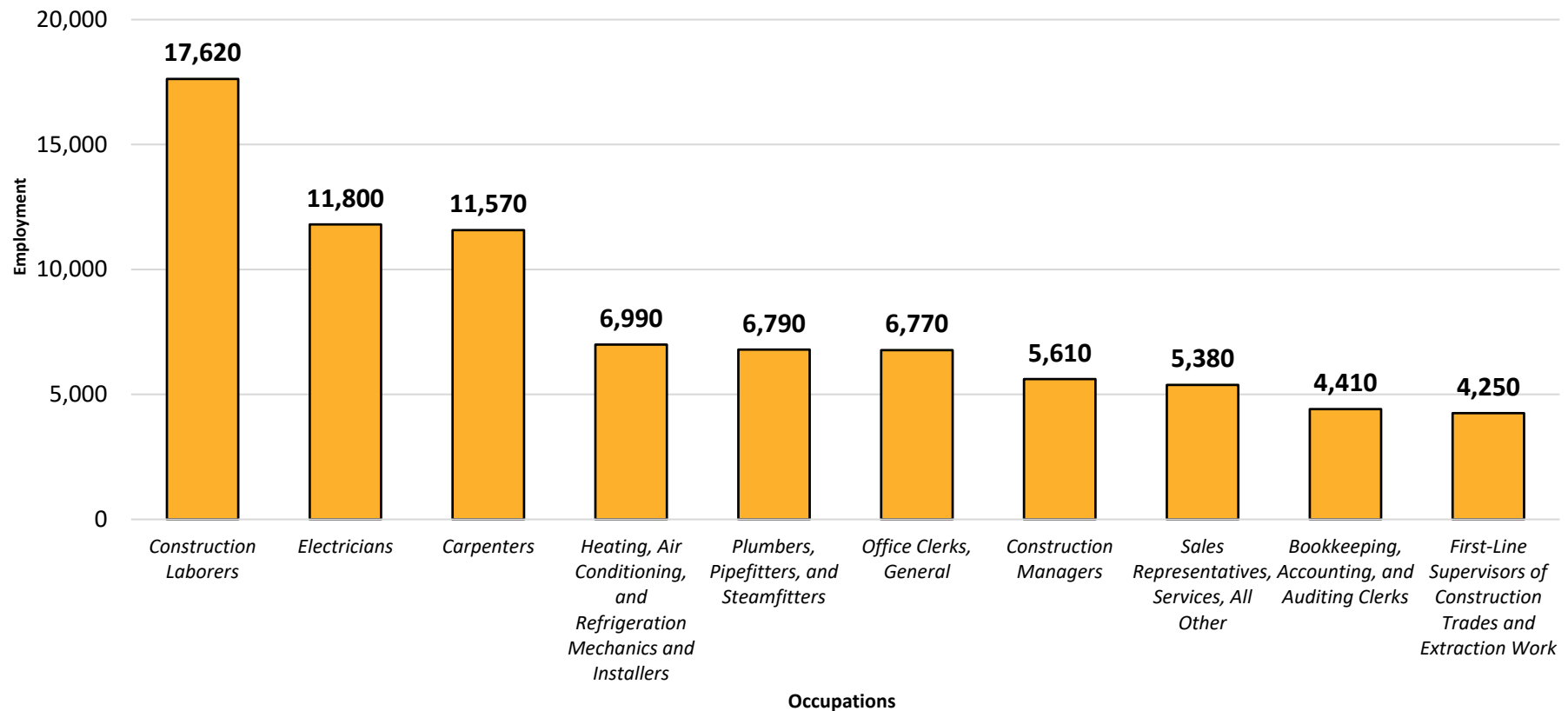
Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

TOP 10 OCCUPATIONS IN THE CONSTRUCTION SECTOR, 2020

Occupations in Construction with the most Employment, NJ 2020



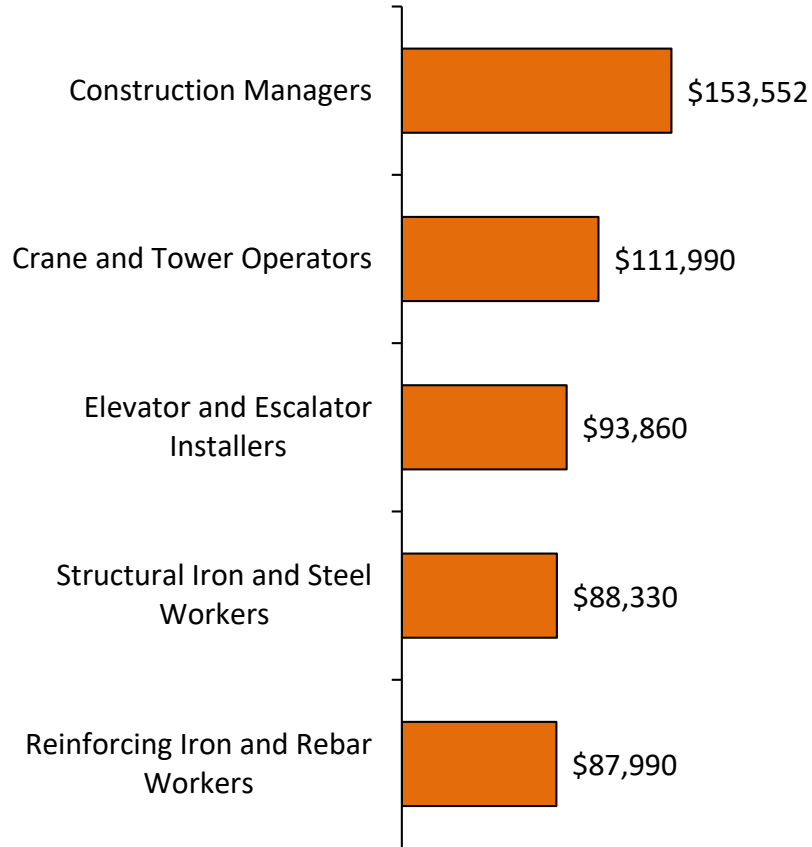
Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

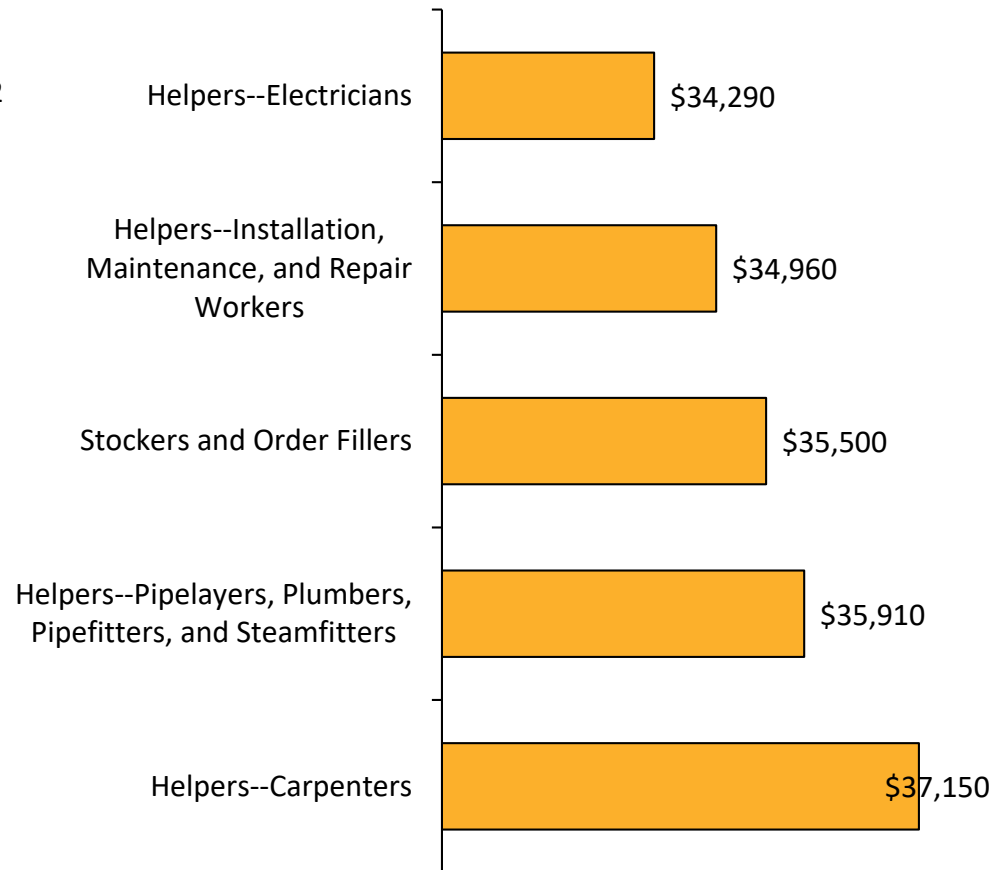
NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

ANNUAL SALARIES FOR SOME CONSTRUCTION OCCUPATIONS, 2020

Higher End Average Annual Salaries



Lower End Average Annual Salaries



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

TOP 20 OCCUPATIONS IN THE CONSTRUCTION SECTOR, 2020

SOC Code	Occupation	Employment	Average Wage	Education Requirement
47-2061	Construction Laborers	17,620	\$59,410	No formal educational credential
47-2111	Electricians	11,800	\$76,075	High school diploma or equivalent
47-2031	Carpenters	11,570	\$66,470	High school diploma or equivalent
47-2152	Plumbers, Pipefitters, and Steamfitters	6,990	\$75,230	High school diploma or equivalent
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	6,790	\$59,930	Postsecondary nondegree award
43-9061	Office Clerks, General	6,770	\$36,140	High school diploma or equivalent
11-9021	Construction Managers	5,650	\$153,550	Bachelor's degree
41-3091	Sales Representatives of Services	5,380	\$88,930	High school diploma or equivalent
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,410	\$47,300	Some college, no degree
47-1011	First-line Supervisors of Construction Trades and Extraction Workers	4,250	\$87,870	High school diploma or equivalent
47-2141	Painters, Construction and Maintenance	4,200	\$54,980	No formal educational credential
47-2073	Operating Engineers and Other Construction Equipment Operators	3,140	\$90,960	High school diploma or equivalent
13-1051	Cost Estimators	2,920	\$74,050	Bachelor's degree
47-2051	Cement Masons and Concrete Finishers	2,580	\$60,545	No formal educational credential
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical,	2,090	\$36,280	High school diploma or equivalent
53-3032	Heavy and Tractor-Trailer Truck Drivers	2,080	\$58,970	Postsecondary nondegree award
47-2081	Drywall and Ceiling Tile Installers	1,980	\$55,730	No formal educational credential
47-2211	Sheet Metal Workers	1,720	\$70,390	No formal educational credential
53-7062	Laborers and Freight, Stock and Material Movers, Hand	1,540	\$35,890	High school diploma or equivalent
47-2181	Roofers	1,450	\$68,770	High school diploma or equivalent

3/4 of the Top 20 Construction Occupations in NJ Require a High School Diploma or Less



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

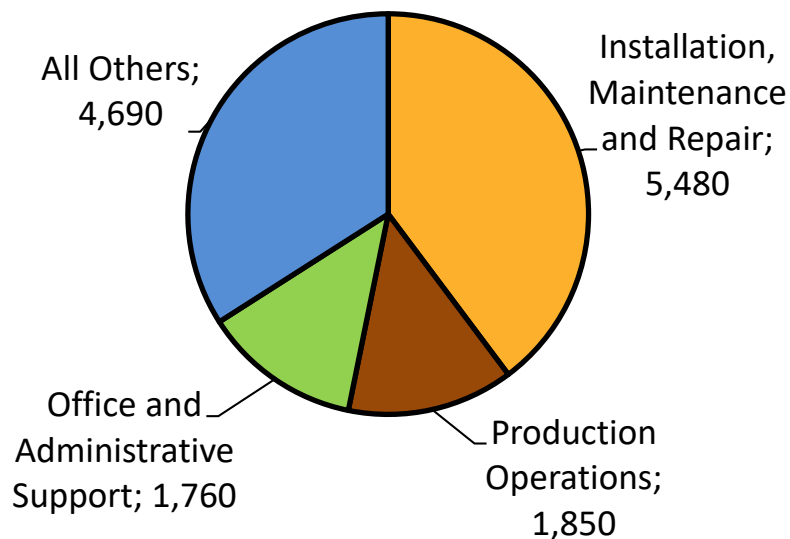
UTILITIES INDUSTRY SECTOR: OCCUPATIONAL ANALYSIS



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

UTILITY OCCUPATIONS BY MAJOR GROUPS, 2020

Employment by Major Occupational Group



Over two-thirds of utility employees worked in installation, maintenance, and repair occupations (39.7%).

Electrical Power-Line Installers and Repair is the top occupation in this group with a total employment number of 960 and an annual average salary of \$95,180.

The second largest occupational group in utilities production operations (13.4%).

Production and operation supervisors are the top employment in this category with a total employment of 510 and an annual average salary of \$114,618.

The third largest is office and administrative support (12.7%).

Utility Meter Readers are the largest occupation of this group with 560 employees and an annual average salary of \$59,077.

The top three occupational groups make up 66 percent of the total employment in the utilities industry sector.



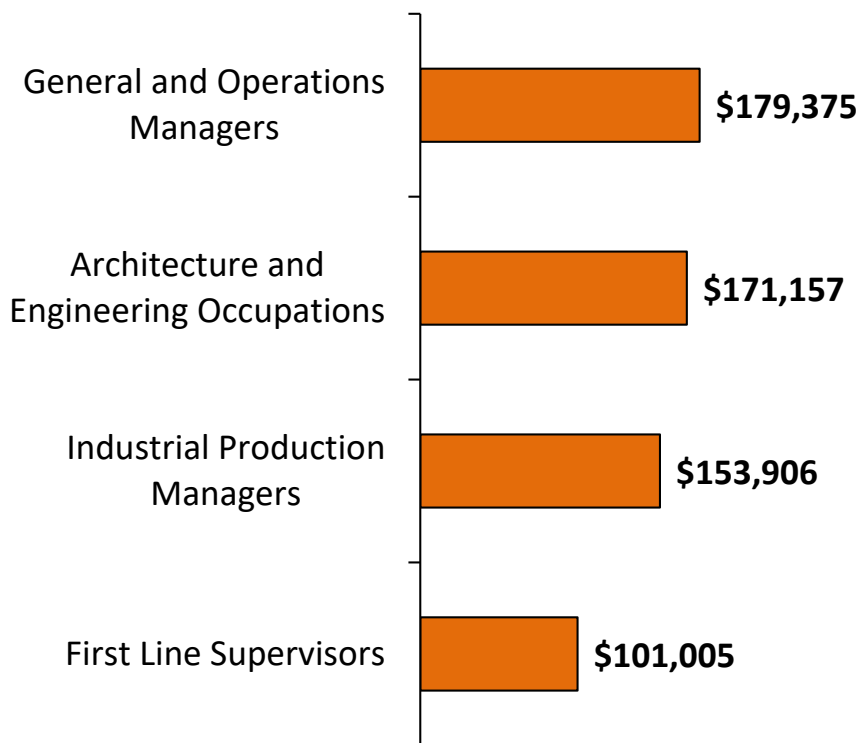
Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

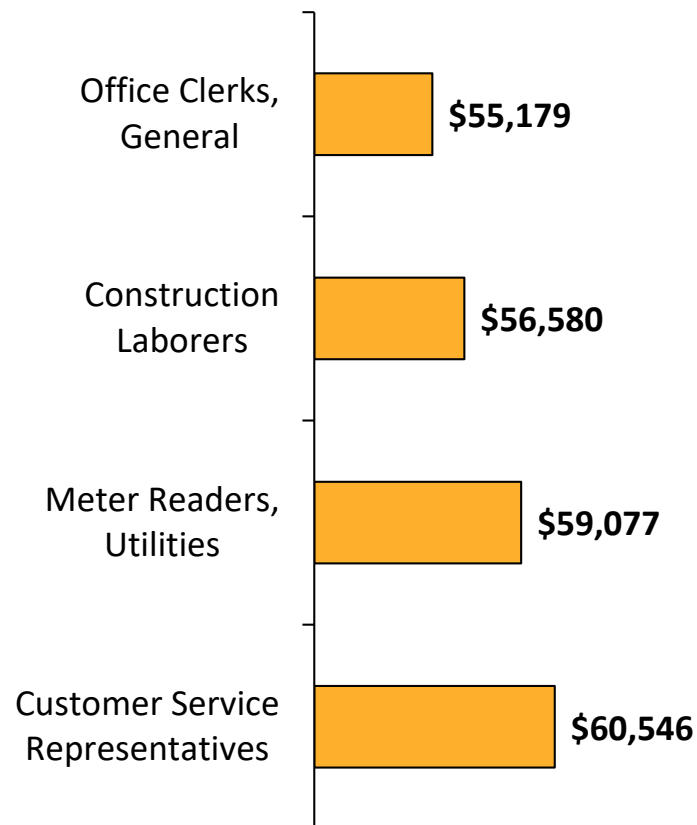
NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

ANNUAL SALARY FOR SOME UTILITIES OCCUPATIONS, 2020

Higher End Average Annual Salaries



Lower End Average Annual Salaries

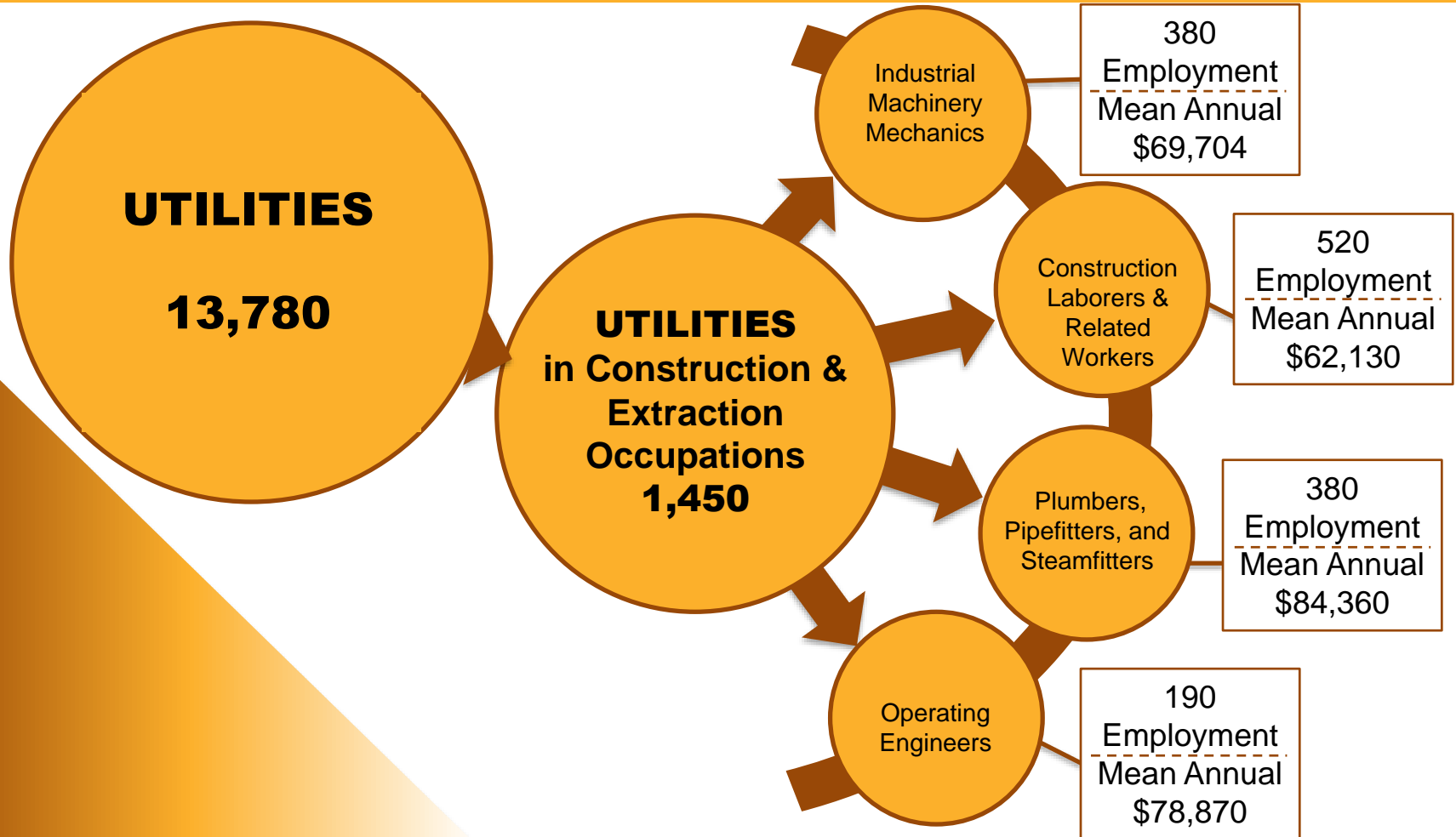


Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

UTILITY JOBS IN CONSTRUCTION AND EXTRACTION OCCUPATIONS



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

TOP 20 OCCUPATIONS WITH THE MOST EMPLOYMENT IN NJ, 2020

SOC Code	Description	Employment	Average Wage	Education Requirement
49-9051	Electrical Power-Line Installers and Repairers	960	\$95,180	Bachelor's Degree
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	940	\$101,005	High School Diploma or Equivalent
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	910	\$81,377	Postsecondary nondegree award
49-9041	Industrial Machinery Mechanics	890	\$69,704	High School Diploma or Equivalent
43-5041	Meter Readers, Utilities	560	\$59,077	High School Diploma or Equivalent
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	550	\$96,383	Postsecondary nondegree award
51-1011	First-Line Supervisors of Production and Operating Workers	510	\$114,618	High School Diploma or Equivalent
49-9071	Maintenance and Repair Workers, General	460	\$82,669	High School Diploma or Equivalent
47-2152	Plumbers, Pipefitters, and Steamfitters	380	\$84,363	Postsecondary nondegree award
49-9099	Installation, Maintenance, and Repair Workers, All Other	370	\$83,065	High School Diploma or Equivalent
43-9061	Office Clerks, General	300	\$55,179	High School Diploma or Equivalent
43-4051	Customer Service Representatives	280	\$60,546	High School Diploma or Equivalent
51-8031	Water and Wastewater Treatment Plant and System Operators	280	\$67,676	High School Diploma or Equivalent
51-8013	Power Plant Operators	270	\$92,968	High School Diploma or Equivalent
47-2061	Construction Laborers	260	\$56,580	High School Diploma or Equivalent
47-4090	Miscellaneous Construction and Related Workers	260	\$67,687	High School Diploma or Equivalent
13-1198	Project Management Specialists and Business Operations Specialists, All Other	230	\$90,467	Bachelor's Degree
11-1021	General and Operations Managers	220	\$179,375	Bachelor's Degree
51-8092	Gas Plant Operators	200	\$82,512	Bachelor's Degree
17-2071	Electrical Engineers	200	\$104,290	Bachelor's Degree
47-2073	Operating Engineers and Other Construction Equipment Operators	190	\$78,873	Associate's Degree

65 percent of the Top 20 Utility Occupations in NJ Require a High School Diploma or Less



Office of
Research and
Information


Source: NJ Department of Labor & Workforce Development, Occupational Employment Statistics Survey, 2019
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

RESIDENTIAL BUILDING PERMITS




NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

RESIDENTIAL HOUSING UNITS AUTHORIZED TO BE BUILT



In 2020, there were 36,146 housing units authorized for construction in New Jersey, representing a slight decrease of less than 1 percent over the 2019 year.



During the last 5 years (2016-2020), the value of the constructions totaled more than 4 billion dollars year over year.



Hudson and Ocean Counties issued the most residential building permits in 2020.



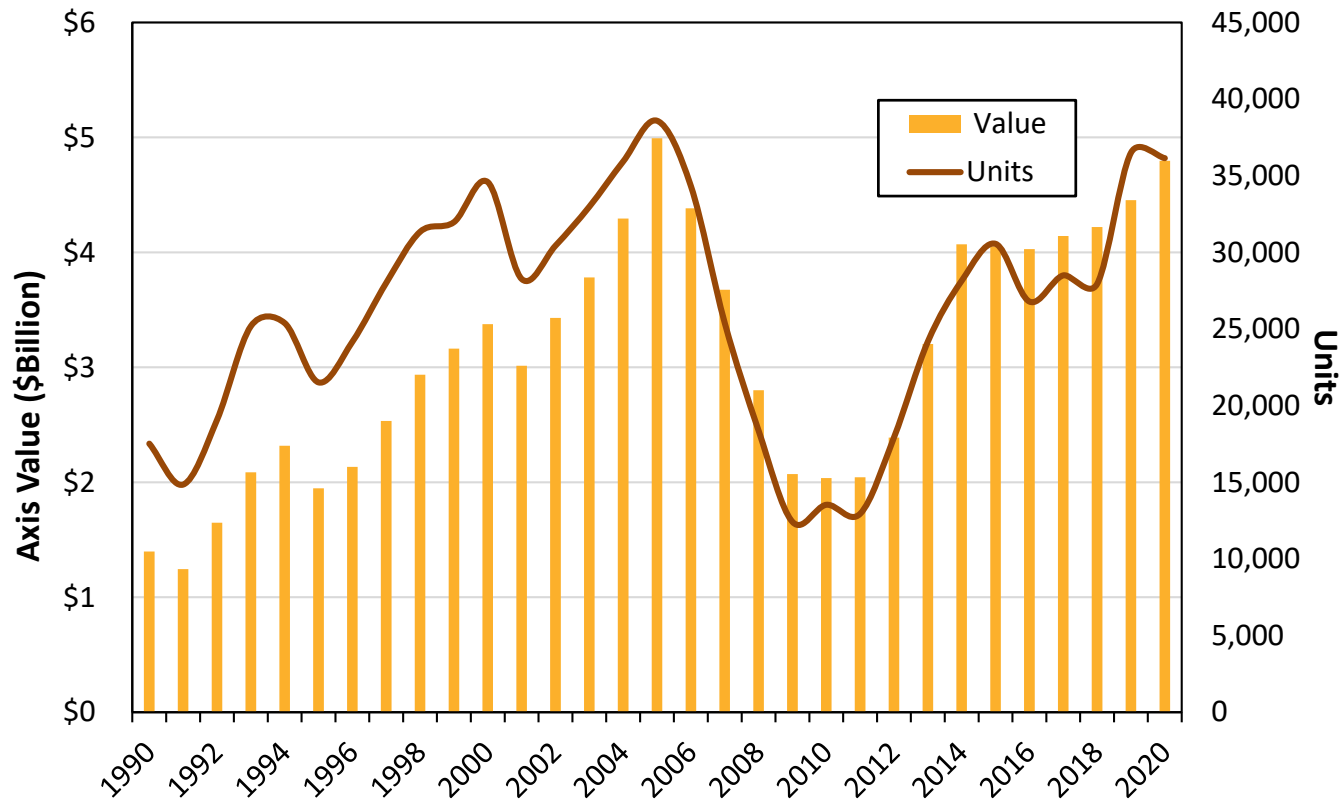
Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, U.S. Bureau of Census, Construction Division, Annual Residential Housing, 2019
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

NEW JERSEY RESIDENTIAL BUILDING PERMITS 1990-2020

**New Jersey
Residential Building Permits
1990 - 2020**



A significant decline on the number of residential building permits was observed in New Jersey from 2005 to 2011. There were approximately 66 percent fewer permits in comparison to 2005.

Followed by an increase of 70 percent from 2012 to 2015. Then, a sudden decline in 2016 and a quick rebound in 2017 (6.4%).

Since 1990, the total number of permits had an overall increase of 108 percent and 219 percent in value.

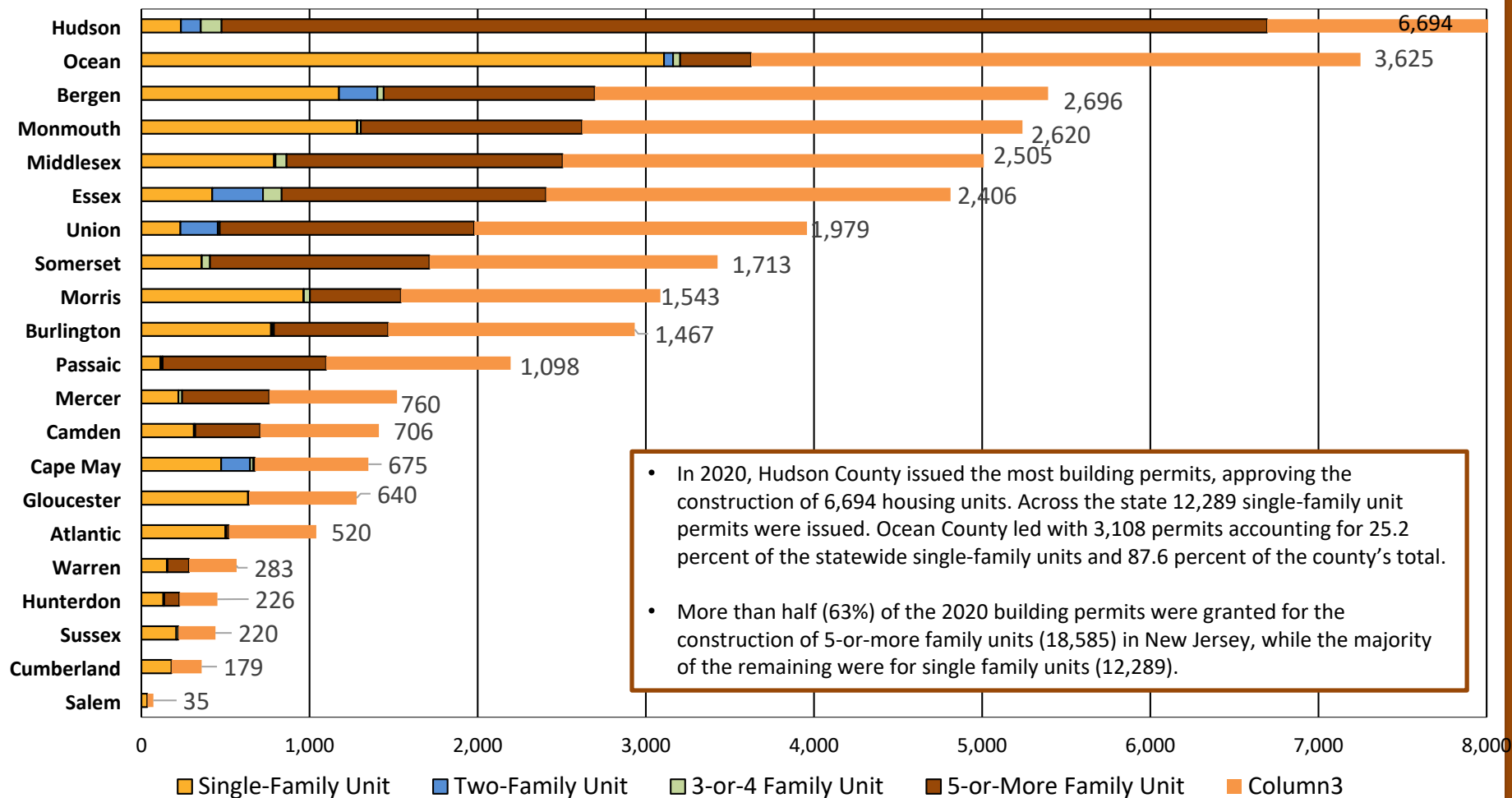


Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, U.S. Bureau of Census, Construction Division, Annual Residential Housing, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

ANNUAL RESIDENTIAL BUILDING PERMITS BY CONSTRUCTION TYPE



- In 2020, Hudson County issued the most building permits, approving the construction of 6,694 housing units. Across the state 12,289 single-family unit permits were issued. Ocean County led with 3,108 permits accounting for 25.2 percent of the statewide single-family units and 87.6 percent of the county's total.
- More than half (63%) of the 2020 building permits were granted for the construction of 5-or-more family units (18,585) in New Jersey, while the majority of the remaining were for single family units (12,289).



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, U.S. Bureau of Census, Construction Division, Annual Residential Housing, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

BUILDING PERMITS BY REGION, 2020

Region	County	Value	Units	Single Family Units	Two-Family Units	3 or 4 Family Units	5 or more Family Units
North	Bergen	\$529,851,515	2,696	1,175	228	38	1,255
	Hudson	\$950,776,205	6,694	235	118	124	6,217
	Essex	\$333,174,899	2,406	421	302	111	1,572
	Morris	\$190,387,335	1,543	964	2	36	541
	Union	\$213,740,610	1,979	232	222	12	1,513
	Somerset	\$202,531,340	1,713	357	2	49	1,305
	Hunterdon	\$40,135,664	226	130	6	0	90
	Passaic	\$106,880,169	1,098	113	10	3	972
	Sussex	\$36,122,696	220	208	0	12	0
	Warren	\$33,271,860	283	151	4	0	128
Central	Ocean	\$490,382,395	3,625	3,108	54	42	421
	Monmouth	\$453,840,765	2,620	1,282	2	36	541
	Middlesex	\$317,013,525	2,505	789	8	66	1,642
	Mercer	\$115,256,126	760	220	0	22	518
South	Cape May	\$243,196,086	675	474	172	19	10
	Burlington	\$163,523,938	1,467	771	6	11	679
	Atlantic	\$155,744,528	520	449	6	0	15
	Camden	\$77,955,631	706	312	2	6	386
	Gloucester	\$89,664,656	640	634	0	0	6
	Cumberland	\$46,102,838	179	179	0	0	0
	Salem	\$6,885,646	35	35	0	0	0
Total	New Jersey	\$4,796,438,427	32,590	12,289	1,144	572	18,585

The types of residential housing permits issued varies across the three regions. The Northern Region issued the most residential permits (18,858 units). Over 72 percent (13,593 units) were for 5-or-more family unit construction.

The Central Region had the most residential authorizations (5,399). Single-family units accounted for 56.7 percent (3,896 units) of the planned homebuilding.

The Southern Region issued the least building permits (4,222). Over 68.7 percent (2,904 units) were single family units.



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, U.S. Bureau of Census, Construction Division, Annual Residential Housing, 2020
Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

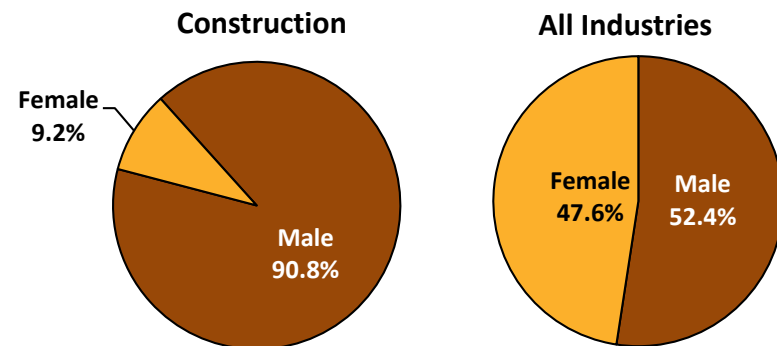
CONSTRUCTION INDUSTRY SECTOR: DEMOGRAPHIC OVERVIEW



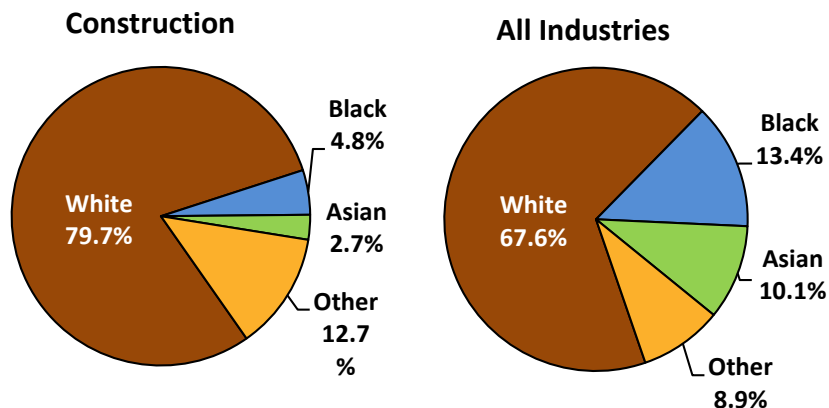
NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

GENDER, RACIAL, AND ETHNIC PROFILE IN CONSTRUCTION

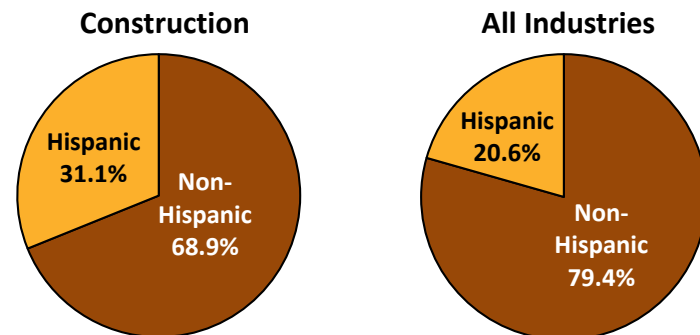
The construction industry is male driven. There are approximately nine males for every female



The workforce in construction is much less diverse than all industries.



The construction industry has more Hispanic workers than the average in all industries.



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, U.S. Bureau of Census, American Community Survey, 2019

Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

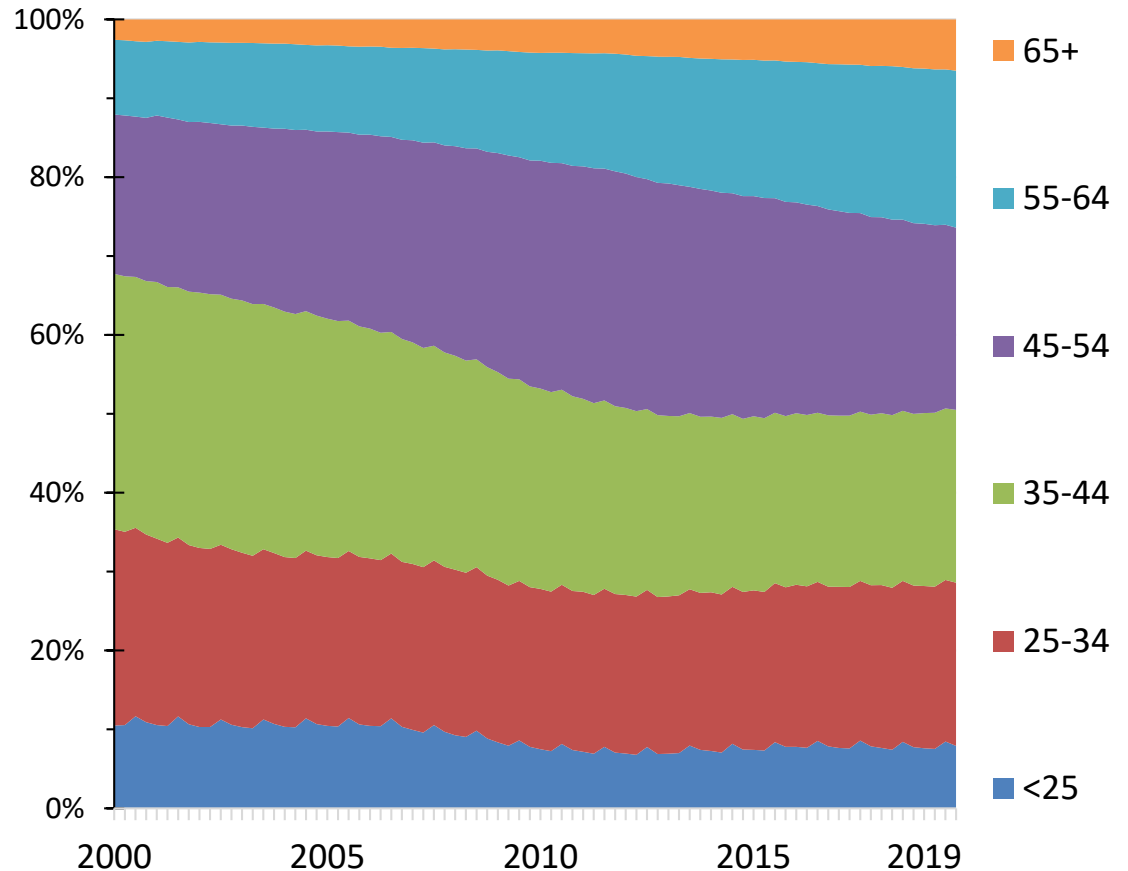
NEW JERSEY CONSTRUCTION INDUSTRY WORKFORCE AGE DEMOGRAPHICS, 2020

The number of construction workers aged 65 and older has increased by 188.7% from 2000 to 2019

From 2000 to 2019 workers aged 55+ increased by 151.3%

Although the 35-54 age group decreased by nearly 1,300 it is the largest group accounting for over ¼ of the industry

The 34 and under age group lost over 3,600 jobs since 2000



Office of
Research and
Information

Source: United States Census Bureau, Quarterly Workforce Indicators, 2000-2019

Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

UTILITIES INDUSTRY SECTOR: DEMOGRAPHIC OVERVIEW

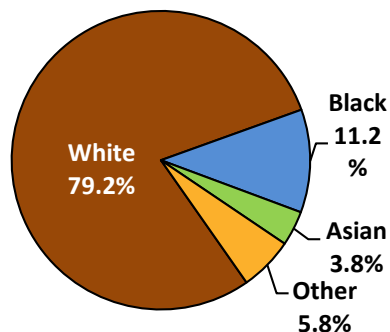


NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

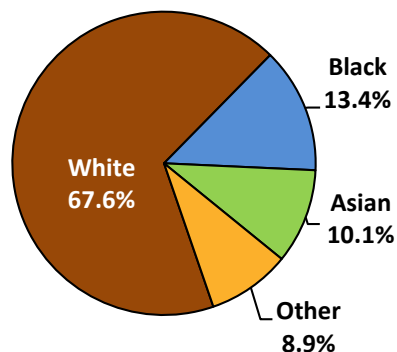
GENDER, RACIAL, AND ETHNIC PROFILE IN UTILITY

The utilities industry is also male driven. However, females make up almost one quarter of the industry.

Utility

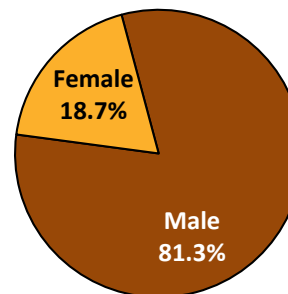


All Industries

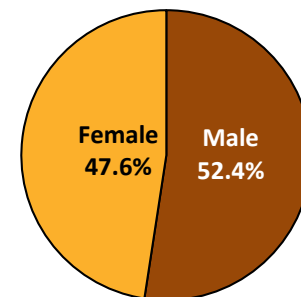


The utility workforce has less Hispanic workers than the average of all industries.

Utility

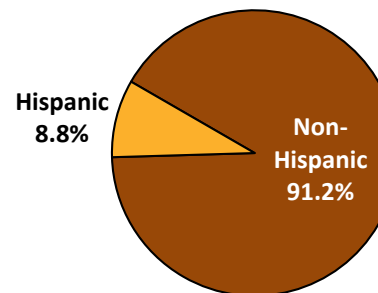


All Industries

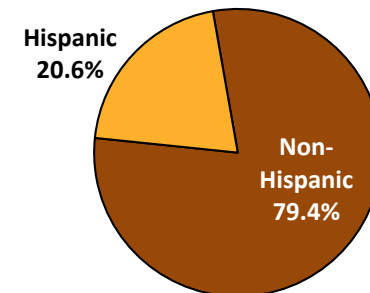


The workforce in the utilities industry is much less diverse than all industries.

Utility



All Industries



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, U.S. Bureau of Census, American Community Survey, 2019

Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

NEW JERSEY UTILITIES INDUSTRY WORKFORCE AGE DEMOGRAPHICS, 2020

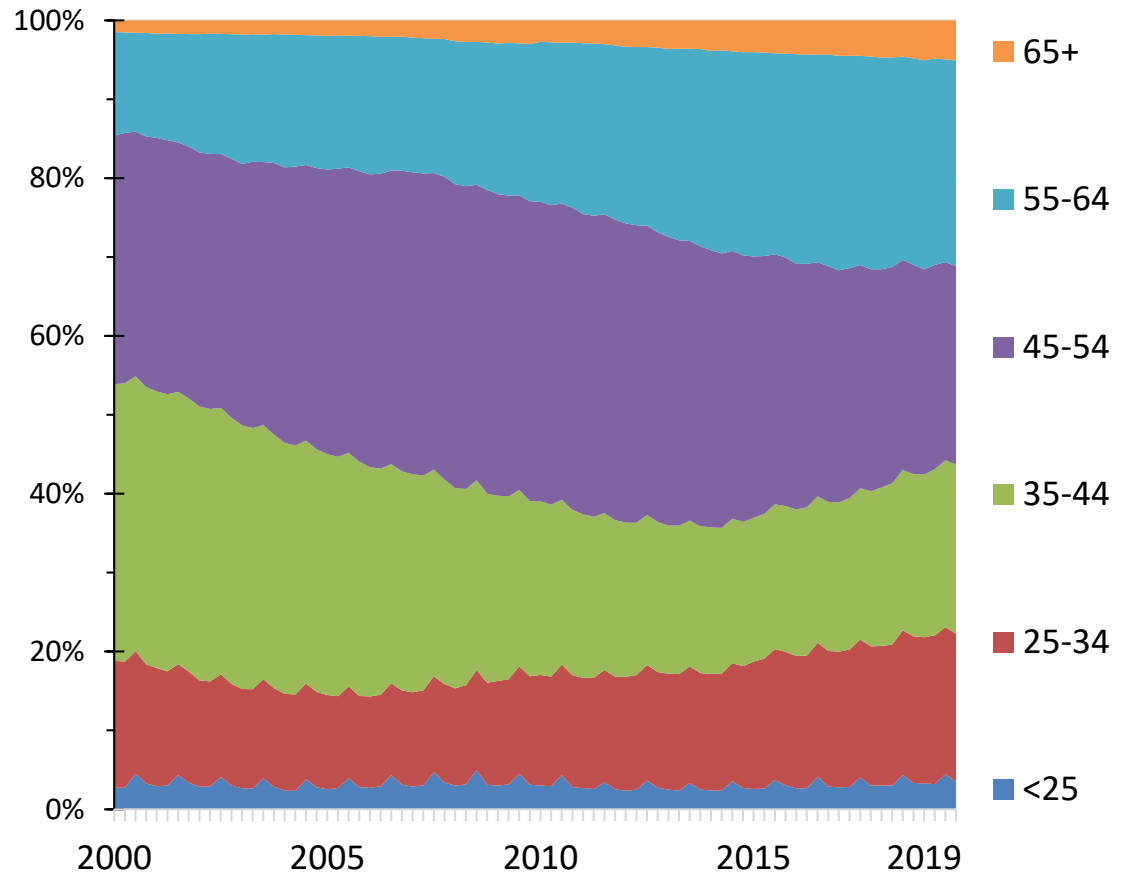
The number of utilities workers aged 65 and older has tripled from 2000 to 2019

From 2000 to 2019 workers aged 55+ doubled to nearly a third of workforce

The 35-54 age group went from two-thirds in 2000 down to less than half in 2019

The 25-34 age group saw slight growth since 2000

The smallest age group (under 25) is less than 4 percent



Office of
Research and
Information

Source: United States Census Bureau, Quarterly Workforce Indicators, 2000-2019

Prepared by: New Jersey Department of Labor and Workforce Development, December 2021

CONSTRUCTION INDUSTRY SECTOR: OCCUPATIONAL PROJECTIONS & OUTLOOK



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

TOP CONSTRUCTION OCCUPATIONS OUTLOOK

Occupation Title	Employment			
	Actual 2018	Projected 2028	Change 2018 - 2028	
			Number	Percent
Heating, air conditioning, and refrigeration mechanics and installers	6,350	7,320	970	15.3
Plumbers, pipefitters, and steamfitters	7,630	8,770	1,140	17.9
Roofers	1,380	1,540	160	11.6
Sales Representatives, Services	4,540	5,030	490	10.8
Electricians	14,920	16,530	1,610	10.8
Brickmasons and Blockmasons	1,160	1,280	120	10.3
Structural Iron and Steel Workers	1,380	1,520	140	10.1
Laborers and Freight, Stock and Material Movers	1,390	1,530	140	10.1
Cement Masons and Concrete Finishers	3,430	3,770	340	9.9
Cost Estimators	3,180	3,490	310	9.7
Sheet Metal Workers	1,540	1,690	150	9.7
First-Line Supervisors of Construction Trades	4,580	5,020	440	9.6
Construction Managers	5,120	5,610	490	9.6
Sales Representatives, Wholesale and Manufacturing	1,780	1,950	170	9.6
Accountants and Auditors	1,130	1,230	100	8.8
Construction Laborers	19,520	21,220	1,700	8.7
Heavy and Tractor Trailer Truck Drivers	2,200	2,390	190	8.6
Operating Engineers	3,240	3,490	250	7.7
Carpenters	13,580	14,540	960	7.1
Helpers—Electricians	1,400	1,470	70	5.0

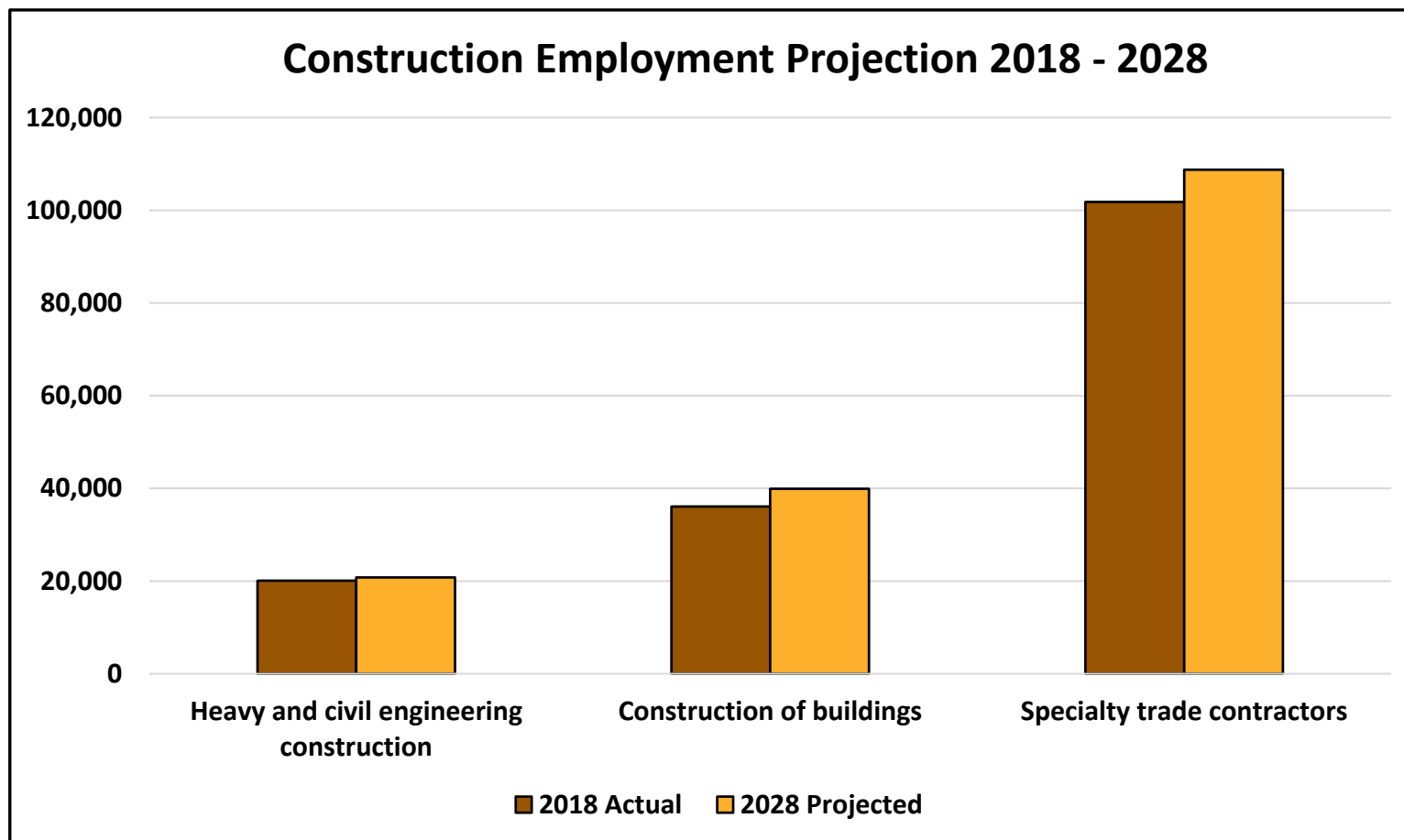


Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, 2018-2028
Industry and Occupational Employment Projections.
Prepared by: New Jersey Department of Labor and Workforce Development,
December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

CONSTRUCTION INDUSTRY EMPLOYMENT PROJECTION



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, 2018-2028
Industry and Occupational Employment Projections.
Prepared by: New Jersey Department of Labor and Workforce Development,
December 2021

UTILITIES INDUSTRY SECTOR: OCCUPATIONAL PROJECTIONS & OUTLOOK



NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

TOP UTILITIES OCCUPATIONS OUTLOOK

Occupation Title	Employment			
	Actual 2018	Projected 2028	Change 2018-2028	
			Number	Percent
Electrical Power-Line Installers and Repairers	930	1040	110	11.8
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	350	390	40	11.4
First-Line Supervisors of Mechanics, Installers, and Repairers	670	740	70	10.4
Stock Clerks and Order Fillers	300	330	30	10.0
Control and Valve Installers and Repairers, Except Mechanical Door	200	220	20	10.0
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	820	900	80	9.8
Electrical Engineers	210	230	20	9.5
Water and Wastewater Treatment Plant and System Operators	240	260	20	8.3
Industrial Machinery Mechanics	740	800	60	8.1
Home Appliance Repairers	520	560	40	7.7
First-Line Supervisors of Production and Operating Workers	410	440	30	7.3
Business Operations Specialists, All Other	420	450	30	7.1
Maintenance and Repair Workers, General	440	470	30	6.8
Plumbers, Pipefitters, and Steamfitters	320	340	20	6.3
Meter Readers, Utilities	880	930	50	5.7
First-Line Supervisors of Office and Administrative Support Workers	210	220	10	4.8
Power Plant Operators	430	450	20	4.7
Bill and Account Collectors	220	230	10	4.5
Power Distributors and Dispatchers	220	230	10	4.5
Customer Service Representatives	630	650	20	3.2

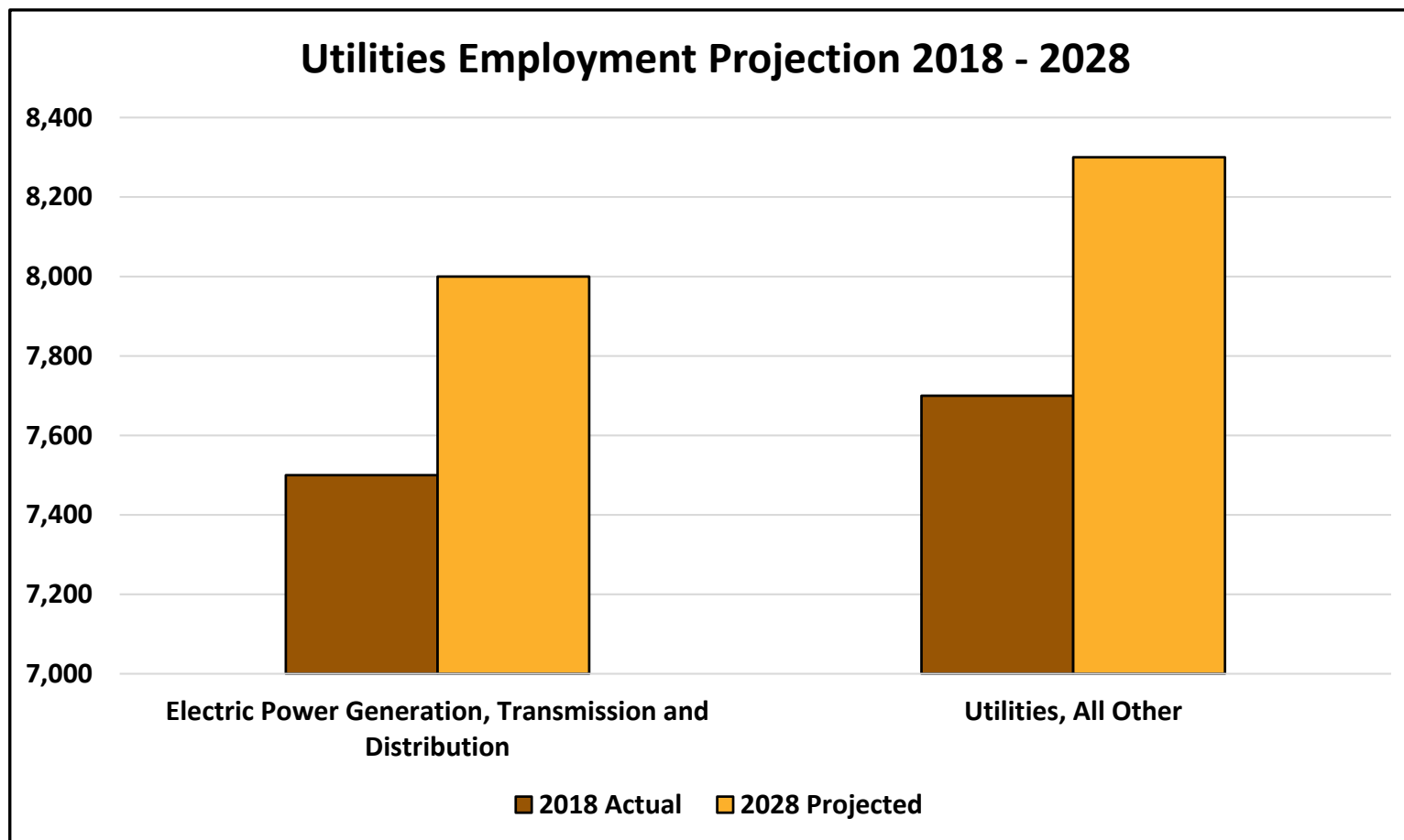


Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, 2018-2028
Industry and Occupational Employment Projections.
Prepared by: New Jersey Department of Labor and Workforce Development,
December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR

UTILITIES INDUSTRY EMPLOYMENT PROJECTION



Office of
Research and
Information

Source: NJ Department of Labor & Workforce Development, 2018-2028
Industry and Occupational Employment Projections.
Prepared by: New Jersey Department of Labor and Workforce Development,
December 2021

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR COPYRIGHT STATEMENT

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.



Office of
Research and
Information

NEW JERSEY CONSTRUCTION & UTILITIES INDUSTRY SECTOR CONTACT INFORMATION

New Jersey Department of Labor & Workforce Development

<http://lwd.dol.state.nj.us/>

P.O. Box 057

Trenton, NJ 08625-0057

Office of Research and Information

http://lwd.dol.state.nj.us/labor/lpa/LMI_index.html

Brandon Schoonover– Labor Market Analyst

Tel: (609)292-7281

Email: brandon.schoonover@dol.nj.gov



Office of
Research and
Information