Green Jobs for Georgia

Georgia DOL
Department of Labor
Mark Butler, Commissioner









Renewable

Sustainable

Renewable Energy

Energy Efficiency

- Pollusion Reduction & Removal
- Greenhouse Gas Reduction
- Recycling & Reuse

Natural Resources Conservation

- Environmental Compliance
- Education & Training
- Public Awareness

Workforce Statistics & Economic Research Division

Green Jobs for Georgia

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Thanks to the more than 7,800 business establishments that participated in the survey. Without their cooperation, this report would not have been possible.

This brochure contains analysis and graphical displays of the most significant findings from the Georgia Green Jobs Survey. For a complete list of green jobs and their employment for the state or any of its service delivery regions, please contact the Workforce Statistics & Economic Research Division of the Georgia Department of Labor at (404) 232-3875 or at workforce_info@dol.state.ga.us.

☛ **DOL Disclaimer Language**

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Introduction

Green jobs will play an important role in the economic future of Georgia. Not only do they have the potential to help revitalize the state's economy, but most of them cannot be outsourced to foreign countries. That is why the Georgia Department of Labor, with funding from the U.S. Department of Labor's Employment and Training Administration, recently conducted a survey to determine current levels of green employment in the state. The goal of the survey was to provide answers to the following questions:

- How many green jobs are there?
- In which geographical areas are they located?
- What industries and occupations are associated with them?
- What education and/or training are required?
- What wages do they pay?
- What is their potential for future job growth?

This publication—*Green Jobs for Georgia*—addresses these issues and many others. The information and analysis it provides will inform the economic development, education, and workforce development communities in Georgia of the availability of green jobs, where they are located, areas of potential growth, and ways that jobseekers can prepare for these jobs.

Broadly defined, a green job is one that produces goods or provides services that benefit the environment or conserve natural resources. The work can be found in the following five core green economic clusters: renewable energy; increased energy efficiency; pollution reduction & removal, greenhouse gas reduction, and recycling; natural resources conservation; and environmental compliance, education & training, and public awareness.

Graphs depicting green jobs are organized into five key areas in this report. The first area focuses on aggregate green economic clusters, industries, and occupations; the next one presents the ten occupations with the most green jobs by the different types of job preparation required. Job preparation levels range from jobs that do not require any formal education beyond high school to positions that require advanced degrees and extensive job experience. The third section lists the top ten green jobs by the kinds of tasks that workers typically perform, which can range from labor-intensive blue collar jobs to highly professional white collar administrative jobs. Section four displays the highest-paying green jobs in construction; installation, maintenance, & repair; and production occupations, the three blue collar occupational groups with the most green jobs. And finally, the last section presents the survey's findings from a regional perspective.

In an effort to provide as much information as possible, average hourly wages from the 2011 edition of the Georgia Wage Survey are listed for most occupations. In a few instances where employment levels or wages cannot be disclosed because of confidentiality guidelines, the term "N/A" (not available) is listed on the graph.

In viewing these graphs, it is important to remember that the employment totals presented represent only the "green" component of these occupations—i.e. the jobs whose workers perform tasks related to clean energy, improved energy efficiency or a sustainable environment.

Survey Coverage and Scope

A sample of 10,000 firms was selected for the Green Jobs Survey from the fourth quarter, 2009, Enhanced Quarterly Unemployment Insurance file of the Georgia Department of Labor's Quarterly Census of Employment and Wages Program. Establishments participating came from 423 6-digit NAICS-based industries (classified according the North American Industry Classification System), more than 35 percent of the almost 1,200 detailed industries in Georgia. These industries were chosen because preliminary research suggested they were the most likely to have significant green jobs.

Businesses of all size classes from all regions of the state were selected to participate, and all firms with at least 250 employees in the sampled industries were included. When combined, establishments from 13 of the 20 major industry sectors were surveyed, including Agriculture; Utilities; Construction; Manufacturing; Transportation & Warehousing; Information; Professional, Scientific, & Technical Services; Management of Companies & Enterprises; Administrative & Support Services, Waste Management, & Remediation Services; Education; Arts, Entertainment, & Recreation; Other Services; and Government.

The official definition of a green job used in the survey is as follows: a green job encompasses work in the economic activity related to reducing the use of fossil fuels, decreasing pollution and greenhouse gas emissions, increasing energy efficiency, recycling materials, and developing and adopting renewable sources of energy. In the survey, respondents were asked for the number of workers whose primary job function was to produce products or provide services in any of the following five core green areas:

- Renewable Energy – activities related to developing and using renewable energy sources such as solar, wind, geothermal, and biomass
- Energy Efficiency – activities related to increasing energy efficiency
- Pollution Reduction & Removal, Greenhouse Gas Reduction, & Recycling & Reuse – activities related to reducing or eliminating the creation or release of pollutants or hazardous waste, reducing greenhouse gas emissions, reducing or eliminating the creation of waste materials, or collecting, reusing, remanufacturing, recycling, or composting waste materials or wastewater
- Natural Resources Conservation – activities related to reducing the environmental impact of agricultural production and improving natural resources conservation
- Environmental Compliance, Education & Training, & Public Awareness – activities related to enforcing environmental regulations, providing education & training related to green technologies & practices, & increasing public awareness of environmental issues

Survey participants were also asked whether any of their green jobs required any green-related training, or special licenses and/or certifications. If special licenses or certifications were required, respondents were asked to name the types. In addition, respondents were asked to provide the number of vacancies in any of their green jobs, as well as how many employees they expected to have in these positions in one year.

The survey ran from November 2010 through May 2011. With a 78 percent statewide response rate, survey results indicate that there are almost 40,000 green jobs in Georgia, roughly one percent of the state's total employment. These jobs are located in all 12 service delivery regions and in 224 different occupations. Details of the survey follow on the pages of this publication.

State Survey Highlights

- There are approximately 40,000 green jobs in Georgia, or roughly one percent of total statewide employment.
- Green jobs are found in 13 of the 20 major industry sectors and in 224 distinct occupations.
- Green jobs involved with increasing energy efficiency form the largest group, having more than 10,000 in employment, or 26.5 percent share of green jobs.
- The construction industry sector contains the most, employing workers in almost 9,000 green jobs, which is more than one of every five green jobs, followed by the manufacturing sector, with employment in more than 7,000 green jobs, almost 18 percent of the total.
- Almost thirteen percent of green jobs, or nearly 5,000, require a license, certification, or special skill as a condition of employment, with the Leadership in Energy and Environmental Design (LEED) being the most common.
- The majority—61.5 percent—of green jobs require no formal education beyond high school.
- The largest amount of green jobs –almost 9,400—as well as the largest number of distinct occupations is in green jobs that require moderate-term on-the-job training of one month to one year.
- Manual labor-intensive blue collar jobs comprise the largest portion of green jobs, having almost 60 percent of all green jobs in the state.
- The majority of the top 20 green jobs in employment are in blue collar occupations, consistent with the fact that the majority of green jobs in Georgia exist in this group.
- Heating & air conditioning mechanics and installers lead the list with almost 2,500 green jobs.
- Green jobs are expected to grow faster than all jobs—3.5 percent per year over the next year compared to 1.2 percent.
- The professional and related occupations group, dominated by architects, engineers, and scientists, has the largest number of distinct occupations, with 71 containing green employment.
- In general, service occupations are not as significant to the green economy as blue collar and white collar jobs. In Georgia, there are only 11 service occupations with green jobs, while blue collar jobs are found in 95 occupations and white collar jobs in 118.
- With 27 distinct occupations, the construction and extraction occupations group has the largest amount of employment in the blue collar component of green jobs; several of them offer apprenticeships as the usual route to job entry.
- At $22.75 per hour in 2011, the overall average wage for green jobs exceeds the $20.56 average for all jobs by 10.7 percent.
- At an average of $20.30 per hour, green jobs in installation, maintenance, & repair occupations have the highest wages of all blue collar green jobs in Georgia.

Regional Survey Highlights

- With more than 21,000 employed, Service Delivery Region #3 (Metro Atlanta) has the most green jobs, followed by Region #5 (NE Georgia) with 2,950, and Region #1 (NW Georgia) with over 2,300.

- The Metro Atlanta Region also has the most diversified green economy. Its green jobs are found in all 13 of the industry sectors having green jobs in Georgia. Other leading regions for green job diversity include Region #6 (Middle GA) and Region #12 (Coastal GA), each having green jobs in nine industry sectors.

- The construction industry has the most green jobs in half of the service delivery regions, followed by manufacturing, which has the most green jobs in three regions.

- From an occupational perspective, the three regions with the most diversity in green jobs are Region #3 (Metro Atlanta), Region #10 (SW Georgia), and Region #1 (NW Georgia), with green jobs in 179, 73, and 70 occupations, respectively.

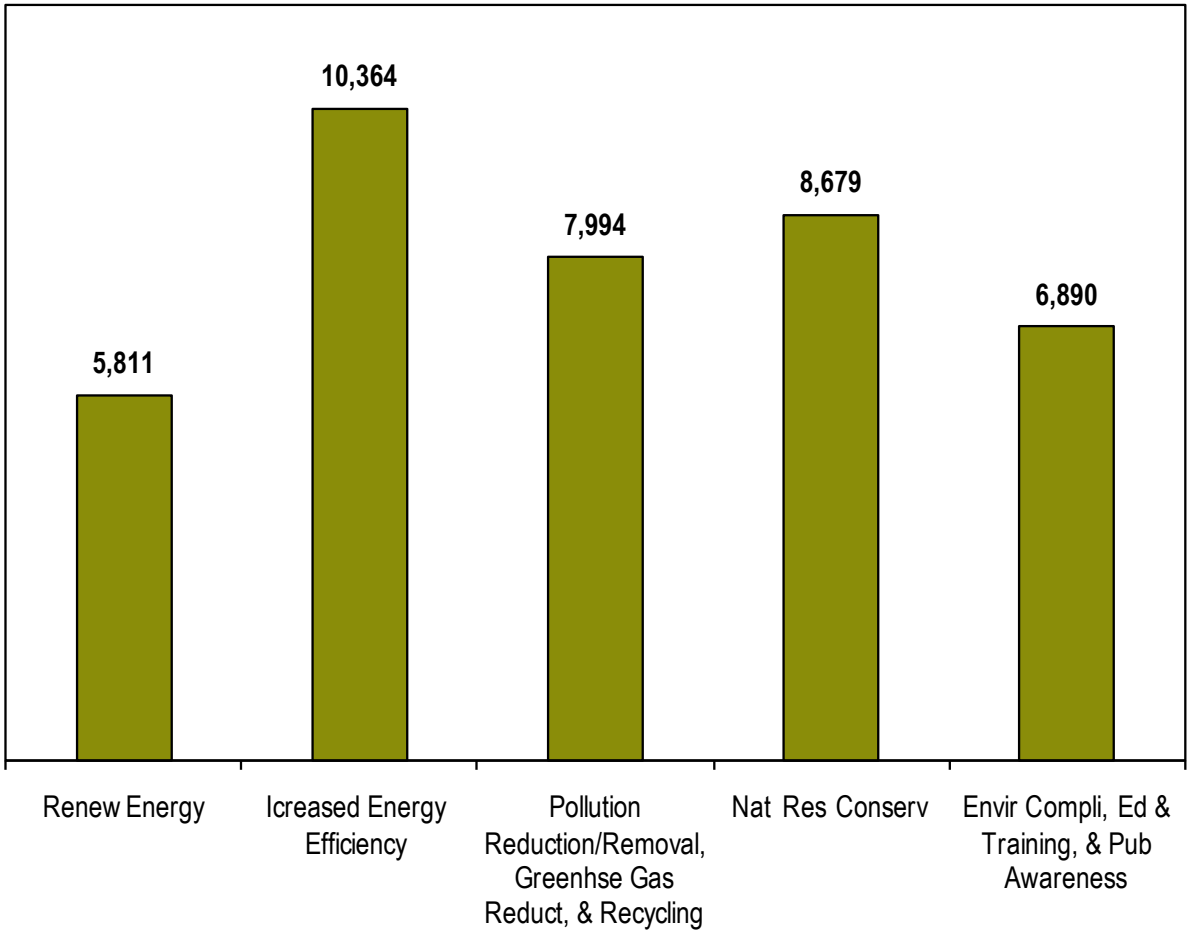
- The top ranked regions for highest average pay in green jobs are led by the Metro Atlanta Region, with average wages of $24.42 per hour. It is followed by Region #5 (NE Georgia) at $23.96 and Region #12 (Coastal GA) at $21.60 per hour.

- Service Delivery Region #5 (NE Georgia) has the largest difference in wages between green jobs and all jobs, where green jobs' wages exceed average overall wages by 31.6 percent. Average wages in green jobs exceed those for all jobs in Region 11 (Southern GA) by 23.2 percent, and those in Region 8 (River Valley) by 20.5 percent, the second and third ranked, respectively.

- They are found in all five green economic clusters as defined by the U.S. Department of Labor's Employment and Training Administration.
- All five groups have significant employment, with each having more than 5,000 green jobs.
- Green jobs involved with increasing energy efficiency form the largest group, having more than 10,000 in employment.
- Green jobs associated with conserving natural resources ranks second in employment. Their total of almost 8,700 green jobs equates to more than one in every five green jobs in the state.

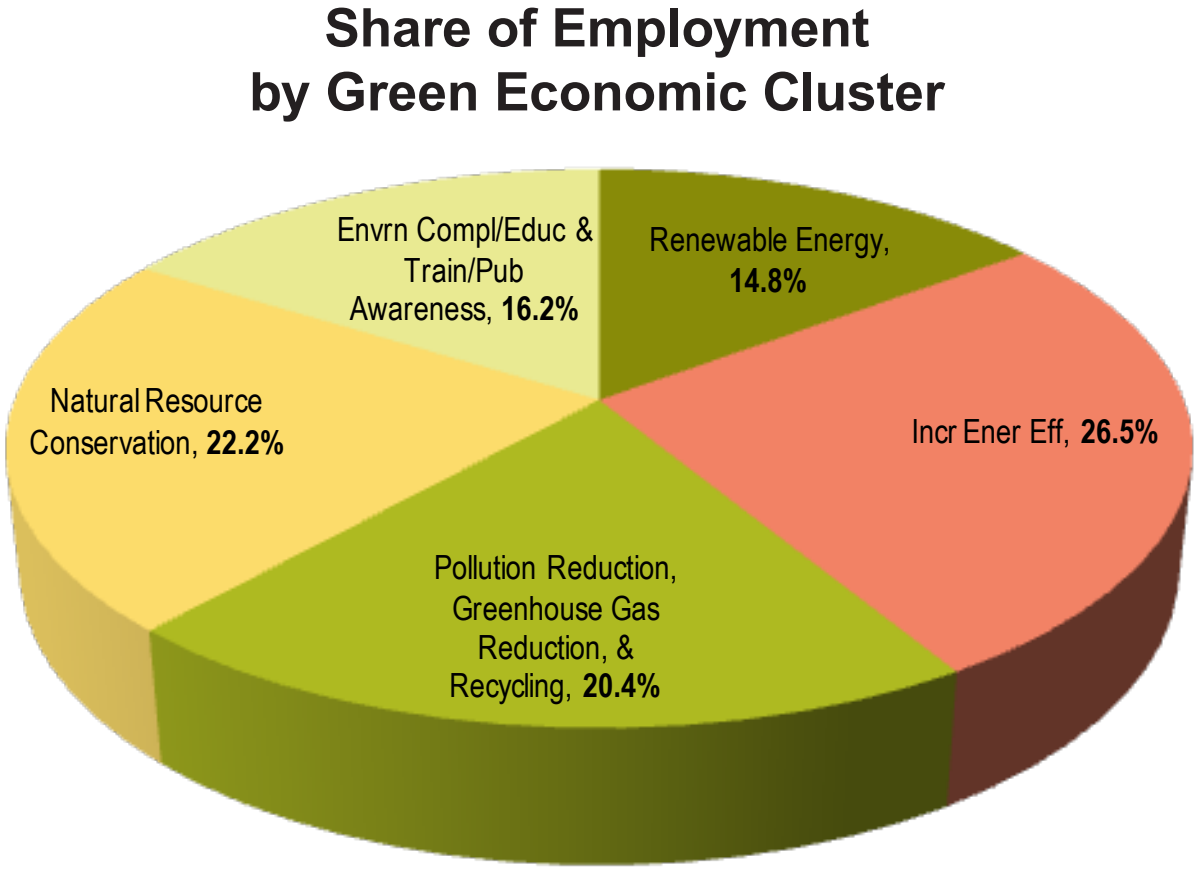
There are approximately 40,000 green jobs in Georgia, or roughly one percent of total statewide employment.

Employment by Green Economic Cluster



- The 26.5 percent share for green jobs associated with increasing energy efficiency is the largest.
- Green jobs associated with renewable energy sources is the smallest group, but their 15 percent share is still very significant.

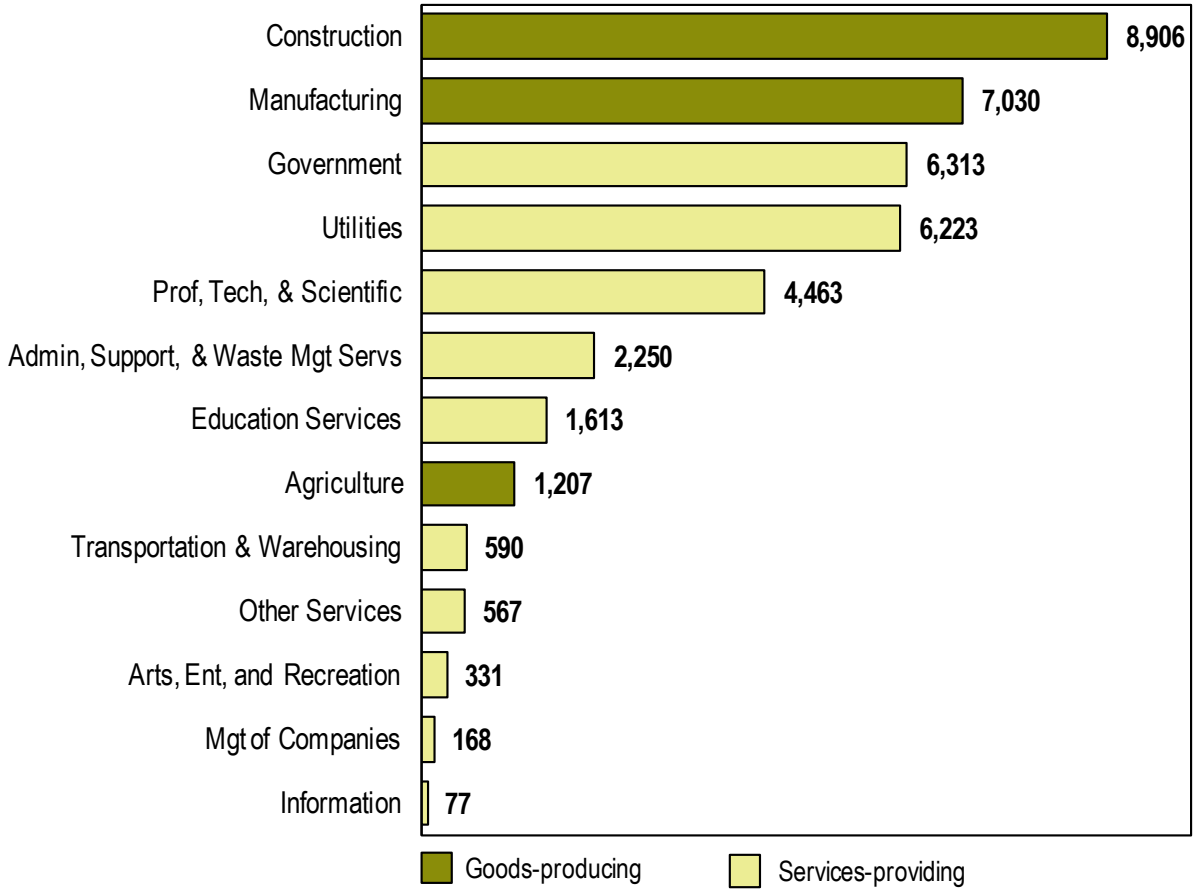
Green jobs are distributed fairly evenly throughout all five green clusters, with no green cluster dominating the state.



- The construction sector contains the most, employing workers in almost 9,000 green jobs, which is more than one of every five green jobs.
- The manufacturing sector follows with employment in more than 7,000 green jobs, almost 18 percent of the total.
- Significant numbers of green jobs also exist in the government and utilities sectors, with each employing almost 16 percent of workers in these jobs.
- Both of the two leading industry sectors for green job employment in Georgia are from the goods-producing sectors.

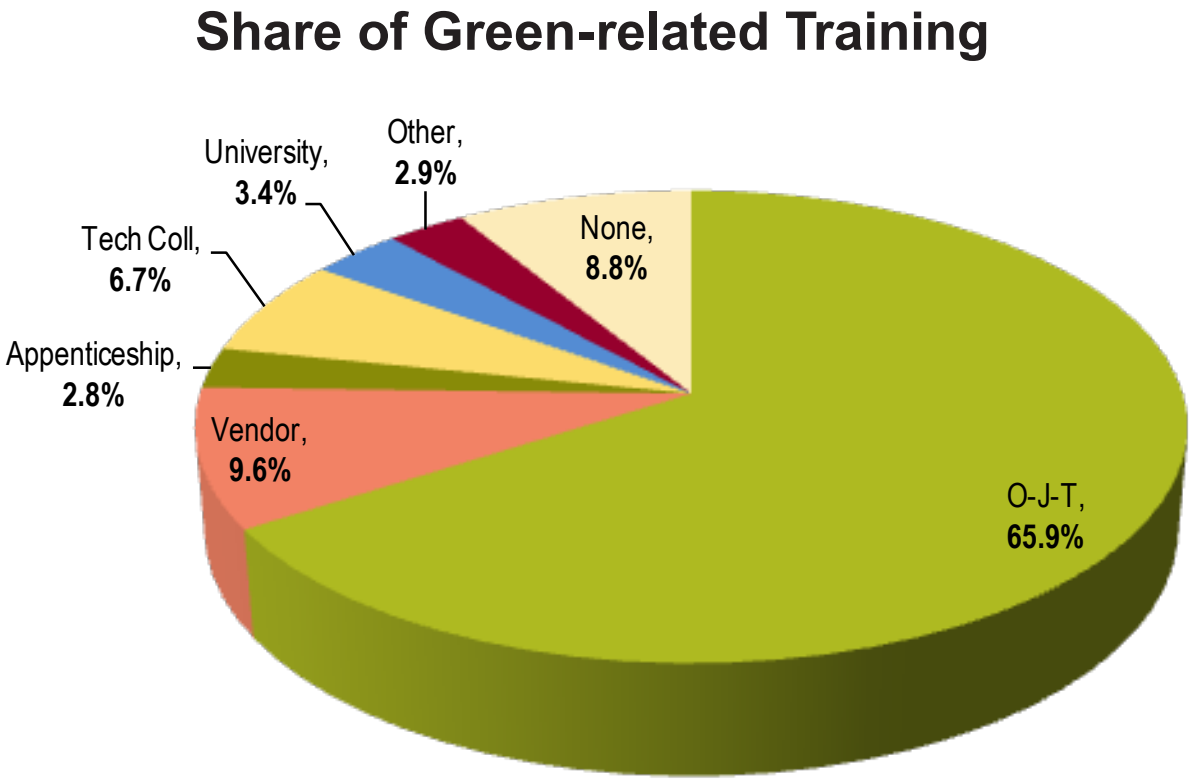
Green jobs exist in 13 industry sectors, more than half of all industry sectors in Georgia.

Total Green Jobs by Industry Sector



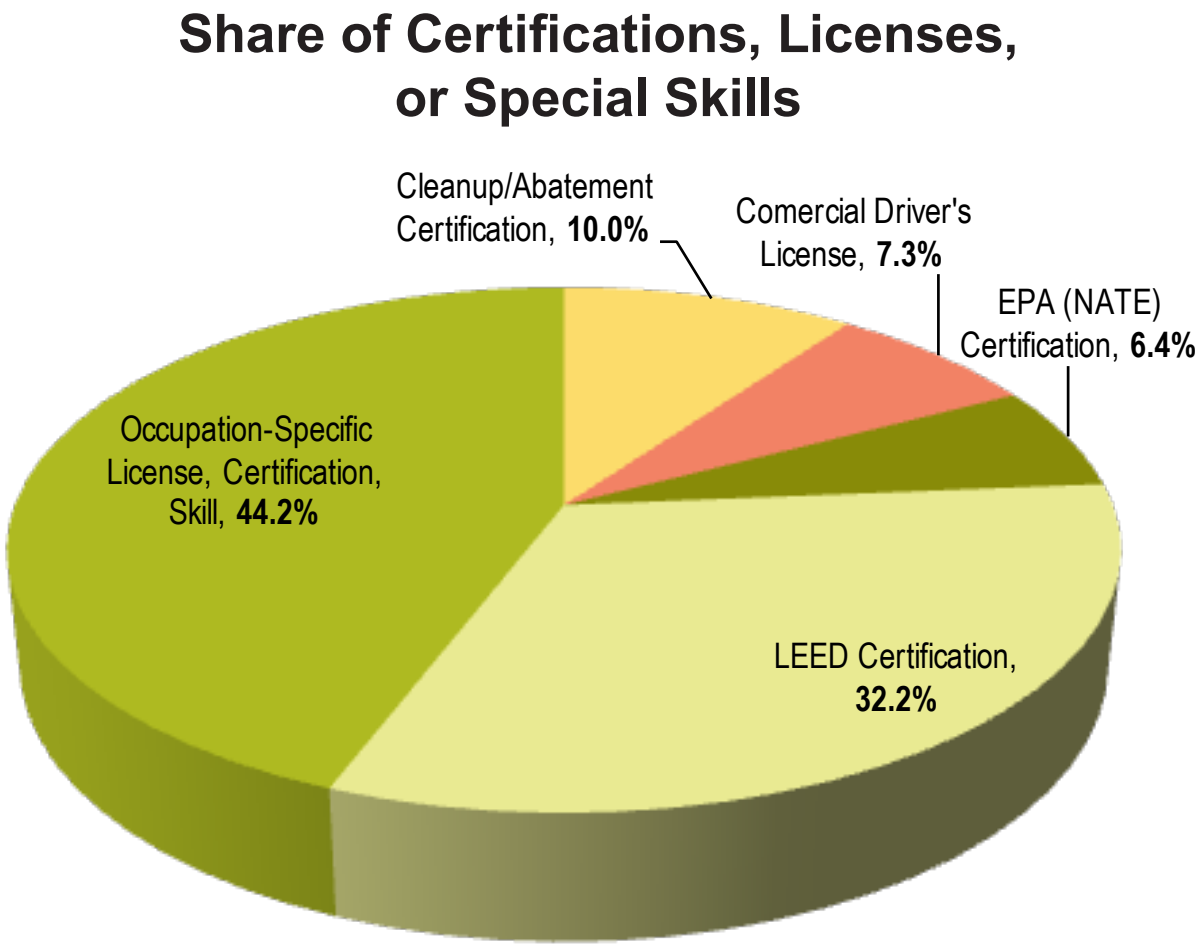
- Almost two out of every three green jobs require on-the-job training provided by the employer.
- Nearly ten percent require some sort of vendor training.
- Close to ten percent do not require any green-related training as a condition of employment.

From the results of the survey, the vast majority of green jobs in Georgia require an assortment of green-related training.



- Almost half require a certification or license specific to an individual occupation like plumber, electrician, or welder.
- Leadership in Energy and Environmental Design (LEED) certification is required in such occupations as architects, construction and building inspectors, and HVAC mechanics and installers.
- Asbestos certification is required for construction laborers; floor, ceiling and wall insulation workers; and hazardous materials removal workers.
- Wastewater treatment certification is required for environmental science and protection technicians, water and wastewater treatment plant and system operators, and septic tank servicers.
- Commercial driver's licenses are required for forest and conservation technicians, heavy and tractor-trailer truck drivers, and refuse and recyclable material collectors.
- The EPA's North American Technician Excellence (NATE) certification is required for HVAC mechanics and installers; solar photovoltaic installers; and technical and scientific sales reps.

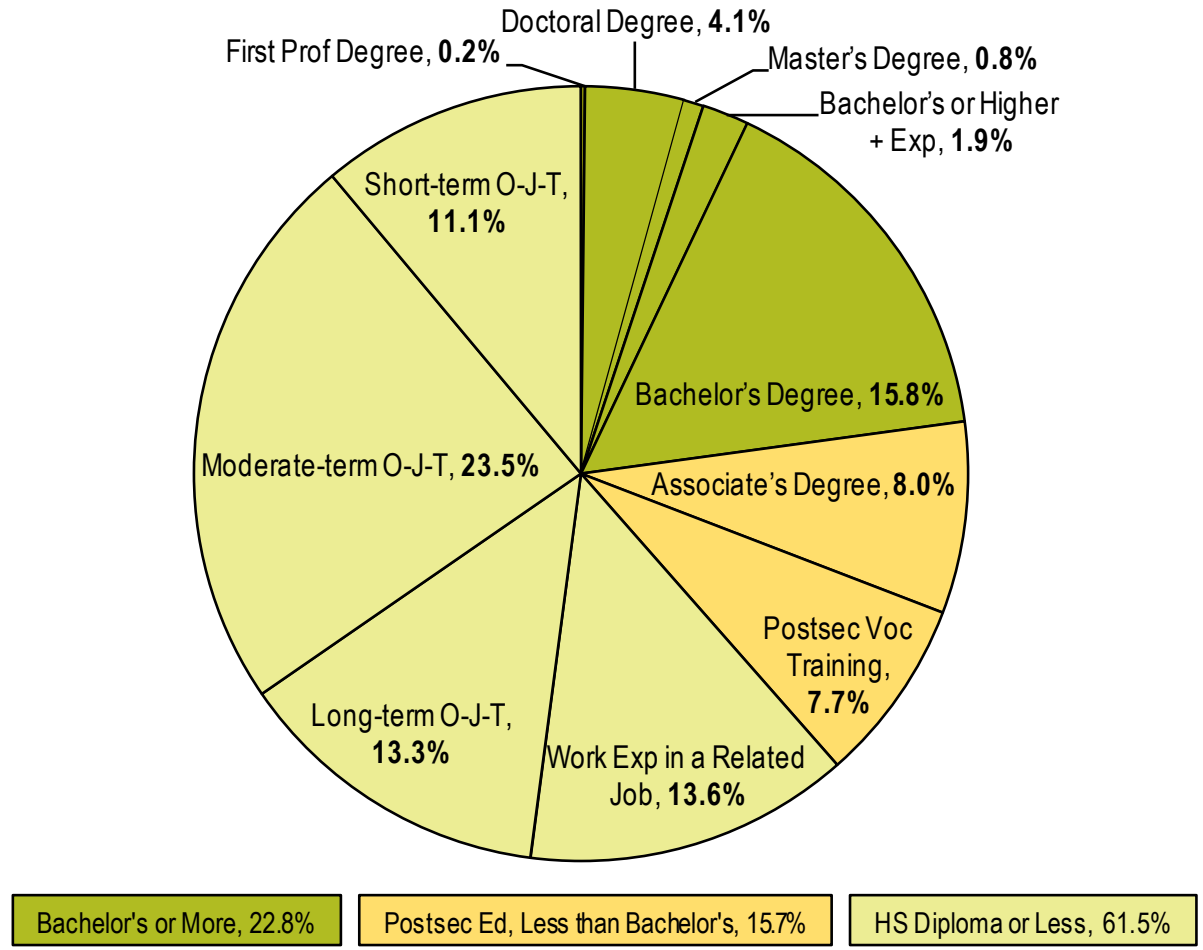
Almost 5,000 green jobs require a license, certification, or special skill as a condition of employment. A sampling of the different types is presented to the left.



- The majority, or 61.5 percent, of green jobs require no formal education beyond high school.
- The second largest share, or 22.8 percent, requires a four-year college degree or an advanced degree.
- On an individual job preparation level basis, green jobs requiring moderate-term on-the-job training of one month to one year have the largest share, followed by green jobs requiring a Bachelor's degree.

Green jobs in Georgia have employment in all 11 job preparation levels, components of the three education and training categories usually required for employment.

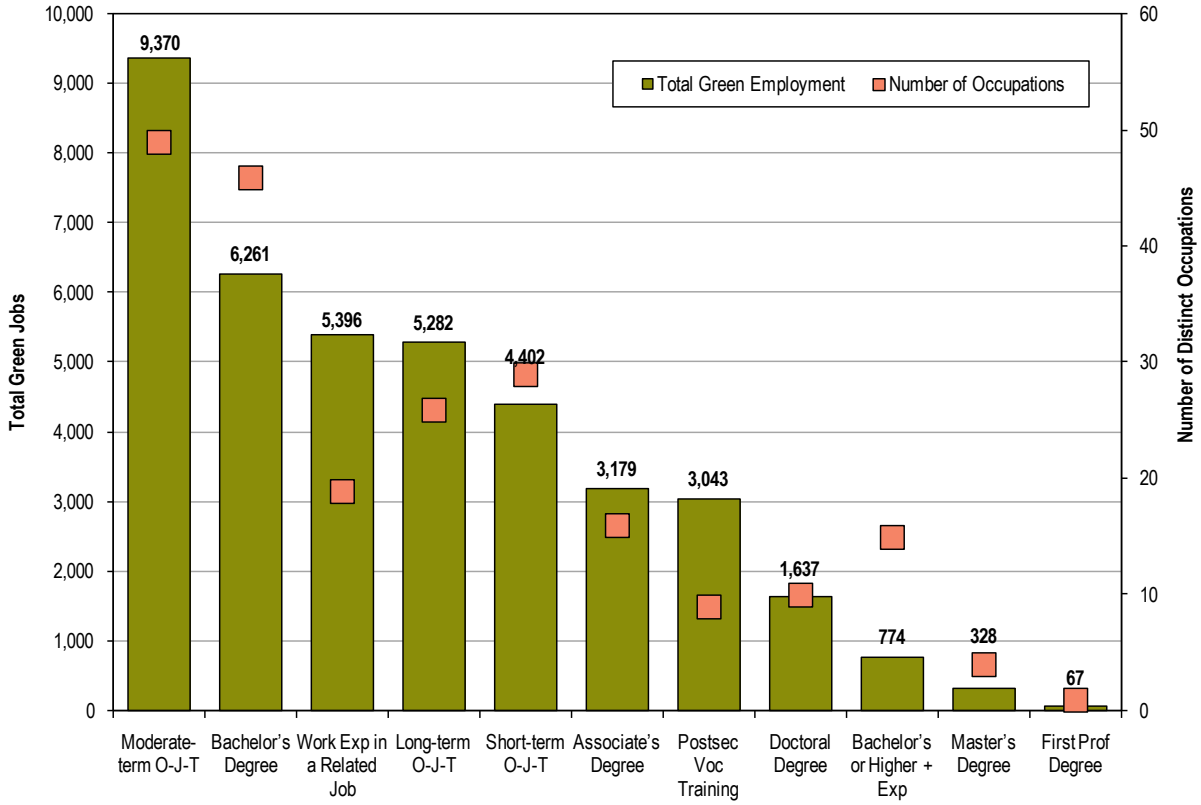
Share of Employment by Job Prep Level



- The largest amount of green jobs –almost 9,400—as well as the largest number of distinct occupations is in green jobs that require moderate-term on-the-job training.
- With almost 6,300 in employment in 46 distinct occupations, green jobs requiring a bachelor's degree rank second in both categories.
- The third largest amount—almost 5,400—requires work experience in a related job. However, their 19 occupations rank fifth in the number of distinct occupations. Occupations requiring both short-term and long-term on-the-job training each have more distinct occupations than occupations requiring work experience in a related job.

The almost 40,000 green jobs in Georgia can be found in 224 distinct occupations.

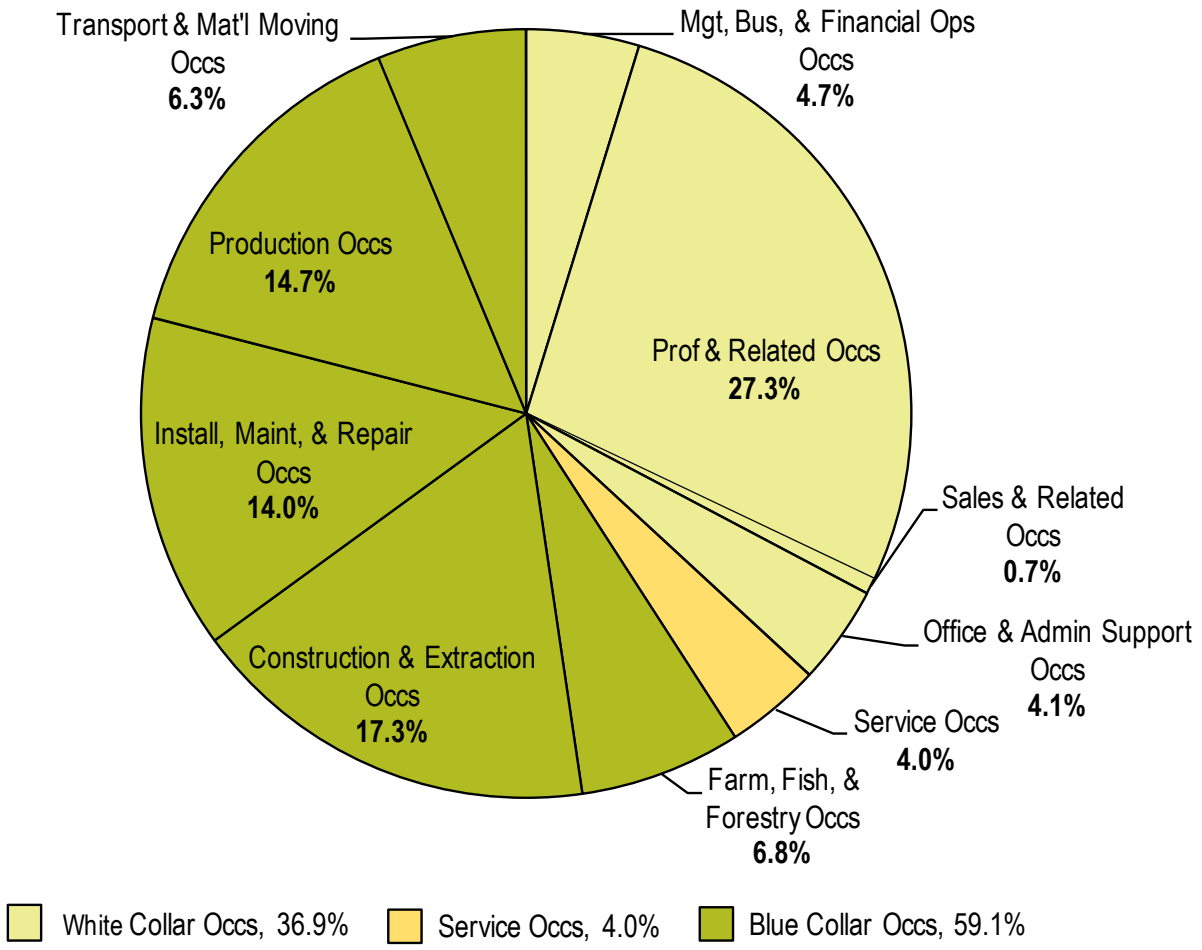
Total Green Jobs & Number of Distinct Occupations by Job Prep Level



- Manual labor-intensive blue collar jobs comprise the largest portion of green jobs, having almost 60 percent of all green jobs in the state.
- White collar green jobs of the professional, office, or administrative nature also have significant employment. More than one in every three green jobs belongs to this group.
- Although blue collar jobs make up the largest percentage of green jobs, the largest individual share at 27.3 percent—professional and related jobs—belongs to the white collar group.

An alternative way of measuring green jobs is by the type of work performed, i.e. white collar, blue collar, or service.

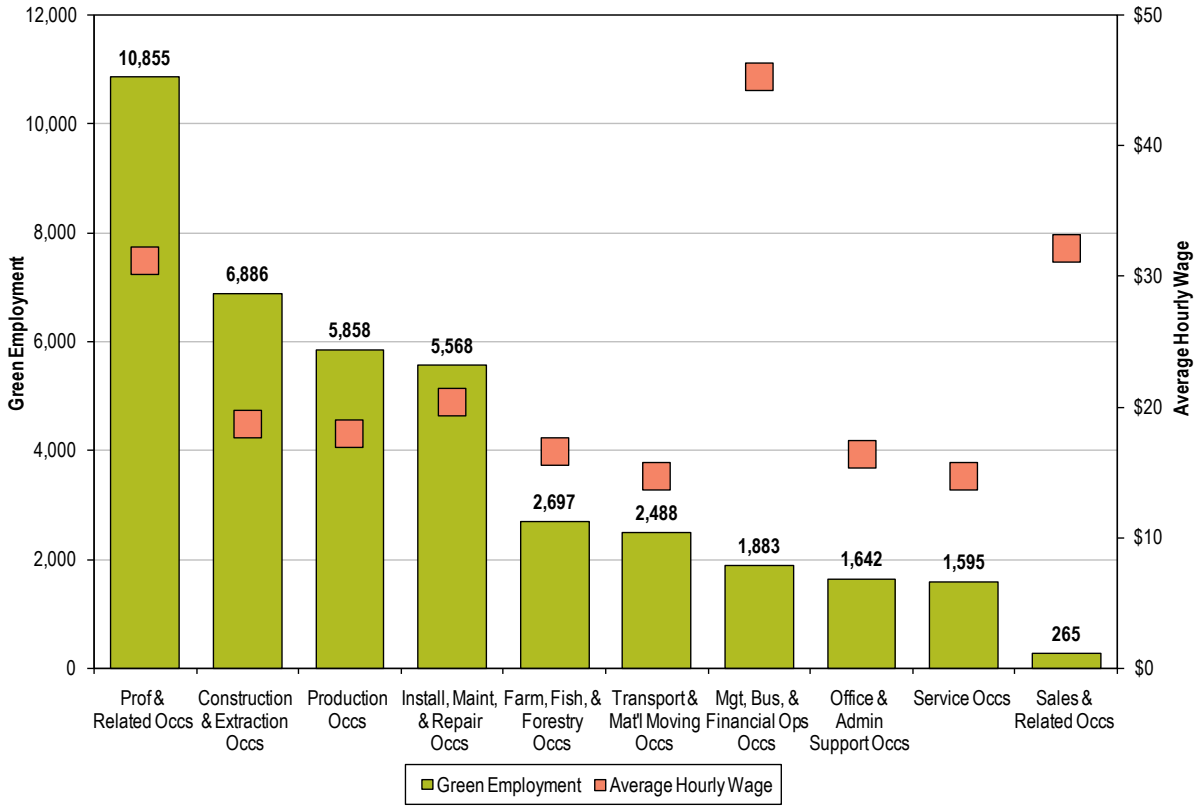
Share of Green Employment by Occupational Group



- With the exception of the professional and related occupational group, with almost 10,900 in green jobs, the next five largest occupational groups all belong to the blue collar category.
- As is true with all occupations, the three occupation groups with the highest average wages—management, business, & financial; sales & related; and professional & related—are all from the white collar category.
- However, high average wages do not always correspond to large levels of green employment. As the chart shows, the two occupational groups with the highest average pay are among the occupational groups with the smallest number of green jobs.

Green jobs can be found in every line of work— everything from blue collar jobs that do not require any formal education beyond high school to high-level professional positions that require advanced degrees and extensive experience.

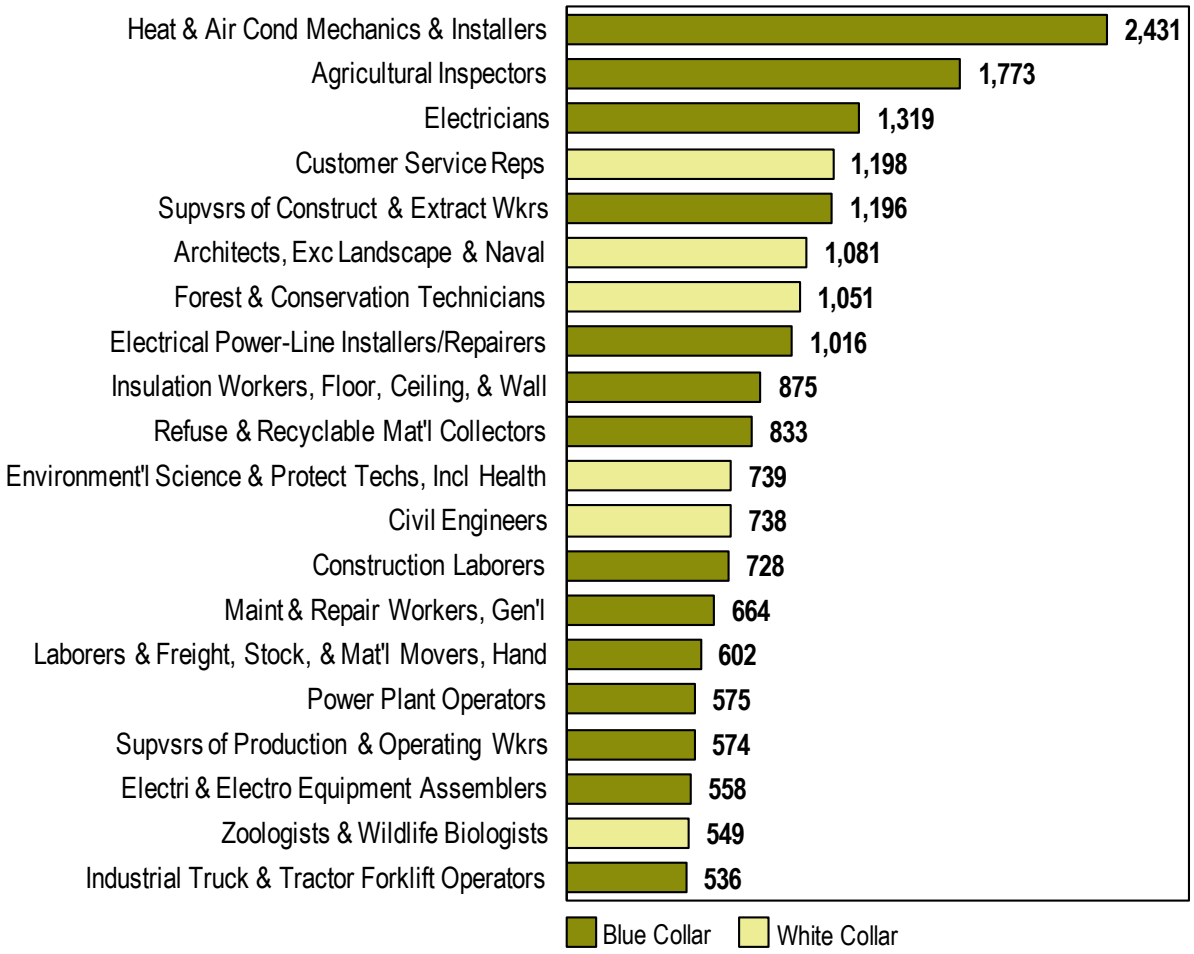
Total Green Employment & Average Wages by Occupation Group



- The majority of these jobs are in blue collar occupations, consistent with the fact that the majority of green jobs in Georgia exist in this group.
- Heating & air conditioning mechanics and installers lead the list with almost 2,500 green jobs, which is unexpected, given the work that has been created by tax incentives for replacing outdated furnaces and air conditioning units with more energy efficient models.
- The largest number of occupations comes from the construction and extraction group, as electricians, construction supervisors, insulation workers, and construction laborers all belong to this category.

The top twenty green jobs exist in a wide variety of blue collar and white collar occupations.

Top 20 Green Jobs in Employment



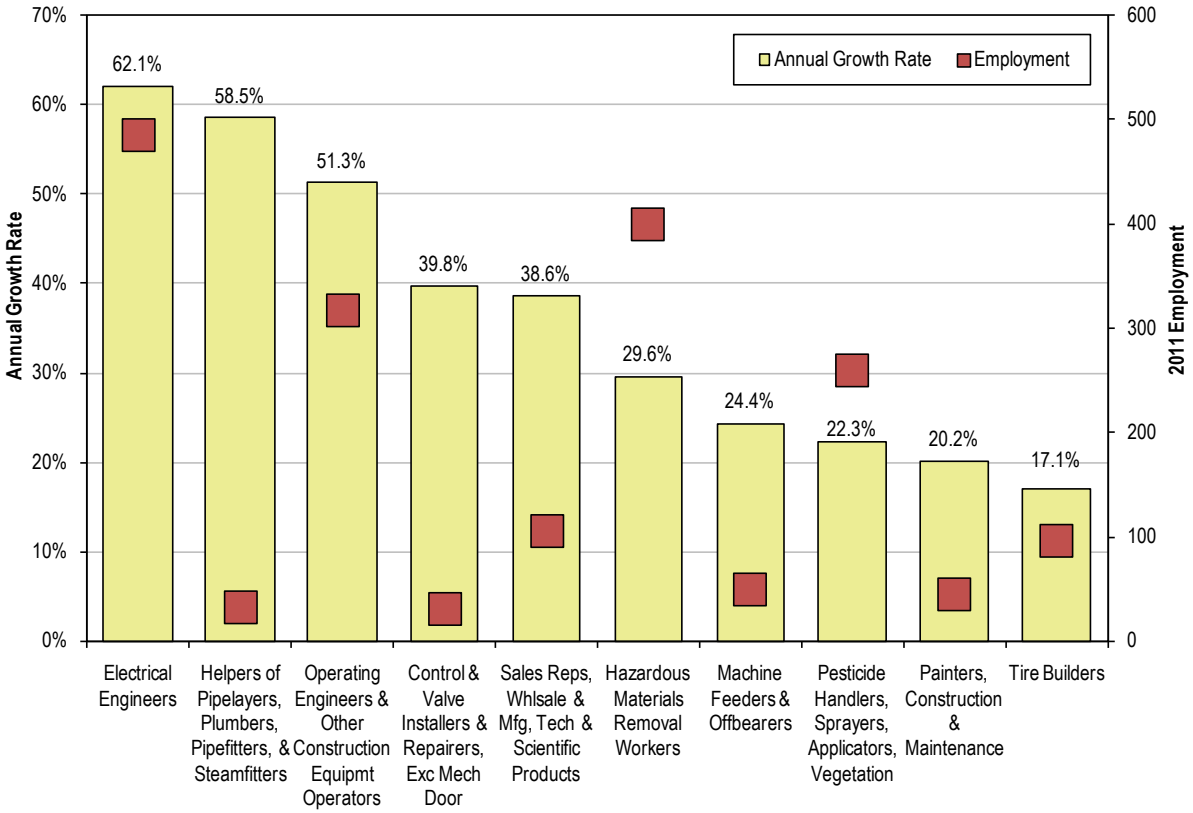
- Seven of the ten are in blue collar jobs, with four—plumbers' helpers, operating engineers, hazardous material removal workers, and construction & maintenance painters—being in construction.

- Electrical engineers, the fastest growing, are expected to see their green jobs grow by 62.1% over the next year, which would increase their employment from 485 in 2011 to 786 in 2012.

- Although these are the fastest growing green jobs, several have relatively small employment, e.g. plumbers' helpers, control & valve installers, machine feeders & offbearers, and construction & maintenance painters each currently have less than 100 green jobs.

Survey respondents reported they expect green jobs to grow by 3.5 percent over the next year, which is more than triple the overall average growth rate for all jobs in Georgia. The ten expected to grow the fastest comprise this list.

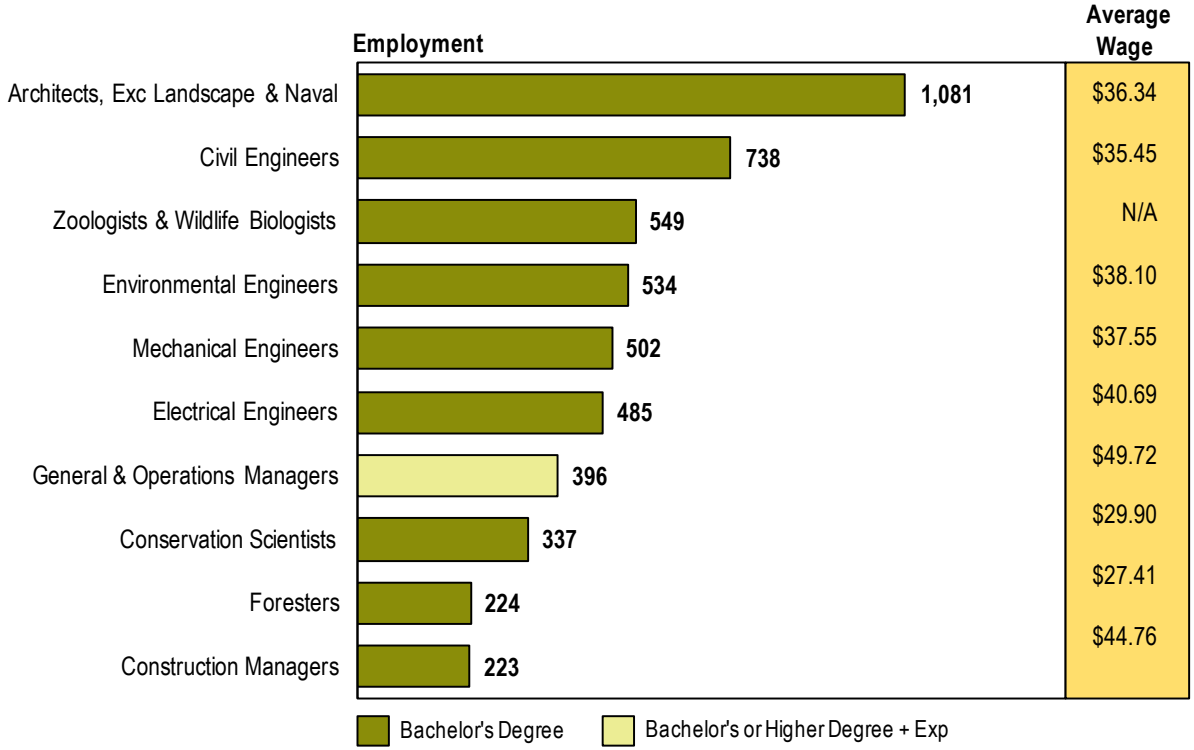
Fastest Growing Green Jobs & Their Employment



- All ten green jobs belong to the professional and related occupations group of white collar occupations.
- Half of them are architectural or engineering-related.
- The top three also made the overall list of Top 20 Green Jobs, and one—electrical engineers—is among the ten fastest-growing.
- All except one of them have higher wages than the average for their respective job preparation levels, and all of their wages are higher than the overall statewide average.

More than half of the employment—55.4 percent—in the 76 occupations in this group can be found in these ten occupations.

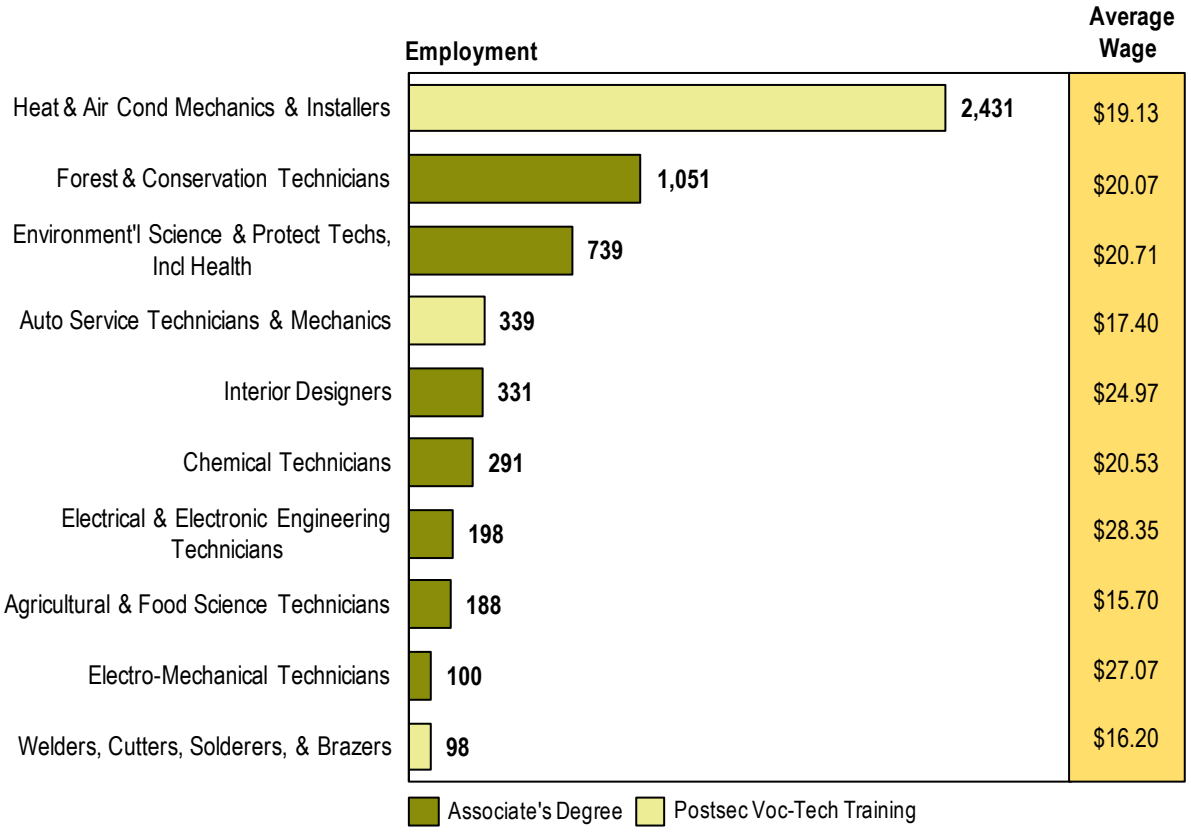
Bachelor's Degree or More



- Seven of the ten are white collar occupations from the professional and related group.
- Georgia's number one ranked green job—HVAC mechanics and installers—is in this group, and the second and third-ranked occupations also made the overall list of 20 largest green jobs.
- Seven of them have average wages near or above the statewide average for all jobs of $20.56 per hour.

There are 25 occupations in this category. The ten on this list comprise the vast majority—almost 93 percent—of their employment.

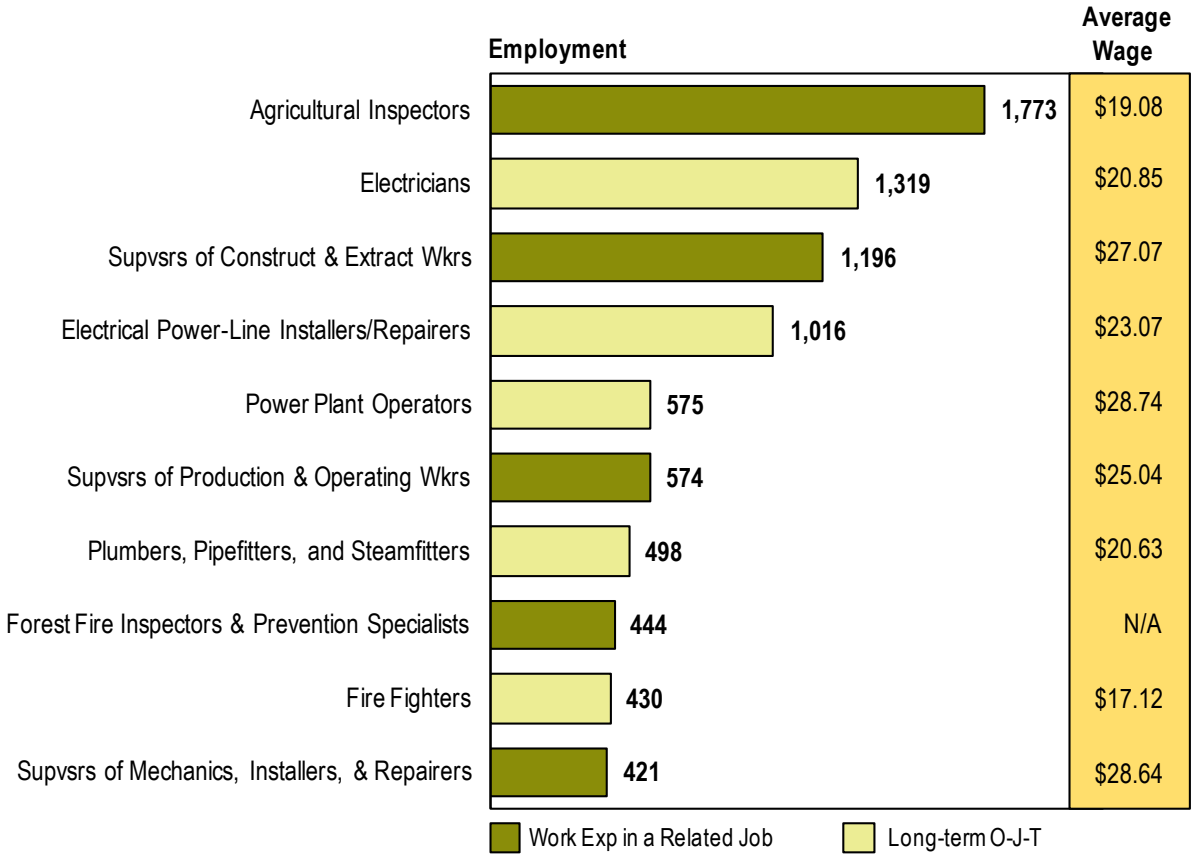
Postsecondary Education but Less Than a Bachelor's Degree



- Eight of the ten are blue collar and the other two are from the service occupations group.
- Six of them also made the list of top 20 for all categories.
- Seven of the ten have average wages higher than the statewide overall average.

More than 77 percent of the employment in the 45 occupations in this group exists in these ten green occupations.

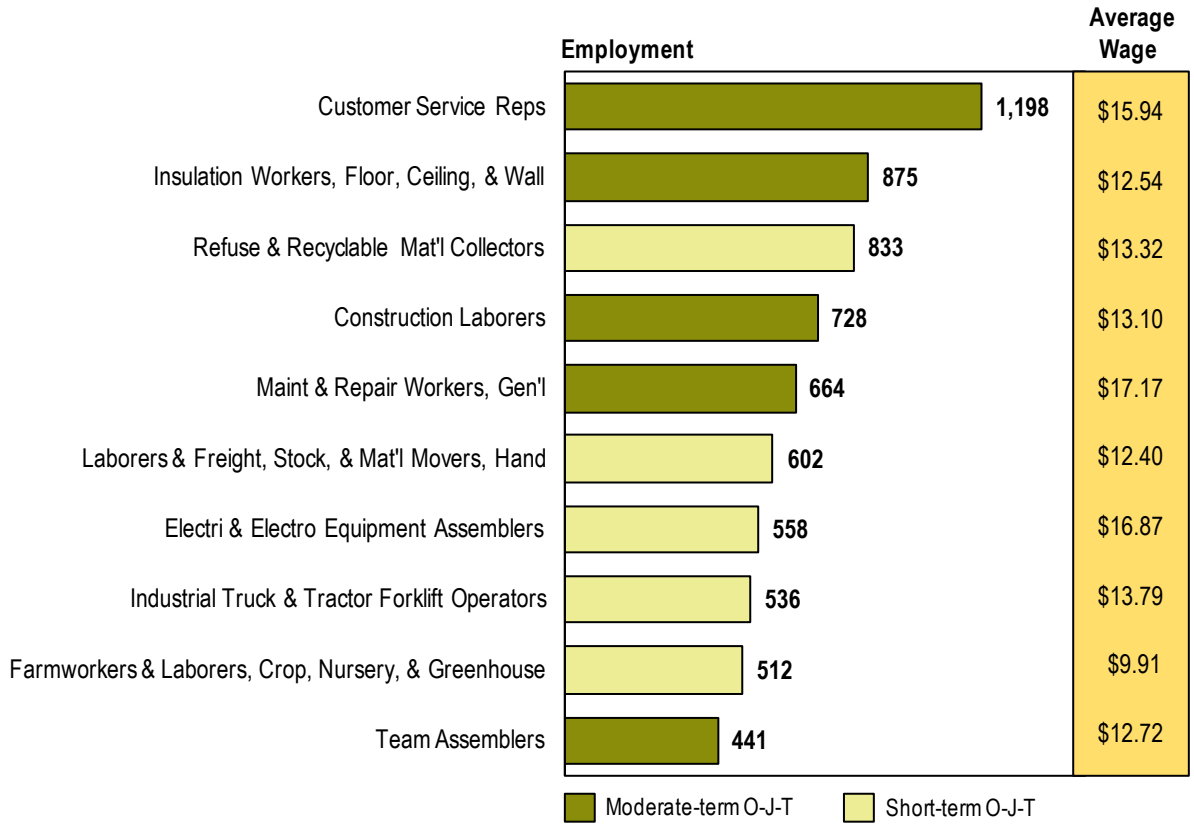
Work Experience in a Related Job or Long-term on-the-job Training



- Eight of them also made the overall list of top 20 green jobs.
- All of these occupations belong to the blue collar category, with the exception of customer service reps, a member of the white collar group.
- Although none of these have average wages above the statewide average of $20.56 for all jobs, several of them pay more than average for their level of job preparation, $15.50 for moderate-term on-the-job training jobs and $11.54 for short-term on-the-job training jobs.

These ten occupations have more than half of green employment in the 78 occupations in this group.

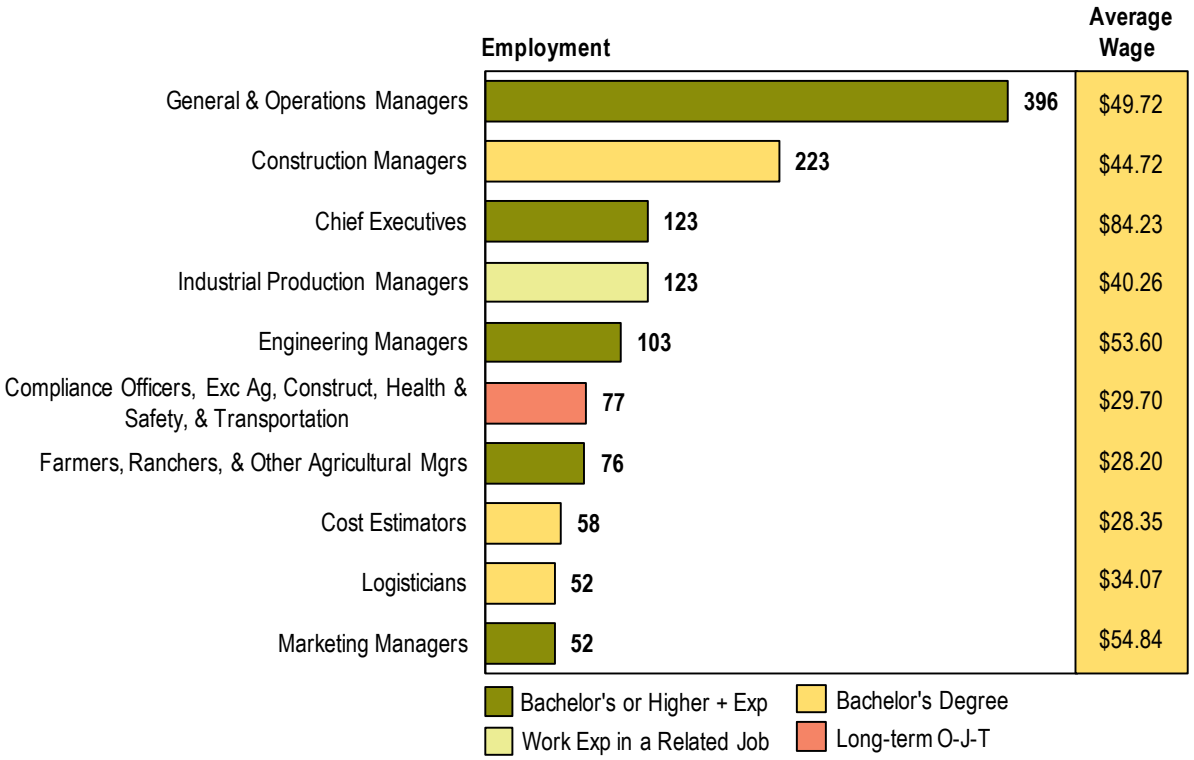
Moderate-term on-the-job Training or Short-term on-the-job Training



- The majority—70 out of ten—of these white collar jobs are managerial occupations.
- Eight of them require at least a bachelor's degree.
- When compared with all occupations, each of them pays above-average wages.

The ten occupations presented here contain almost 70 percent of the green employment in the 30 occupations in this group.

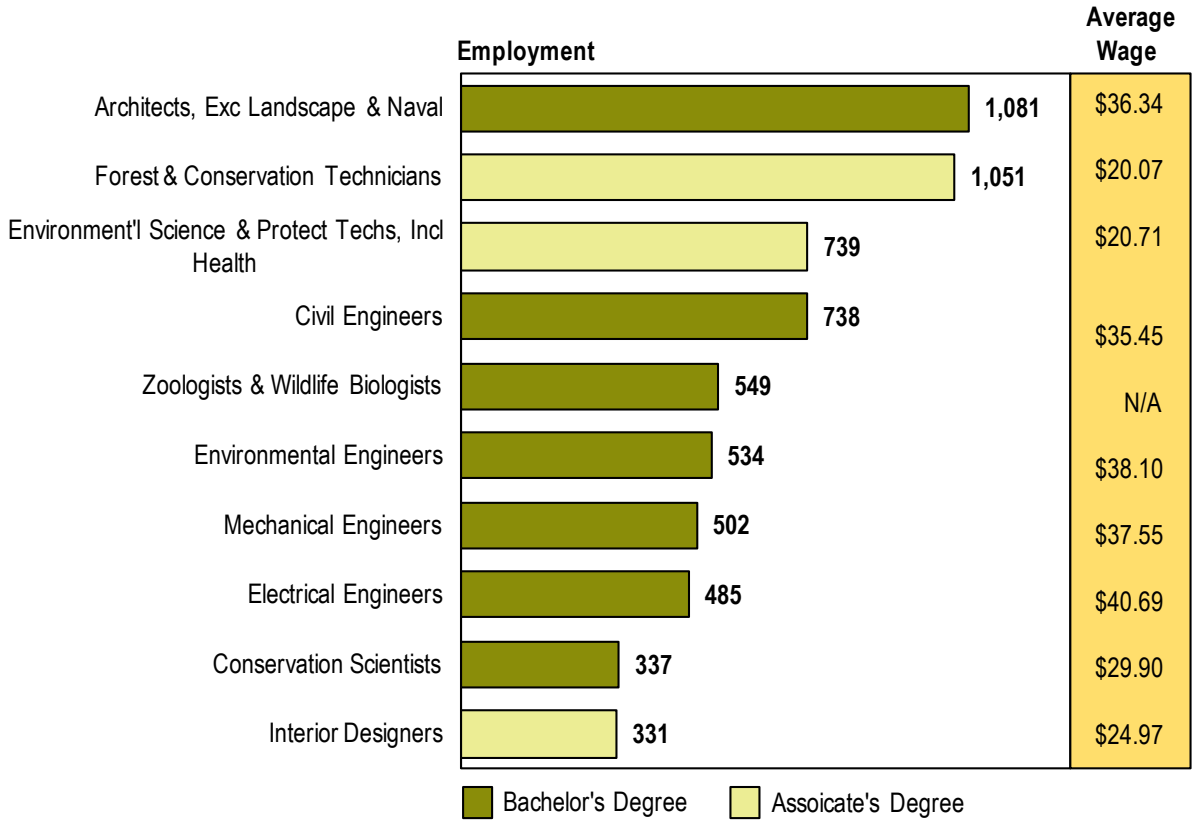
Management, Business & Financial Operations Occupations



- The top five are also found on the overall top 20 listing.
- The list is dominated by architects, engineers, and scientists, which highlight the prominent role that green jobs in these occupations play in the state's economy.
- All of these jobs have above-average wages when compared to the state for all occupations combined.

The professional and related group has the largest number of distinct occupations, with 71 containing green employment. Of those, the ten on this list have almost 60 percent of this group's green employment.

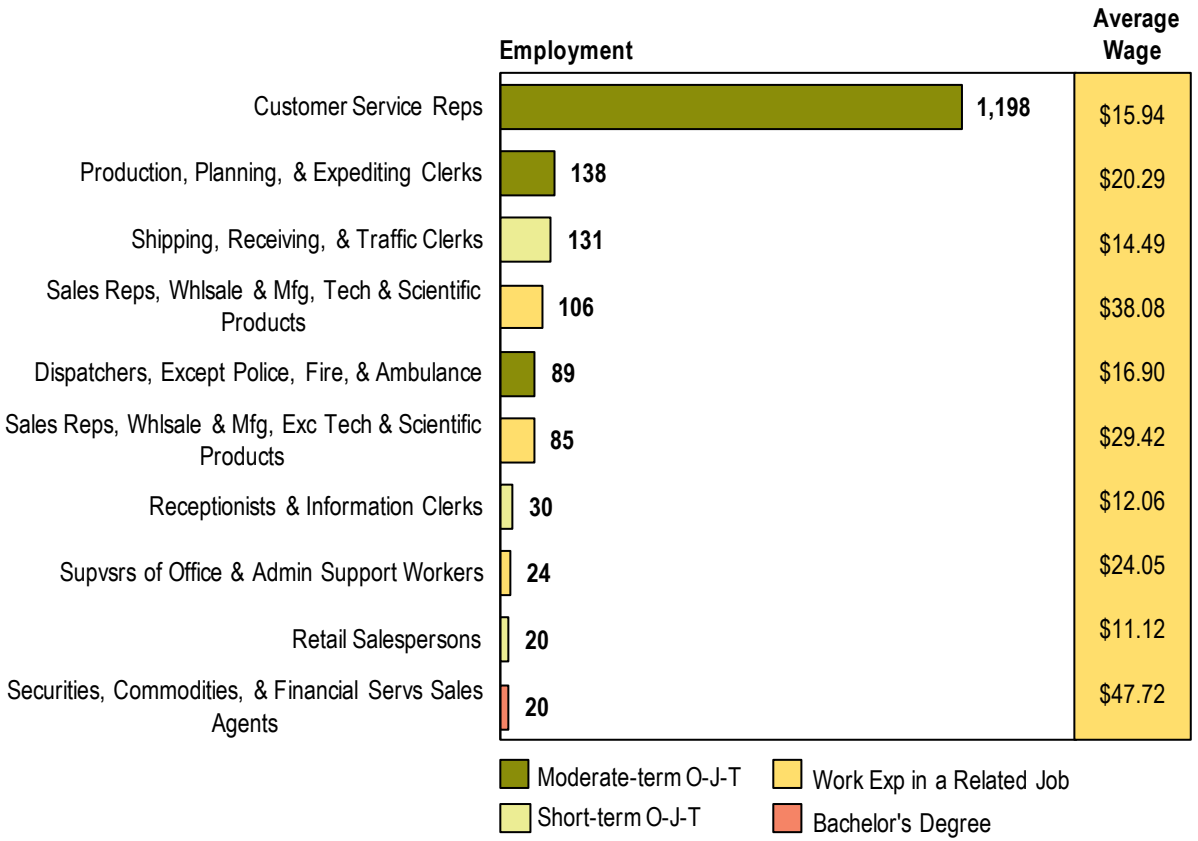
Professional and Related Occupations



- The group is dominated by customer service reps, one of the overall top 20 green jobs, which has more green employment than all other occupations combined in this category.
- One occupation from this list—technical and scientific sales reps—also made the list of fastest- growing green jobs in Georgia, with an annual growth rate of 38.6 percent for the year.
- Half of these occupations have wages very near or above the statewide average for all occupations.

The sales and administrative support occupations form the smallest white collar group, with only 17 occupations. The top ten contain almost all—nearly 97 percent—of the employment.

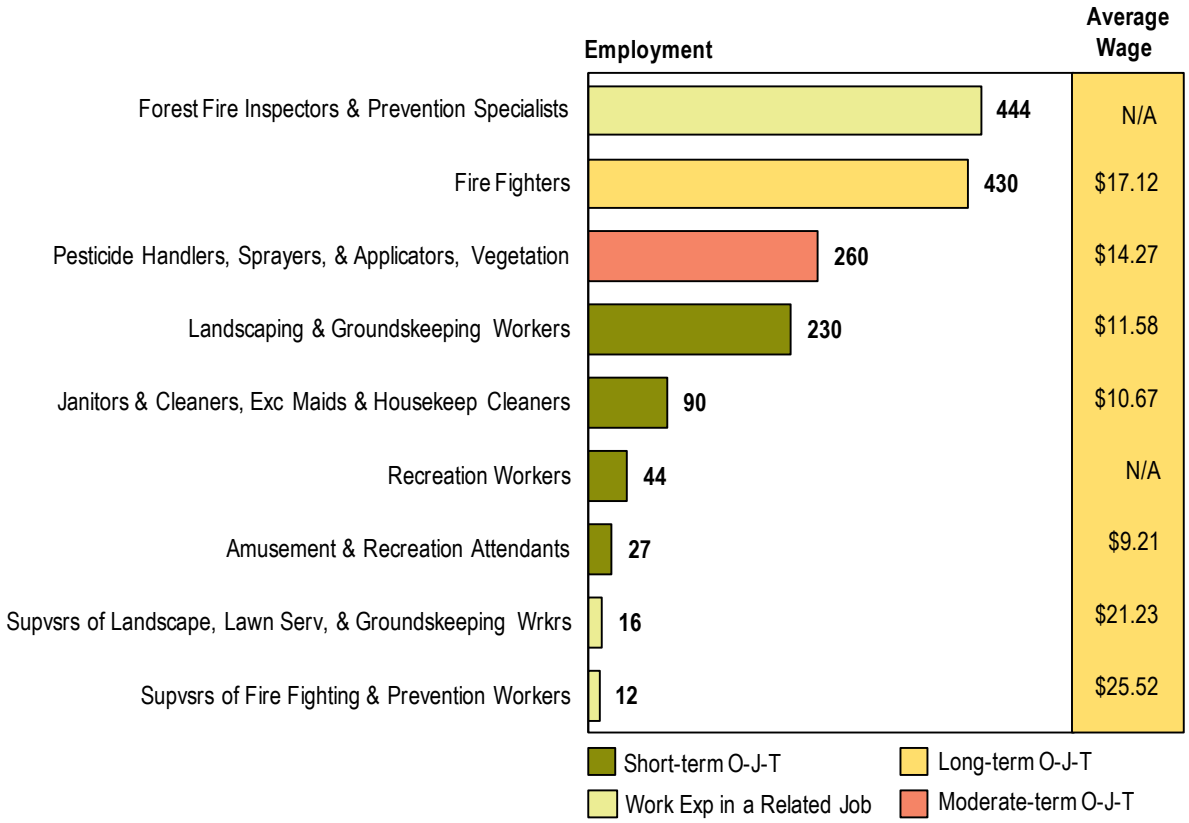
Sales and Administrative Support Occupations



- In Georgia, there are only 11 service occupations with green employment, while blue collar jobs are found in 95 occupations and white collar jobs in 118.
- Green employment (97.4 percent) in the nine presented here represents virtually all the employment in this group.
- None of these requires any education beyond high school; short-term on-the-job training of one week to one month is most often the preparation level required for job entry.
- Like most service occupations, average wages in these jobs are mostly less than the statewide average for all occupations.

In general, service occupations are not as significant to the green economy as blue collar and white collar occupations.

Service Occupations

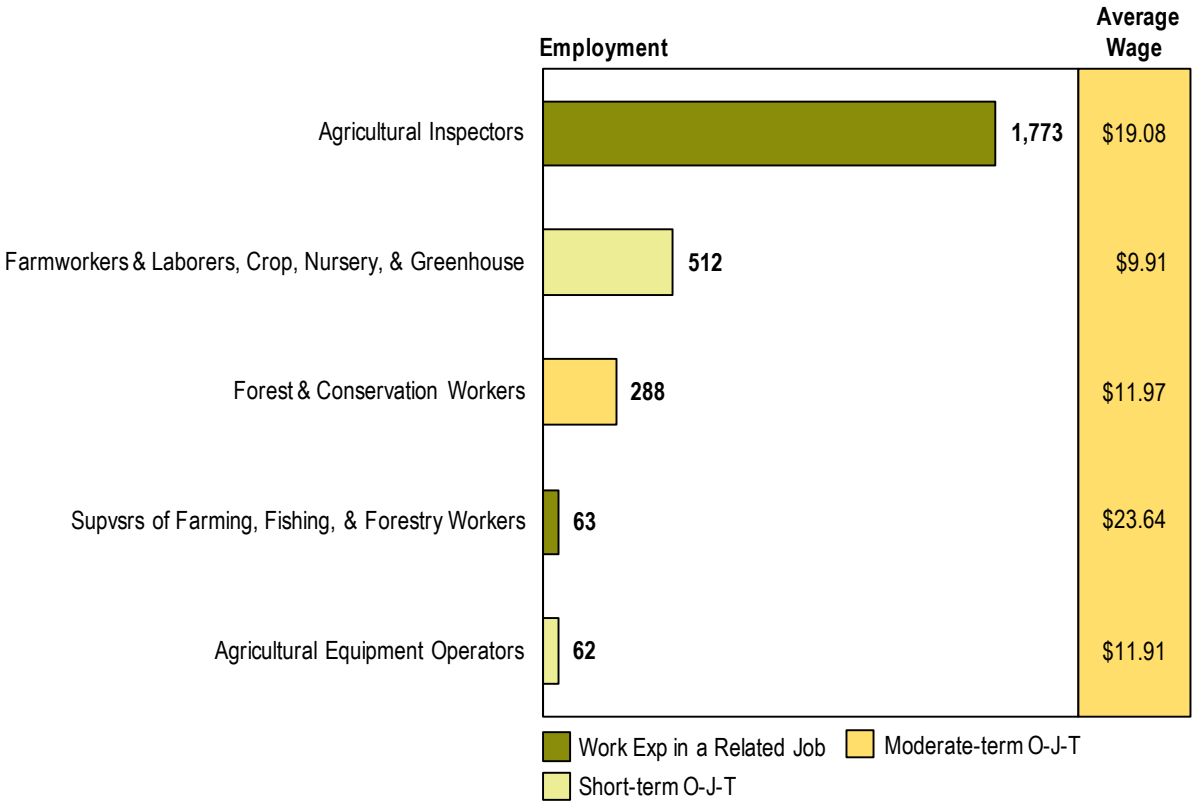


- Agricultural inspectors, one of the top 20 green jobs, lead this group. Its almost 1,800 green jobs is almost double the total for the other four occupations combined.

- Wages for green jobs in these occupations average $16.53 per hour, an amount that exceeds the $13.55 average for all farming, fishing, and forestry occupations.

The five occupations in this list represent all green employment in this group, the smallest of the blue collar category.

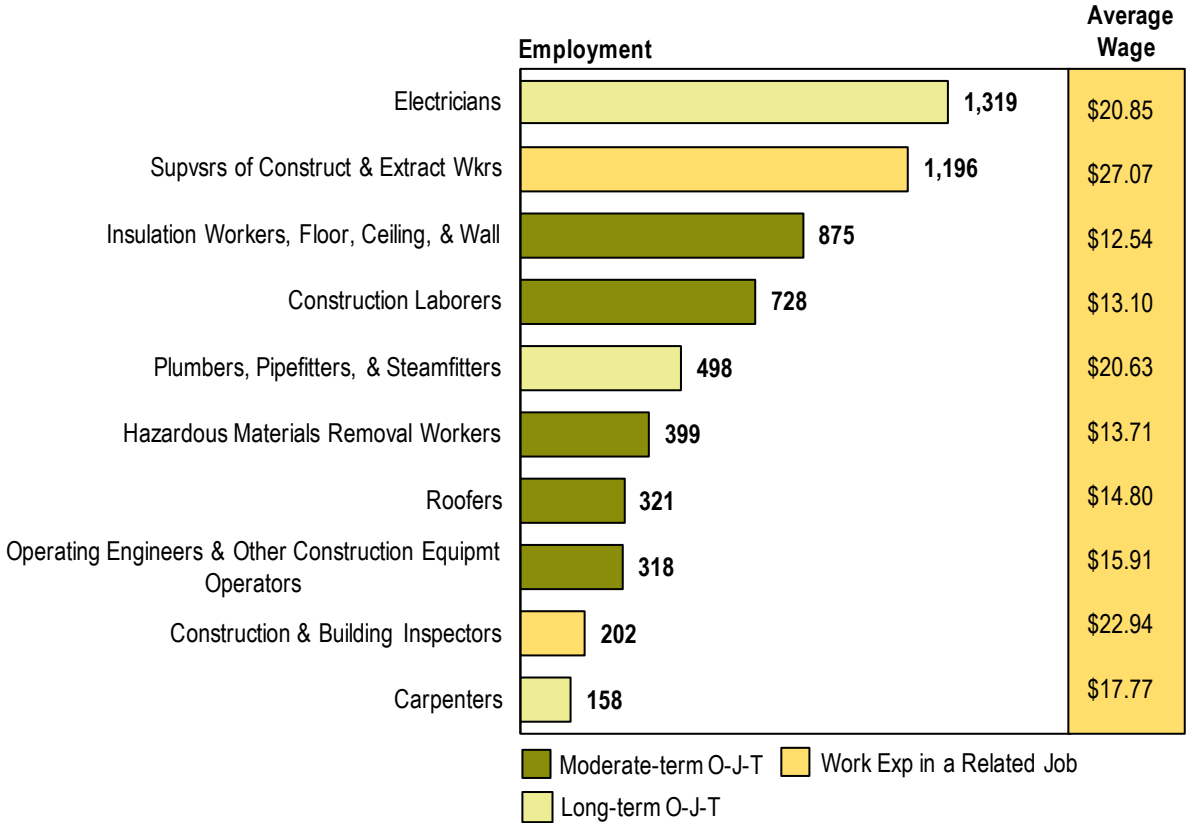
Farming, Fishing, and Forestry Occupations



- The four largest are also on the overall list of top 20 green jobs.
- Several of them offer apprenticeships as the usual route to job entry.
- None of them requires any formal postsecondary education.
- Half have above-average wages for all construction jobs, which is $17.70 per hour.

With 27 distinct occupations, the construction and extraction occupations group has the largest amount of employment in the blue collar component of green jobs. The ten presented here contain over 87 percent of the group's employment.

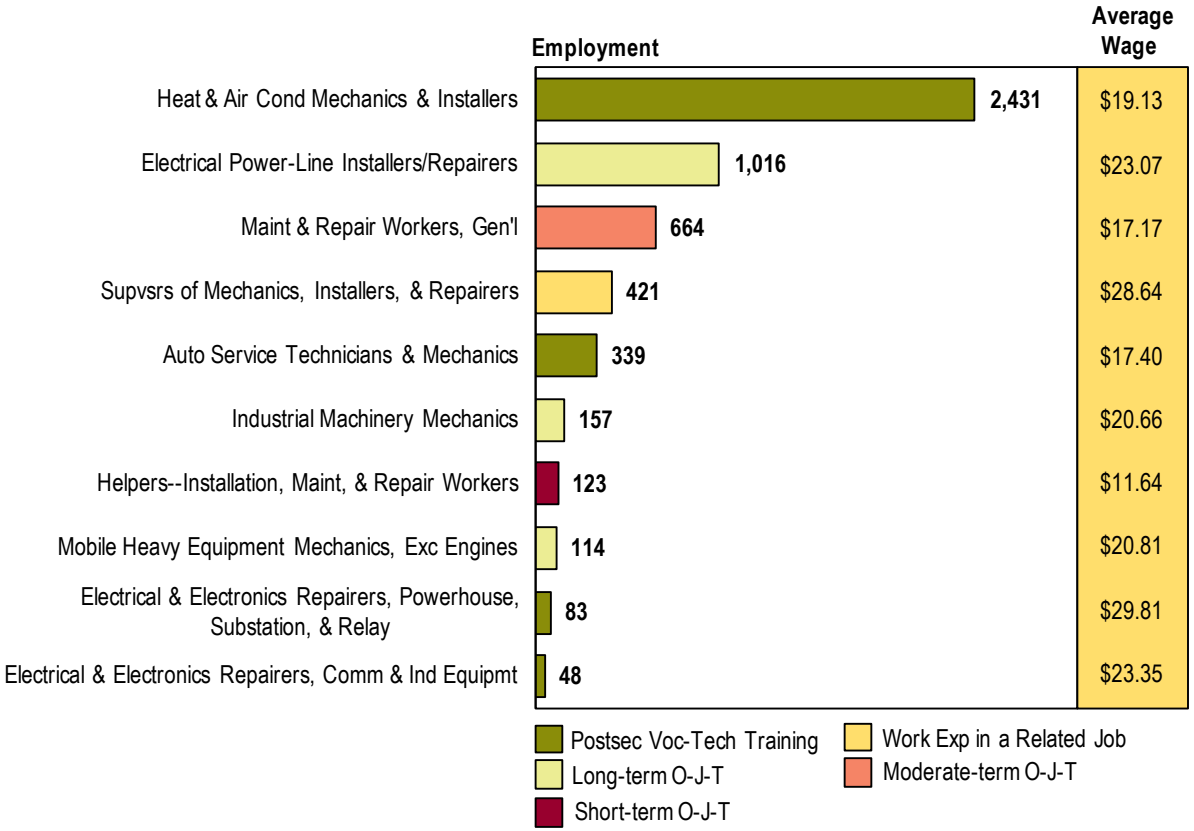
Construction and Extraction Occupations



- These 10 occupations offer the most preparation options for entering employment. Jobs requiring postsecondary voc-tech training, work experience in related job, and all three levels of on-the-job training can be found in this group.
- The largest occupation—heating and air conditioning mechanics and installers—also has the most green jobs in Georgia.
- A majority of them have wages that exceed the $19.96 average for all occupations in this group.

The 16 blue collar occupations in this group have almost 5,600 green jobs. At almost 97 percent, the ten occupations presented here contain essentially all its employment.

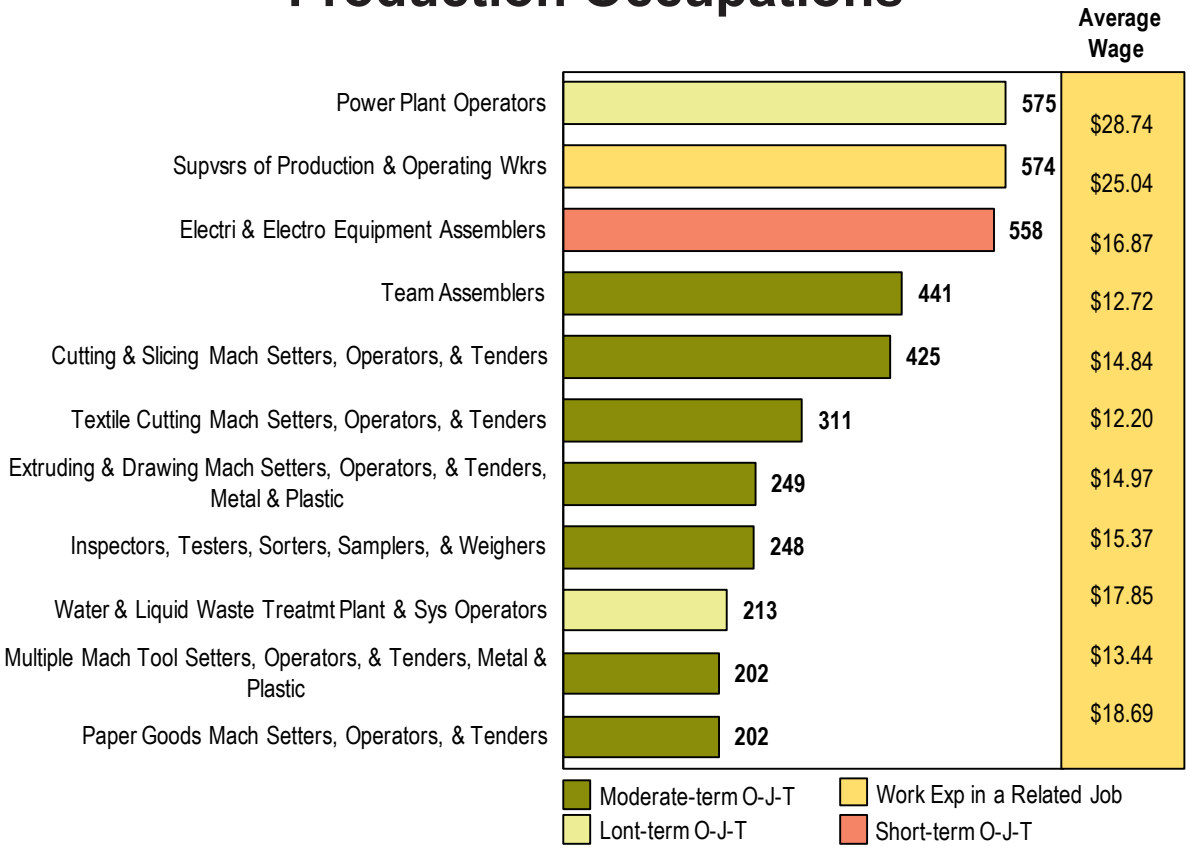
Installation, Maintenance, and Repair Occupations



- The top three are among the top 20 green jobs overall.
- Most of these jobs are associated with the manufacturing industry sector.
- None of them requires any formal education beyond high school.
- Eight of the 11 have wages above the average wage of $14.78 for all production jobs.

These 11 occupations represent more than 68 percent of the total employment in the 39 individual occupations in this group.

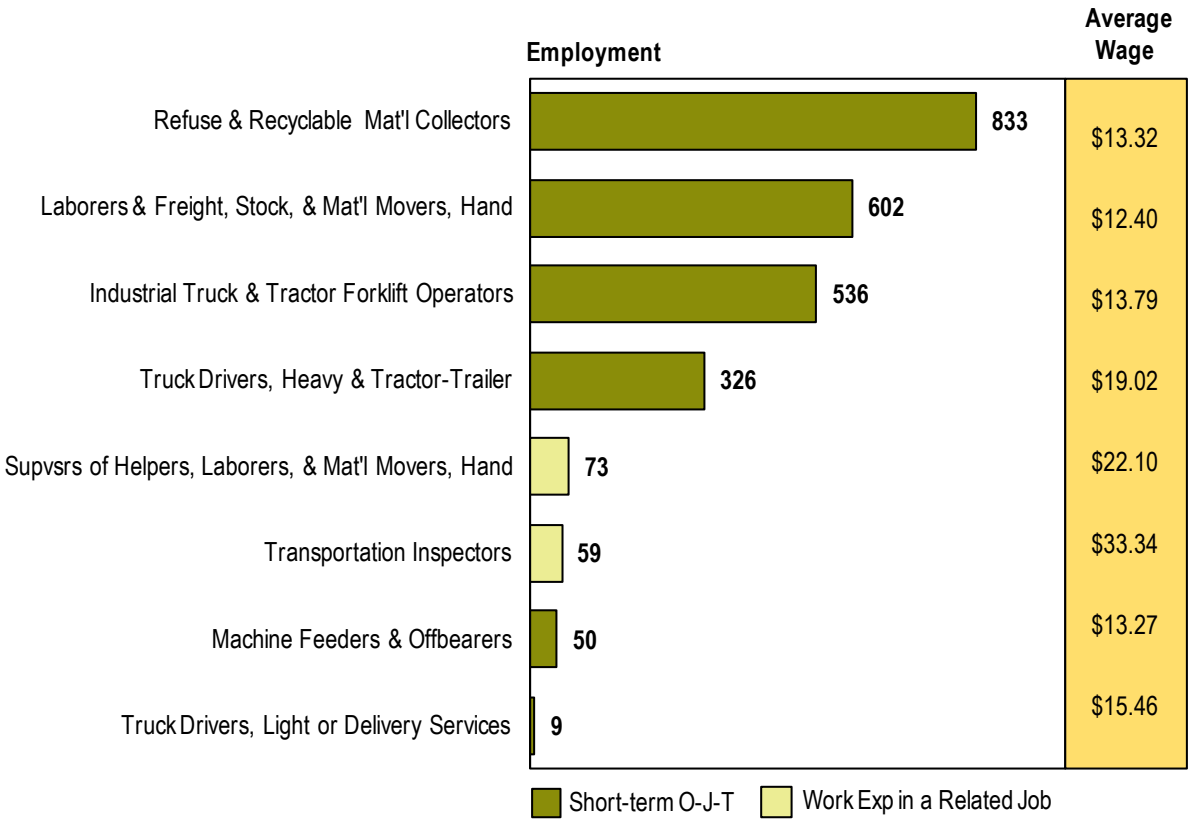
Production Occupations



- Although the number of distinct occupations is small, three of them are among the top 20 overall.
- Six of them require only short-term on-the-job training of one week to one month to enter employment.
- All six of the short-term on-the-job training occupations pay more than the $11.54 average for jobs requiring this preparation level.

Eight occupations with green jobs can be found in this group, the smallest blue collar group in employment.

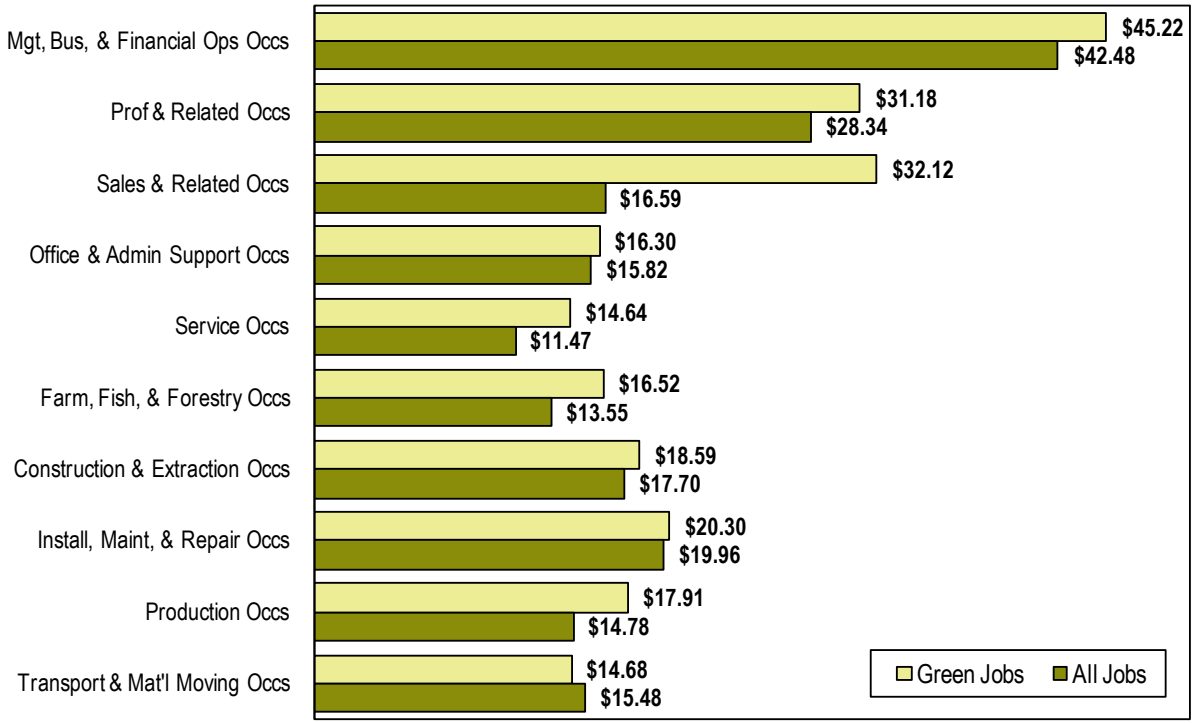
Transportation and Material-Moving Occupations



- With the exception of transportation & material-moving occupations, average wages in green jobs exceed those for traditional jobs in every occupational group.
- Wages for green jobs in sales & related occupations have the largest difference, exceeding those in comparable traditional jobs by more than 90 percent.
- Green jobs' average wages in three other groups—service; farming, fishing, & forestry; and production—exceed those in comparable non-green jobs by more than 20 percent.

At $22.75 per hour, the overall average wage for green jobs exceeds the $20.56 average for all jobs by 10.7 percent.

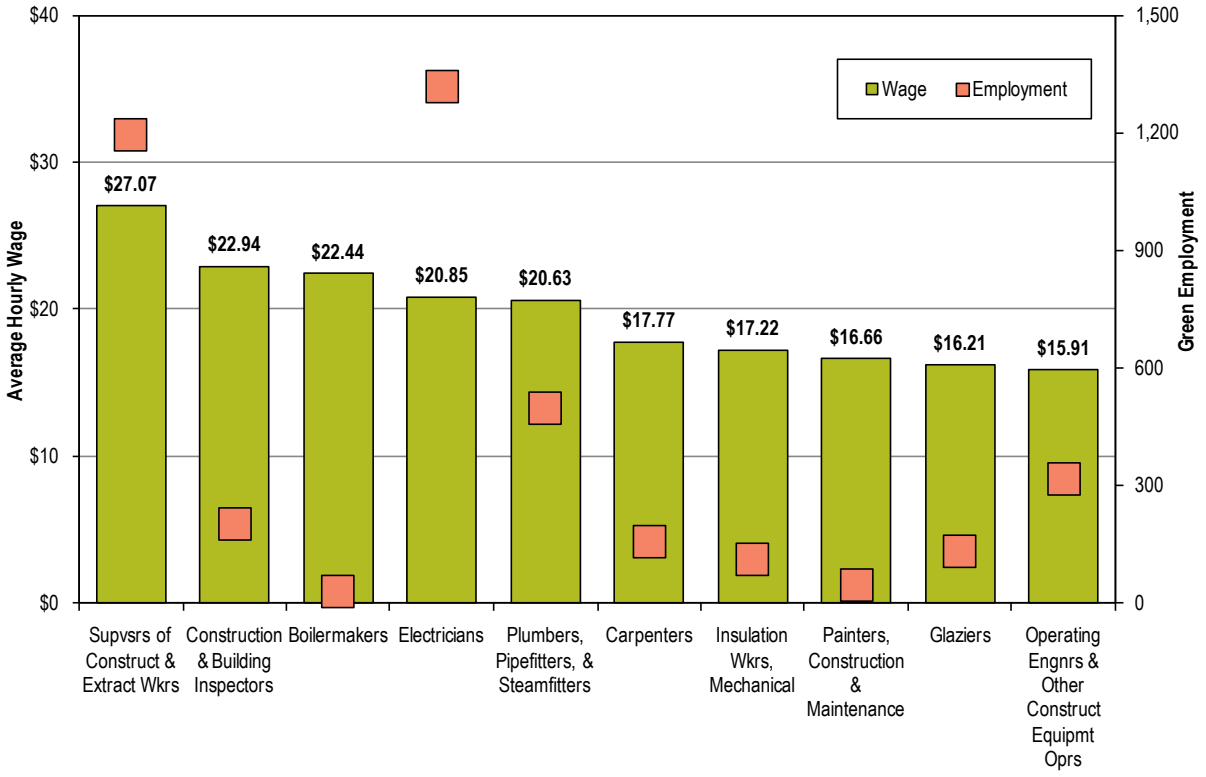
Comparison of Wages in Green Jobs to Wages in All Jobs



- Half of the jobs pay more than the $18.59 average for all green construction jobs.
- Half require long-term on-the job training through apprenticeships as the usual method of preparation to become fully employed.
- Two occupations—construction & building inspectors and electricians—are also on the list of the occupations with the most green jobs overall.
- Two other ones—construction & maintenance painters and operating engineers—are among the fastest growing.

At $18.59 per hour, green jobs in construction & extraction occupations pay more than the $17.70 average for all construction & extraction jobs, and the ten on this list pay the most.

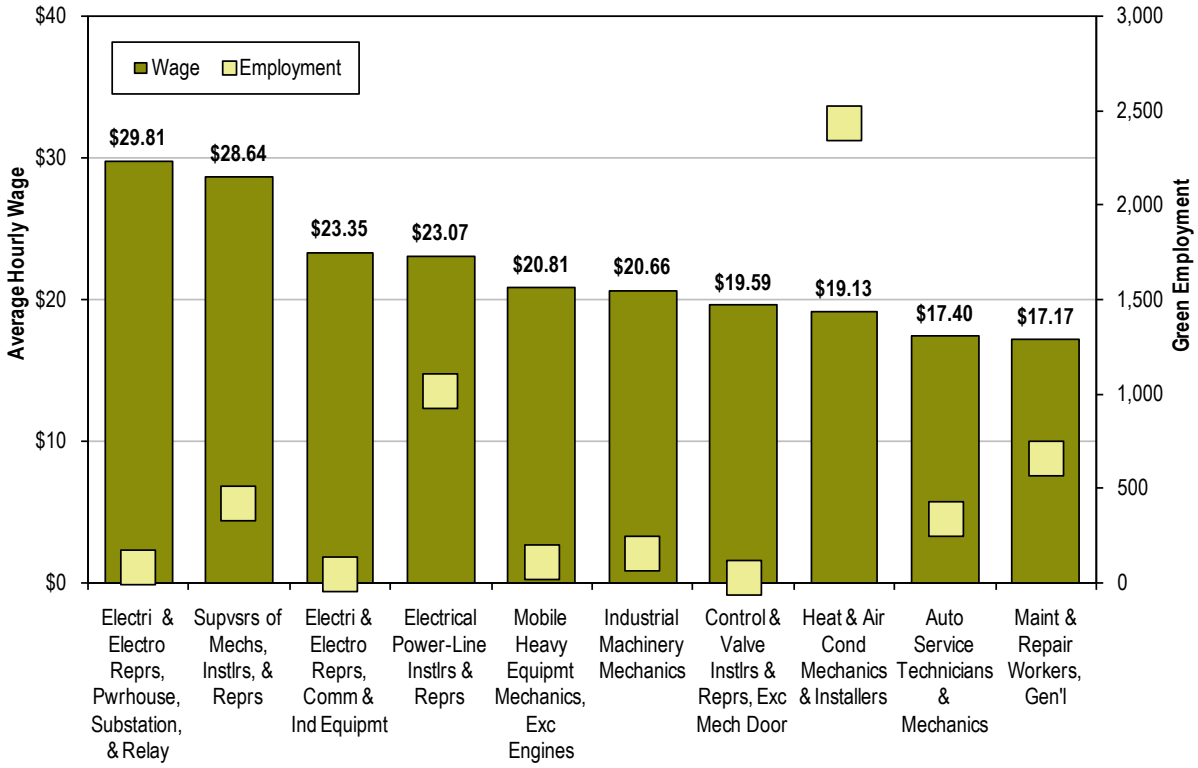
Highest Paying Green Jobs & Their Employment in Construction Occupations



- Six of the ten highest paying green jobs in this group pay more than the $20.30 average for all green installation, maintenance, and repair jobs.
- Half require long-term on-the job training through apprenticeships as the usual method of preparation to become fully employed.
- Heating & air conditioning mechanics and installers, the top green job in the state, is also among this list of the highest paying green jobs.
- Two additional occupations—electrical power-line installers & repairers and general maintenance & repair workers—are also on the list for the most green jobs overall.
- One occupation, control & valve installers & repairers, is among the fastest growing green jobs in the state.

At an average of $20.30 per hour, green jobs in installation, maintenance, & repair occupations have the highest wages of all blue collar green jobs in Georgia.

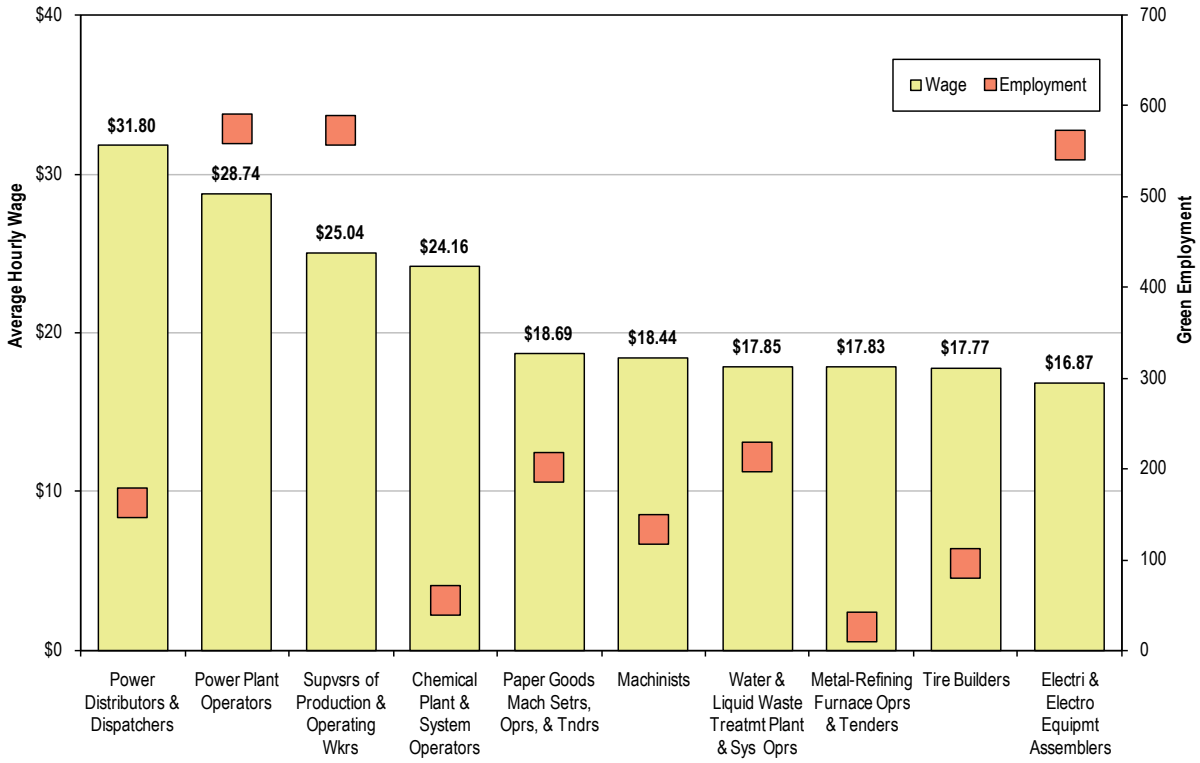
Highest Paying Green Jobs & Their Employment in Installation, Maintenance, & Repair Occupations



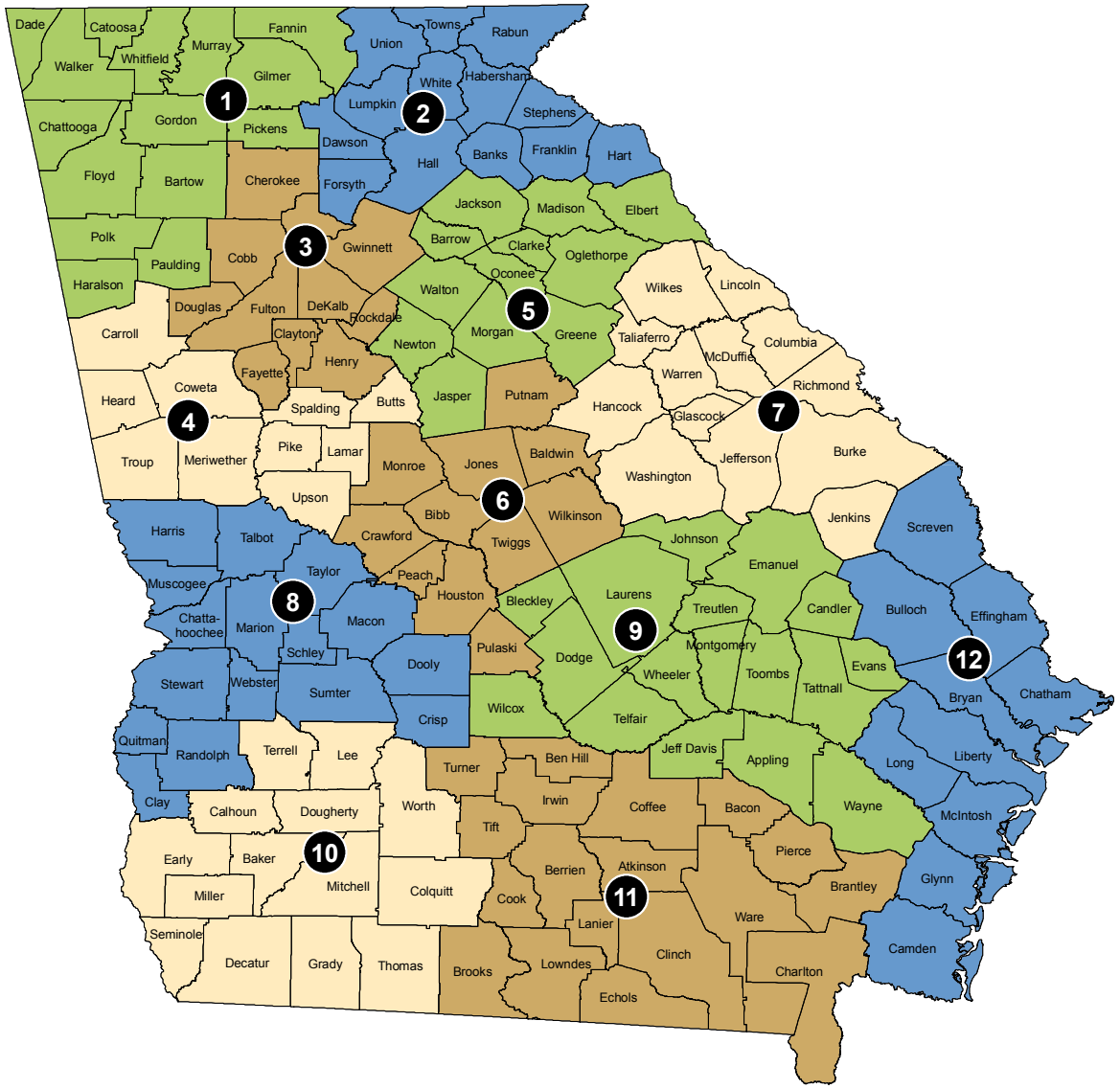
- All ten on this list pay more on average than the average for all production jobs, and six pay more than the average for green production jobs.
- Three—power plant operators, supervisors of production workers, and electrical & electronics equipment assemblers—are among the top green jobs in Georgia's economy.
- Tire builders, the ninth highest-paying green production job, also ranks among the ten fastest growing green jobs in the state.

Average wages of $17.91 for all green production jobs exceed those for all production jobs by more than 20 percent.

Highest Paying Green Jobs & Their Employment in Production Occupations



Service Delivery Regions



SDR #1 – Northwest Georgia

SDR #2 – Georgia Mountains

SDR #3 - Metro Atlanta

SDR #4 – Three Rivers

SDR #5 – Northeast Georgia

SDR #6 – Middle Georgia

SDR #7 – Central Savannah River Area

SDR #8 – River Valley

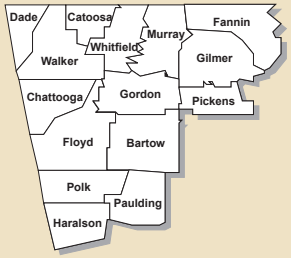
SDR #9 – Heart of Georgia/Altamaha

SDR #10- Southwest Georgia

SDR #11- Southern Georgia

SDR #12- Coastal Georgia

Service Delivery Region #1 - Northwest Georgia

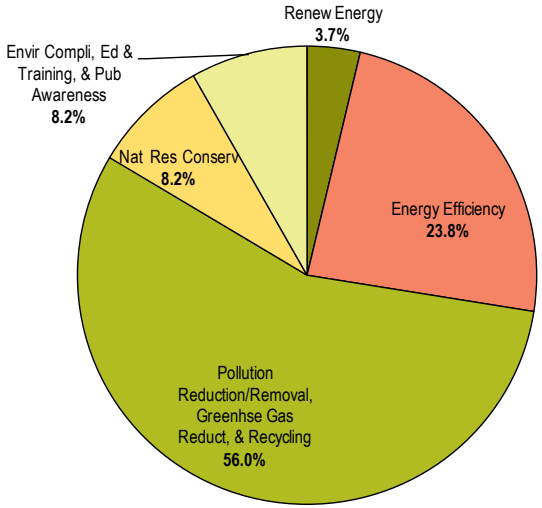


Includes the following counties in the vicinity fof the cities of Dalton and Rome: Bartow, Catoosa, Chattooga, Dade, Fannin, Floyd, Gilmer, Gordon, Haralson, Murray, Paulding, Pickens, Polk, Walker, and Whitfield

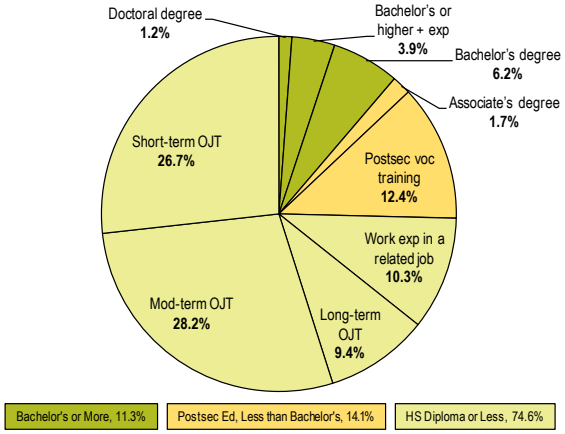
- Of the approximately 40,000 total green jobs in Georgia, 2,330, or almost six percent, are located in this region.
- These jobs can be found in all five green economic clusters, in eight major industry sectors, and in 70 different occupations.
- The $19.56 average wage for green employment in the region is nearly 15 percent higher than the $17.03 average wage for all occupations.
- Nearly 80 percent of all green jobs fall into either the Increased Energy Efficiency or the Pollution Reduction & Cleanup, Greenhouse Gas Reduction, and Recycling core areas.
- Over half the green positions are in manufacturing, while nearly one quarter is in construction.

Nearly one percent of all jobs in Service Delivery Region #1 are green, roughly the same percentage as in the state as a whole.

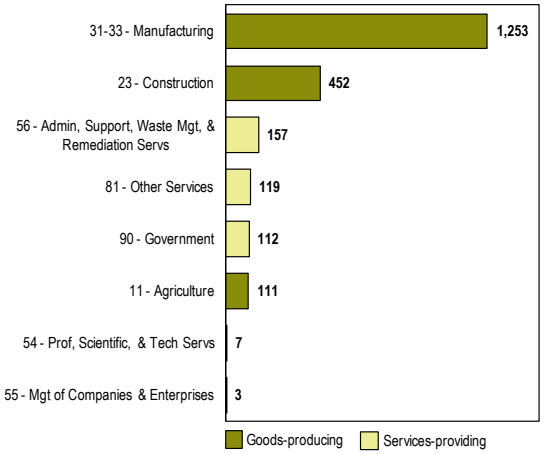
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Heat, Air Cond, & Refrig Mechanics & Installers	7	203	16.77
Industrial Truck & Tractor Forklift Operators	11	173	13.55
Supvsrs of Production & Operating Workers	8	125	24.20
Inspectors, Testers, Sorters, Samplers, & Weighers	10	101	14.28
Insulation Workers, Mechanical	10	91	N/A
Truck Drivers, Heavy & Tractor-Trailer	11	89	16.87
Plumbers, Pipefitters, & Steamfitters	9	76	22.67
Industrial Machinery Mechanics	9	72	19.61
Maintenance & Repair Workers, General	10	71	16.17
Team Assemblers	10	64	13.53

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #2 - Georgia Mountains

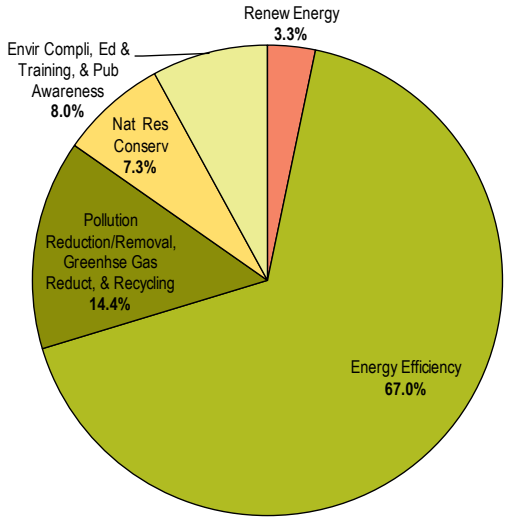


Includes the following counties in the vicinity of the city of Gainesville: Banks, Dawson, Forsyth, Franklin, Habersham, Hall, Hart Lumpkin, Rabun, Stephens, Towns, Union, and White

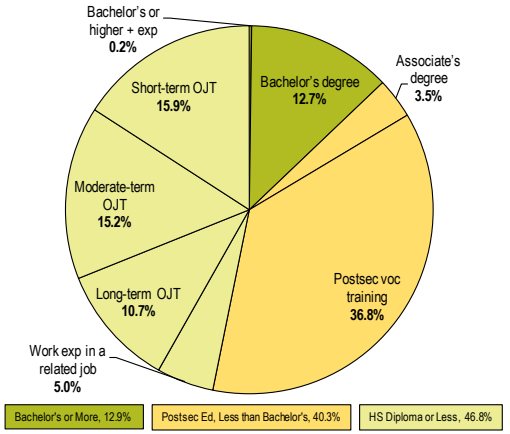
- Of the approximately 40,000 total green jobs in Georgia, 1,580, or almost four percent, are located in this region.
- These jobs can be found in all five green economic clusters, in eight major industry sectors, and in 38 different occupations.
- Half of the top ten green jobs have average wages greater than the $17.95 average for all green jobs in this region.
- Nearly 70 percent of all jobs in the Georgia Mountains Region are in the increased energy efficiency core area.
- Of the eight industry sectors found to have green employment in this region, construction comprised nearly 60 percent, nearly five times more than the second leading industry sector.
- Almost 25 percent of the green jobs in this region require a bachelor's degree.
- Of the top ten green jobs in this region, four belong to the construction and extraction occupational group.

Nearly one percent of all jobs in the Service Delivery Region #2 are green, roughly the same percentage as in the state as a whole.

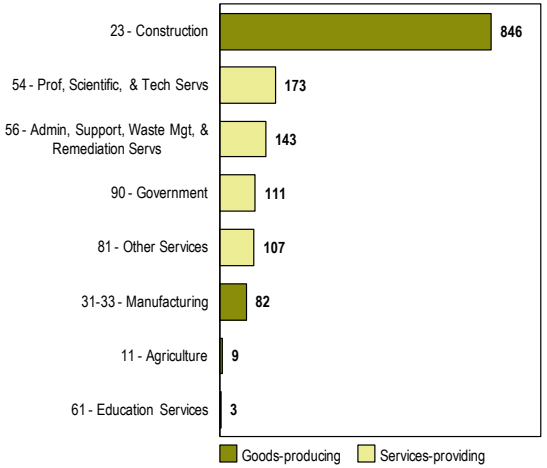
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



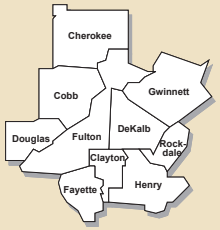
Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Heat, Air Cond, & Refrig Mechanics & Installers	7	395	17.98
Plumbers, Pipefitters, & Steamfitters	9	128	17.03
Refuse & Recyclable Material Collectors	11	128	10.80
Auto Service Technicians & Mechanics	7	107	15.22
Roofers	10	82	N/A
Insulation Workers, Floor, Ceiling, & Wall	10	77	N/A
Forest & Conservation Technicians	6	49	20.32
Supvsrs of Construction Trades & Extraction Wkrs	8	47	25.78
Landscape Architects	5	42	N/A
Amusement & Recreation Attendants	11	27	8.68

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #3 – Metro Atlanta

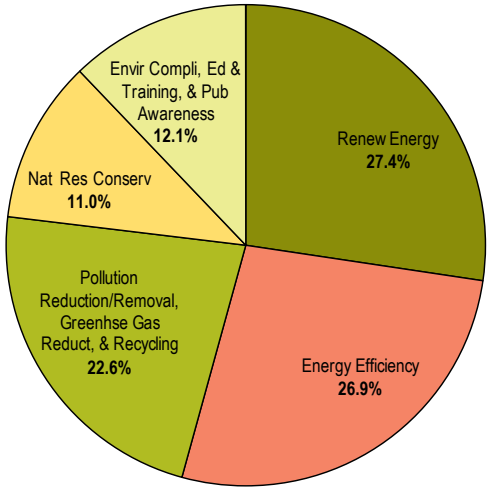


Includes the following counties in the vicinity of the city of Atlanta: Cherokee, Clayton, Cobb, DeKalb, Douglas, Fayette, Fulton, Gwinnett, Henry, and Rockdale

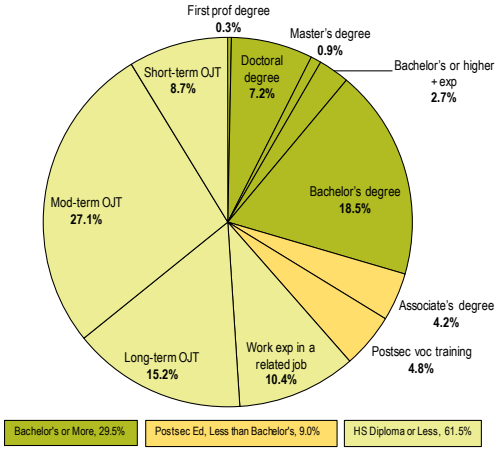
- Of the approximately 40,000 total green jobs in Georgia, more than half are located in this region.
- These jobs can be found in all five green economic clusters, in 13 major industry sectors, and in 179 different occupations.
- The $24.42 hourly average wage for green jobs is nearly five percent higher than the $23.28 hourly average wage for all occupations in this region.
- SDR #3 is the only region where each green cluster has at least a ten percent share of green jobs.
- This SDR's 27.4 percent share of green jobs in renewable energy is almost four times more than the region with the second largest share.
- Of the 13 industries found to have green employment in this area, 74 percent are located in the services-providing industry sectors.
- Three of the top ten green occupations are related to construction.

More than one percent of all jobs in Service Delivery Region #3 are green, a slightly higher percentage than in the state as a whole.

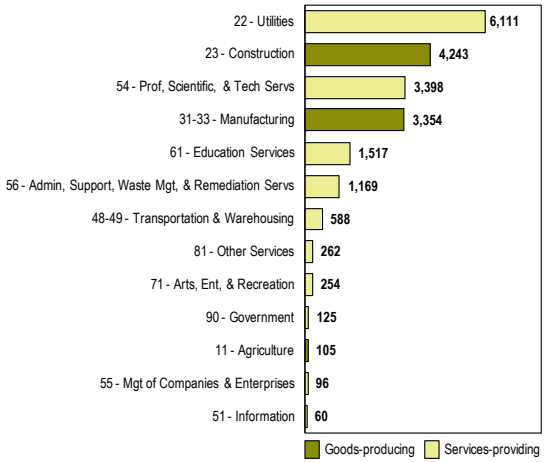
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



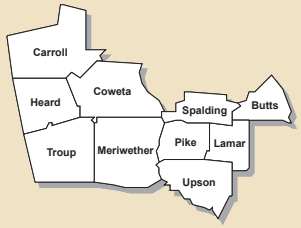
Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Customer Service Reps	10	1,108	17.08
Electrical Power-Line Installers & Repairers	9	1,007	23.40
Architects, Except Landscape & Naval	5	889	36.86
Insulation Workers, Floor, Ceiling, & Wall	10	790	N/A
Heat, Air Cond, & Refrig Mechanics & Installers	7	735	21.05
Supvsrs of Construction Trades & Extraction Wkrs	8	684	28.74
Electricians	9	651	21.77
Power Plant Operators	9	570	28.80
Laborers & Freight, Stock, & Material Movers, Hand	11	519	12.67
Engineering Teachers, Postsecondary	2	N/A	N/A

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #4 – Three Rivers

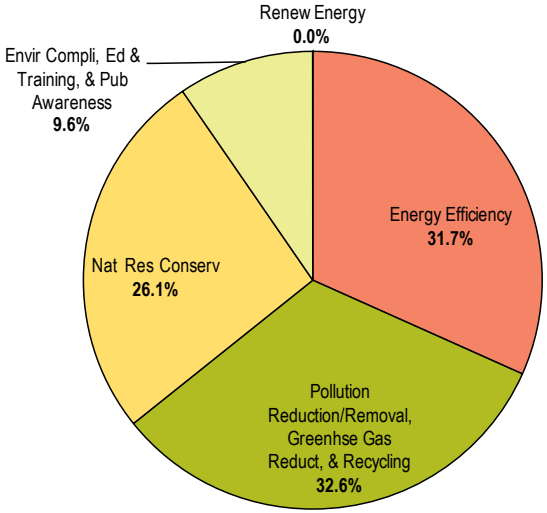


Includes the following counties in the vicinity of the cities of LaGrange and Newnan: Butts, Carroll, Coweta, Heard, Lamar, Meriwether, Pike, Spalding, Troup, and Upson

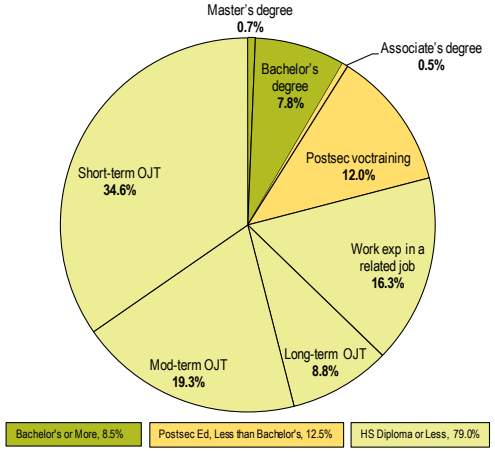
- Of the approximately 40,000 total green jobs in Georgia, 670, or almost two percent, are located in this region.
- These jobs can be found in every green economic cluster except renewable energy, in seven major industry sectors, and in 28 different occupations.
- Three of the top ten green jobs have mean hourly wages greater than the mean hourly wage of $17.12 for all occupations in this region.
- This region is one of six that had no green jobs in the renewable energy core area.
- Seventy-three percent of employment in the top ten green jobs is located in goods-producing industry sectors.
- Only one of the top ten green jobs in this region requires any education beyond high school.

Less than one percent of all jobs in Service Delivery Region #4 are green, slightly less than the percentage in the state as a whole.

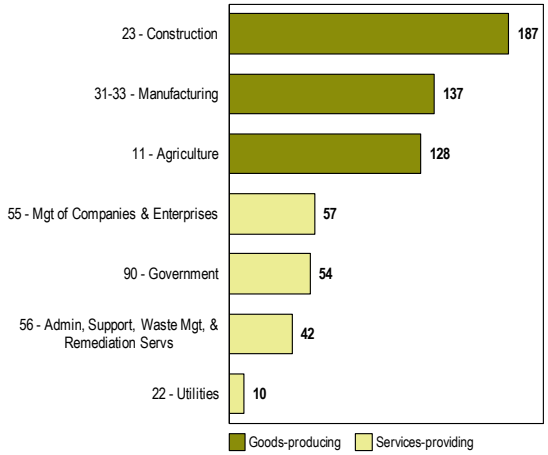
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employ-ment	Average Hourly Wage
Farmworkers & Laborers, Crop, Nursery, & Greenhouse	11	74	N/A
Heat, Air Cond, & Refrig Mechanics & Installers	7	74	17.39
Forest & Conservation Workers	10	54	N/A
Supvsrs of Construction Trades & Extraction Wkrs	8	49	30.13
Machine Feeders & Offbearers	11	49	15.14
Electrical & Electronic Equipment Assemblers	11	48	21.80
Refuse & Recyclable Material Collectors	11	42	13.31
Forest Fire Inspectors & Prevention Specialists	8	38	N/A
Water & Liquid Waste Treatment Plant & System Operators	9	35	16.28
Construction Laborers	10	28	14.45

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #5 – Northeast Georgia

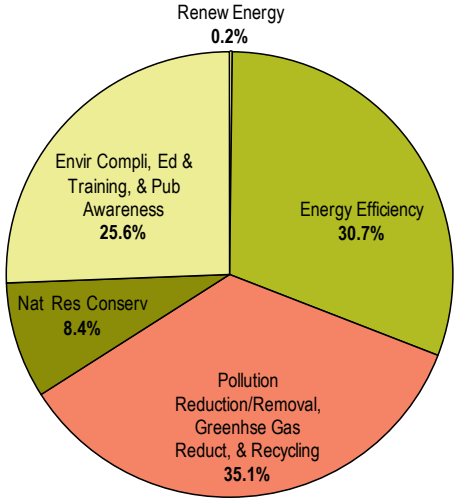


Includes the following counties in the vicinity of the city of Athens: Barrow, Clarke, Elbert, Greene, Jackson, Jasper, Madison, Morgan, Newton, Oconee, Oglethorpe, and Walton

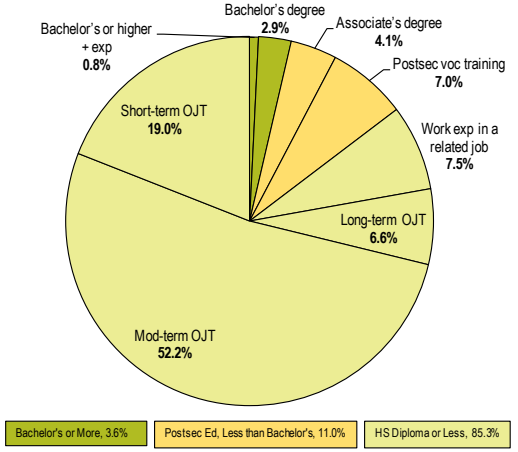
- Of the approximately 40,000 total green jobs in Georgia, 2,950, or 7.4 percent, are located in this region.
- These jobs can be found in all five green economic clusters, in eight major industry sectors, and in 35 different occupations.
- The $23.96 average wage for green jobs in the Northeast Georgia Region is more than 30 percent higher than the $18.21 average wage for all occupations.
- Eighty-six percent of all green jobs fall into the increased energy efficiency or the pollution reduction & cleanup, greenhouse gas reduction, and recycling core areas.
- Four of the top ten green jobs are production-related, which represents nearly 55 percent of employment in the top ten green jobs in this region.
- This region is one of three with wages in green jobs exceeding the regional average by more than 20 percent.

Nearly one percent of all jobs in Service Delivery Region #5 are green, roughly the same percentage as in the state as a whole.

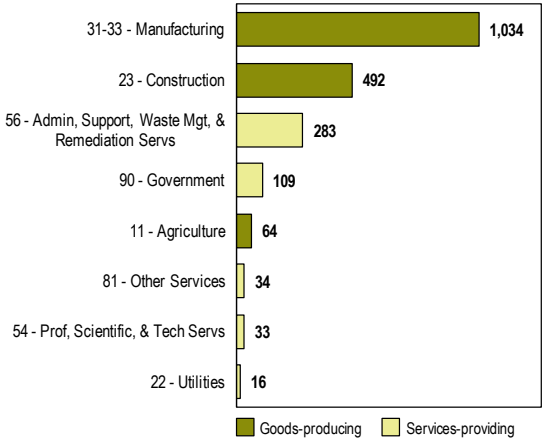
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Agricultural Sciences Teachers, Postsec	2	N/A	N/A
Textile Cutting Machine Setters, Operators, & Tenders	10	308	N/A
Electrical & Electronic Equipment Assemblers	11	300	N/A
Hazardous Materials Removal Workers	10	220	N/A
Multiple Machine Tool Setters, Operators, & Tenders, Metal & Plastic	10	200	14.92
Heat, Air Cond, & Refrig Mechanics & Installers	7	144	20.16
Plumbers, Pipefitters, & Steamfitters	9	108	19.20
Construction Laborers	10	104	11.64
Supvsrs of Construction Trades & Extraction Wkrs	8	92	24.31
Tire Builders	10	65	N/A

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #6 – Middle Georgia

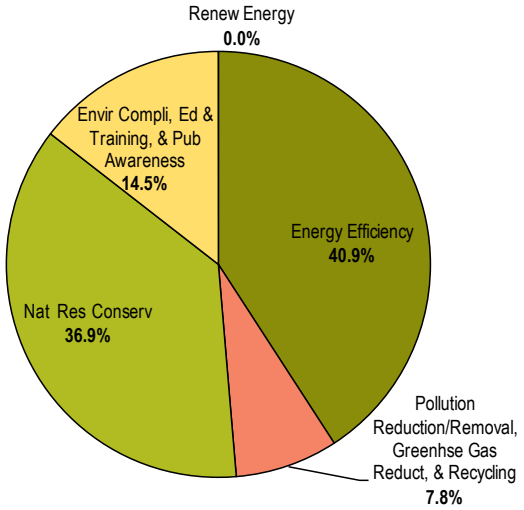


Includes the following counties in the vicinity of the cities of Macon and Warner Robins: Baldwin, Bibb, Crawford, Houston, Jones, Monroe, Peach, Pulaski, Putnam, Twiggs, and Wilkinson

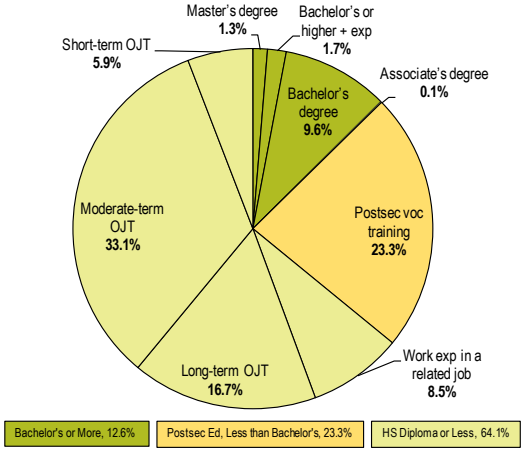
- Of the approximately 40,000 total green jobs in Georgia, 1,130, or almost three percent, are located in this region.
- These jobs can be found in every green economic cluster except renewable energy, in nine major industry sectors, and in 35 different occupations.
- The $19.95 average hourly wage for green jobs is nearly eight percent higher than the $18.55 average wage for all occupations in this region.
- The Middle Georgia region is one of six that did not have any green jobs in the renewable energy core area.

Less than one percent of all jobs in Service Delivery Region #6 are green, slightly less than the percentage in the state as a whole.

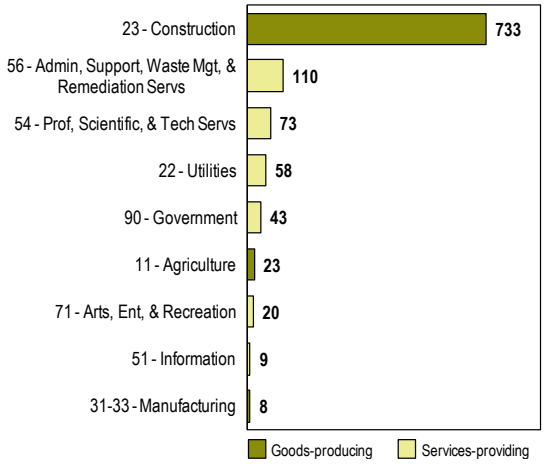
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Heat, Air Cond, & Refrig Mechanics & Installers	7	250	18.73
Operating Engineers & Other Construction Equipment Operators	10	244	14.67
Electricians	9	133	18.82
Construction Laborers	10	68	11.61
Forest Fire Inspectors & Prevention Specialists	8	43	17.45
Landscaping & Groundskeeping Workers	11	38	10.34
Civil Engineers	5	31	35.47
Pesticide Handlers, Sprayers, & Applicators, Vegetation	10	26	N/A
Plumbers, Pipefitters, & Steamfitters	9	24	19.05
Sales Reps, Whlsale & Mfg, Tech & Scientific Products	8	22	32.97
Water & Liquid Waste Treatment Plant & System Operators	9	22	18.48

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region # 7 – Central Savannah River Area

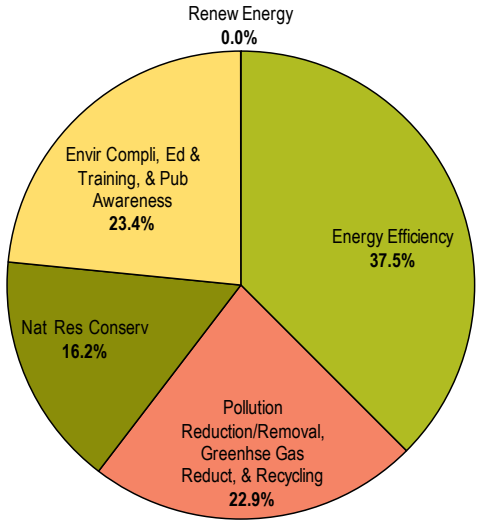


Includes the following counties in the vicinity of the city of Augusta: Burke, Columbia, Glascock, Hancock, Jefferson, Jenkins, Lincoln, McDuffie, Richmond, Screven, Taliaferro, Warren, Washington, and Wilkes

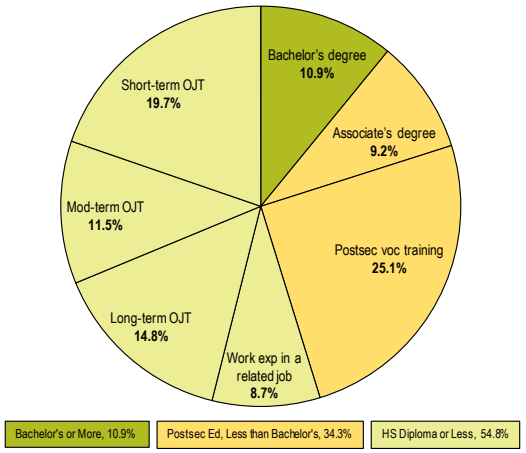
- Of the approximately 40,000 total green jobs in Georgia, 950, or more than two percent, are located in this region.
- These jobs can be found in every green economic cluster except renewable energy, in seven major industry sectors, and in 24 different occupations.
- The mean wage of $19.06 for green jobs in this region is almost three percent higher than the mean wage of $18.55 for all occupations.
- The Central Savannah River Area SDR is one of six that did not have any green jobs in the renewable energy core area.
- Green jobs in goods-producing industry sectors, led by construction, comprise 66 percent of all green employment.
- Six of the 24 green jobs in this region typically require a bachelor's degree.

Nearly one percent of all jobs in Service Delivery Region #7 are green, roughly the same percentage as in the state as a whole.

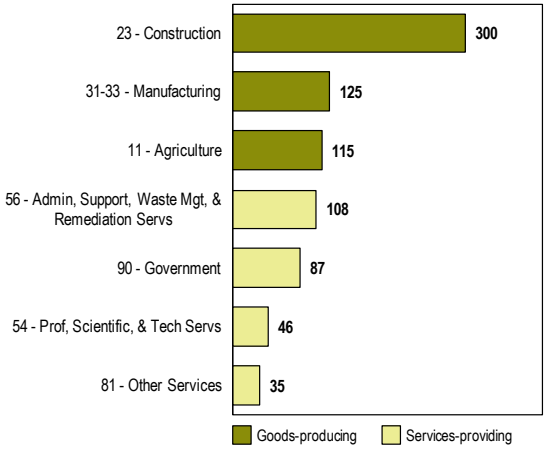
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



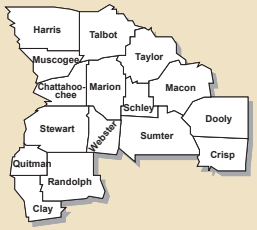
Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Heat, Air Cond, & Refrig Mechanics & Installers	7	152	15.64
Electricians	9	111	19.31
Refuse & Recyclable Material Collectors	11	76	11.10
Farmworkers & Laborers, Crop, Nursery, & Greenhouse	11	72	10.58
Forest & Conservation Technicians	6	63	22.20
Auto Service Technicians & Mechanics	7	53	15.85
Foresters	5	43	N/A
Supvsrs of Production & Operating Workers	8	36	28.83
Architects, Except Landscape & Naval	5	26	23.83
Roofers	10	25	11.30

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #8 – River Valley

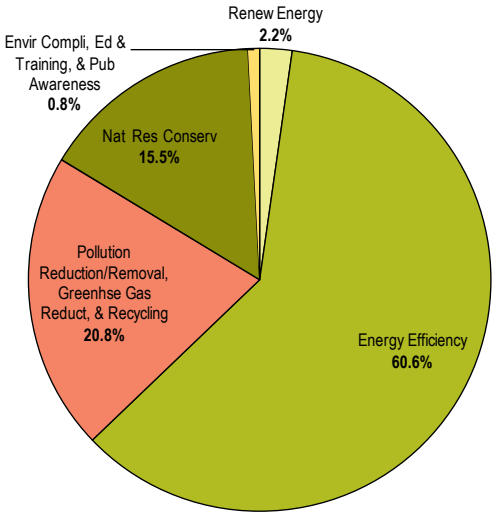


Includes the following counties in the vicinity of the cities of Columbus and Americus: Chattahoochee, Clay, Crisp, Dooly, Harris, Macon, Marion, Muscogee, Quitman, Randolph, Schley, Stewart, Sumter, Talbot, Taylor, and Webster

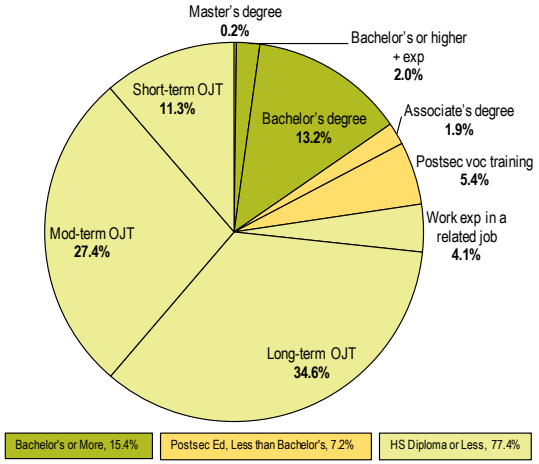
- Of the approximately 40,000 total green jobs in Georgia, 1,110, or almost three percent, are located in this region.
- These jobs can be found in all five green economic clusters, in six major industry sectors, and in 46 different occupations.
- The average wage of $21.01 for green jobs in this region is more than 20 percent higher than the $17.43 average wage for all occupations.
- At nearly 61 percent of green employment, the increased energy efficiency core area contains more employment than the other three cores areas combined.
- This region is one of three with wages in green jobs exceeding the regional average by more than 20 percent.

Nearly one percent of all jobs in Service Delivery Region #8 this region are green, roughly the same percentage as in the state as a whole.

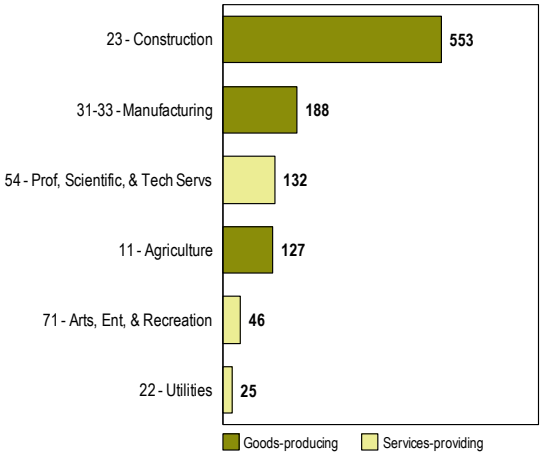
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



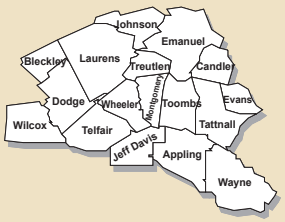
Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Electricians	9	237	17.21
Roofers	10	97	15.64
Refuse & Recyclable Material Collectors	11	70	12.66
Farmers, Ranchers, & Other Agricultural Mgrs	4	64	N/A
Plumbers, Pipefitters, & Steamfitters	9	61	17.43
Heat, Air Cond, & Refrig Mechanics & Installers	7	53	15.68
Construction Laborers	10	51	10.28
Glaziers	9	49	10.12
Farmworkers & Laborers, Crop, Nursery, & Greenhouse	11	43	9.48
Architects, Except Landscape & Naval	5	33	43.18

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #9 – Heart of Georgia/Altamaha

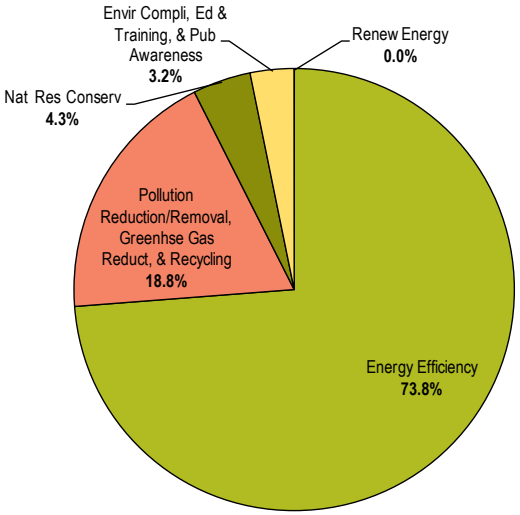


Includes the following counties in the vicinity of the cities of Dublin and Vidalia: Appling, Bleckley, Candler, Dodge, Emanuel, Evans, Jeff Davis, Johnson, Laurens, Montgomery, Tattnall, Telfair, Toombs, Treutlen, Wayne, Wheeler, and Wilcox

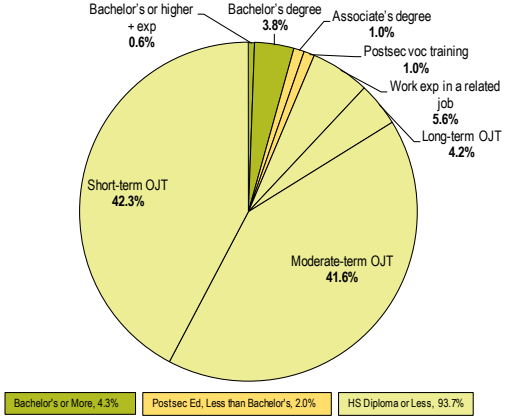
- Of the approximately 40,000 total green jobs in Georgia, 750, or almost two percent, are located in this region.
- These jobs can be found in every green economic cluster except renewable energy, in six major industry sectors, and in 34 different occupations.
- The mean hourly wage of $16.17 for green jobs is almost two percent higher than the $16.00 mean hourly wage for all occupations in this region.
- At nearly 74 percent, this region's share of increased energy efficiency green employment exceeds that in all other regions.
- The overwhelming majority, 94 percent, of green jobs in this region are in manufacturing, a goods-producing industry sector.
- The vast majority of green jobs in this region do not require any formal education beyond high school, the highest percentage of any region.

Nearly one percent of all jobs in Service Delivery Region #9 are green, roughly the same percentage as in the state as a whole.

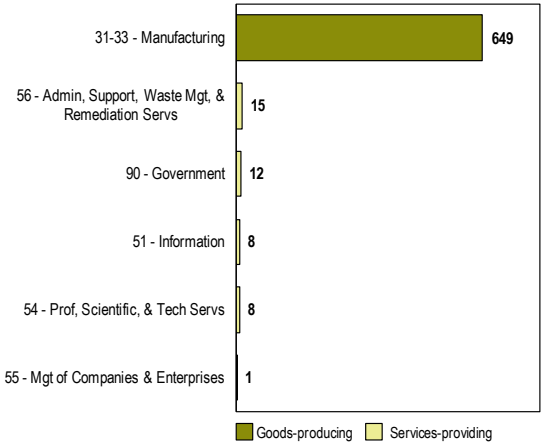
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employ-ment	Average Hourly Wage
Electrical & Electronic Equipment Assemblers	11	150	N/A
Team Assemblers	10	150	10.82
Industrial Truck & Tractor Forklift Operators	11	87	11.48
Cutting, Punching, & Press Mach Setters, Operators, & Tenders, Metal & Plastic	10	49	9.82
Refuse & Recyclable Material Collectors	11	32	9.81
Water & Liquid Waste Treatment Plant & System Operators	9	28	15.20
Supvsrs of Production & Operating Workers	8	17	25.32
Inspectors, Testers, Sorters, Samplers, & Weighers	10	17	12.47
Maintenance & Repair Workers, General	10	16	18.36
Shipping, Receiving, & Traffic Clerks	11	14	13.38

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #10 – Southwest Georgia

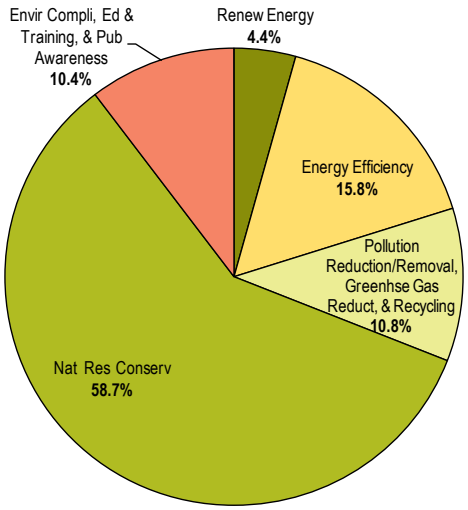


Includes the following counties in the vicinity of the city of Albany: Baker, Calhoun, Colquitt, Decatur, Dougherty, Early, Grady, Lee, Miller, Mitchell, Seminole, Terrell, Thomas, and Worth

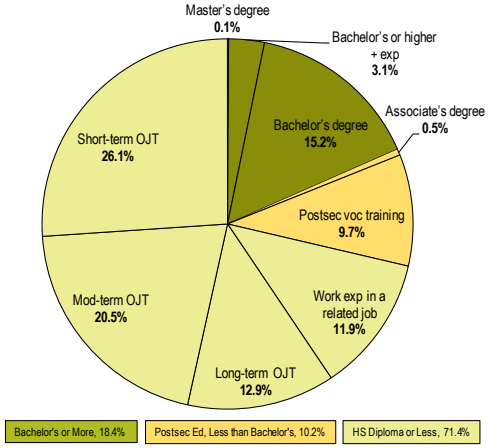
- Of the approximately 40,000 total green jobs in Georgia, 1,400, or almost three percent, are located in this region.
- These jobs can be found in all five green economic clusters, in six major industry sectors, and in 73 different occupations.
- This region's average wage of $19.69 for green jobs is nearly 20 percent higher than the average wage of $16.46 for all occupations.
- At nearly 59 percent, this region's share of natural resources conservation green employment is the largest for any region.
- Over 65 percent of the green jobs found in this region are in goods-producing industry sectors. Of the seven industries found to have green jobs, the agriculture sector has the most employment.

Nearly one percent of all jobs in Service Delivery Region #10 are green, roughly the same percentage as in the state as a whole.

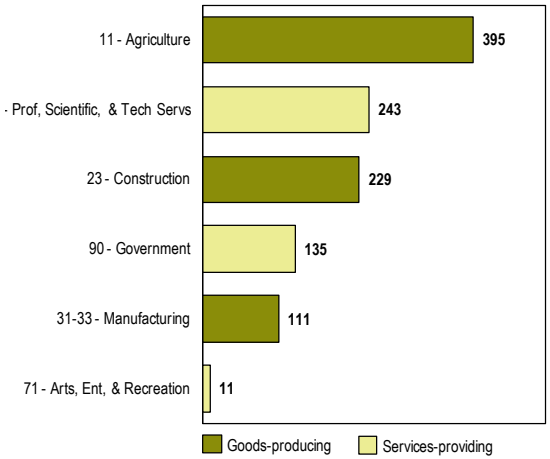
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Farmworkers & Laborers, Crop, Nursery, & Greenhouse	11	159	9.84
Heat, Air Cond, & Refrig Mechanics & Installers	7	95	17.00
Forest Fire Inspectors & Prevention Specialists	8	88	N/A
Forest & Conservation Workers	10	72	N/A
Zoologists & Wildlife Biologists	5	N/A	N/A
Agricultural Equipment Operators	11	48	N/A
Compliance Officers, Exc Agriculture, Construction, Health & Safety, & Transportation	9	47	23.92
Pesticide Handlers, Sprayers, & Applicators, Vegetation	10	43	N/A
Conservation Scientists	5	42	N/A
Carpenters	9	39	14.83

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #11 – Southern Georgia

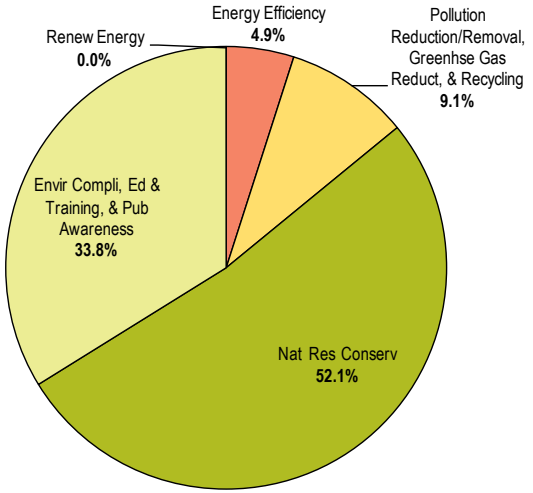


Includes the following counties in the vicinity of the cities of Valdosta and Douglas: Atkinson, Bacon, Ben Hill, Berrien, Brantley, Brooks, Charlton, Clinch, Coffee, Cook, Echols, Irwin, Lanier, Lowndes, Pierce, Tift, Turner, and Ware

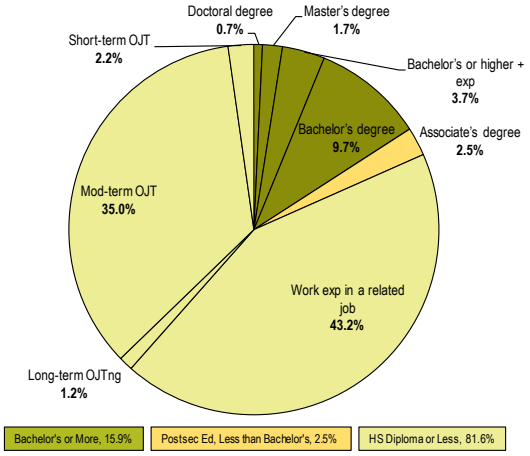
- Of the approximately 40,000 total green jobs in Georgia, 525, or a little over one percent, are located in this region.
- These jobs can be found in every green economic cluster except renewable energy, in sever major industry sectors, and in 18 different occupations.
- The $19.20 mean hourly wage for green jobs in this region is more than 23 percent higher than the mean hourly wage of $15.58 for all occupations combined.
- This region is one of three with wages in green jobs exceeding the regional average by more than 20 percent.
- One-third of all green jobs in SDR #11 are associated with environmental compliance, education & training, and public awareness, the largest share of this core area in any region.
- More than half of the green jobs in this region are in government.

Nearly one percent of all jobs in Service Delivery Region #11 are green, roughly the same percentage as in the state as a whole.

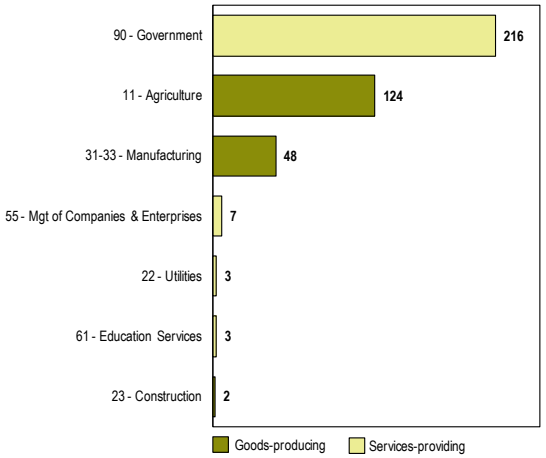
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Forest Fire Inspectors & Prevention Specialists	8	N/A	N/A
Forest & Conservation Workers	10	100	N/A
Foresters	5	38	N/A
General & Operations Managers	4	15	37.15
Cutting & Slicing Machine Setters, Operators, & Tenders	10	10	N/A
Landscaping & Groundskeeping Workers	11	9	10.99
Environmental Scientists & Specialists, Incl Health	3	7	17.87
Forest & Conservation Technicians	6	5	20.24
Water & Liquid Waste Treatment Plant & System Operators	9	5	13.96
Electrical & Electronic Engineering Technicians	6	4	20.19

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT

Service Delivery Region #12 – Coastal Georgia

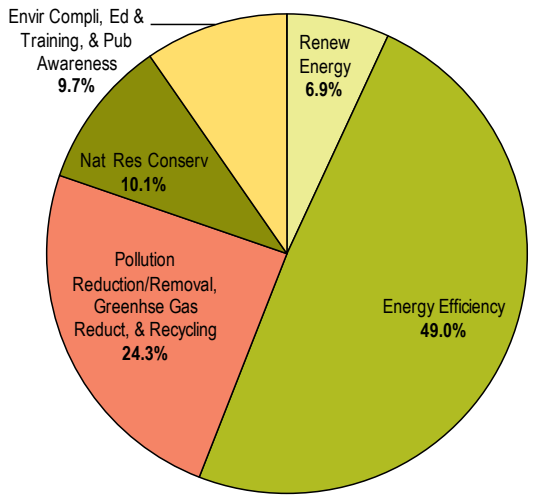


Includes the following counties in the vicinity of the cities of Savannah and Brunswick: Bryan, Bulloch, Camden, Chatham, Effingham, Glynn, Liberty, Long, and McIntosh

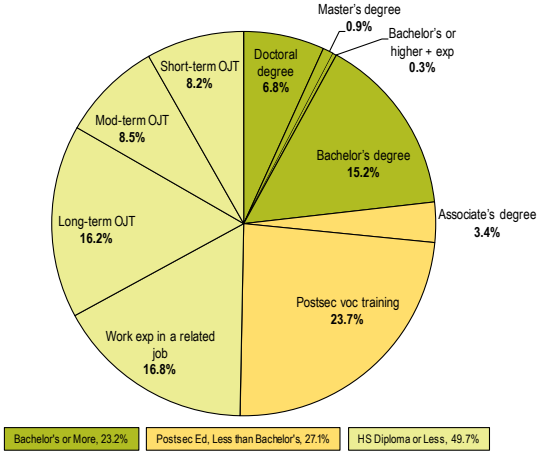
- Of the approximately 40,000 total green jobs in Georgia, 1,680, or over three percent, are located in this region.
- These jobs can be found in all five green economic clusters, in nine major industry sectors, and in 35 different occupations.
- The average wage of $21.60 for all green jobs is more than 16 percent higher than the $ 18.61 average wage for all occupations in this region.
- Nine industry sectors in this region have green jobs, 61 percent of which are goods-producing.
- Out of 35 green jobs in this region, eleven typically require a bachelor's degree or more.

Nearly one percent of all jobs in Service Delivery Region #12 are green, roughly the same percentage as in the state as a whole.

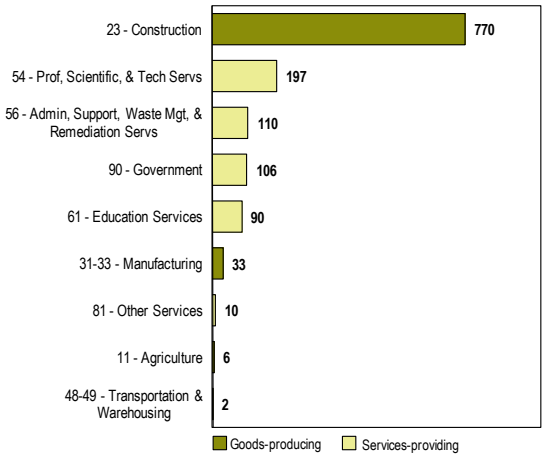
Employment by Green Core Area



Green Employment by Job Prep Level



Green Jobs by Industry Sector



Top Ten Green Jobs

Occupation	Job Prep Level	Employment	Average Hourly Wage
Heat, Air Cond, & Refrig Mechanics & Installers	7	284	17.92
Supvsrs of Construction Trades & Extraction Workers	8	165	26.85
Electricians	9	123	21.33
Civil Engineers	5	95	32.53
Vocational Education Teachers, Postsec	2	90	22.75
Janitors & Cleaners, Exc Maids & Housekeeping Cleaners	11	79	10.02
Architects, Except Landscape & Naval	5	63	36.90
Forest Fire Inspectors & Prevention Specialists	8	48	N/A
Forest & Conservation Technicians	6	41	N/A
Carpenters	9	33	19.00

Job Prep Levels

1. First Prof Degree
2. Doctoral Degree
3. Master's Degree
4. Bachelor's or Higher + Exp
5. Bachelor's Degree
6. Associate's Degree
7. Postsec Voc-tech Training
8. Work Exp in a Related Job
9. Long-term OJT
10. Moderate-term OJT
11. Short-term OJT