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(NOTE: This release was reissued on March 22, 2012 to correct the first paragraph in the GGS Scope section. The first sentence should have read, “The GGS scope contained 25,513,300 jobs, or 20.0 percent of the nation's total employment.” None of the tables were affected by this error.)

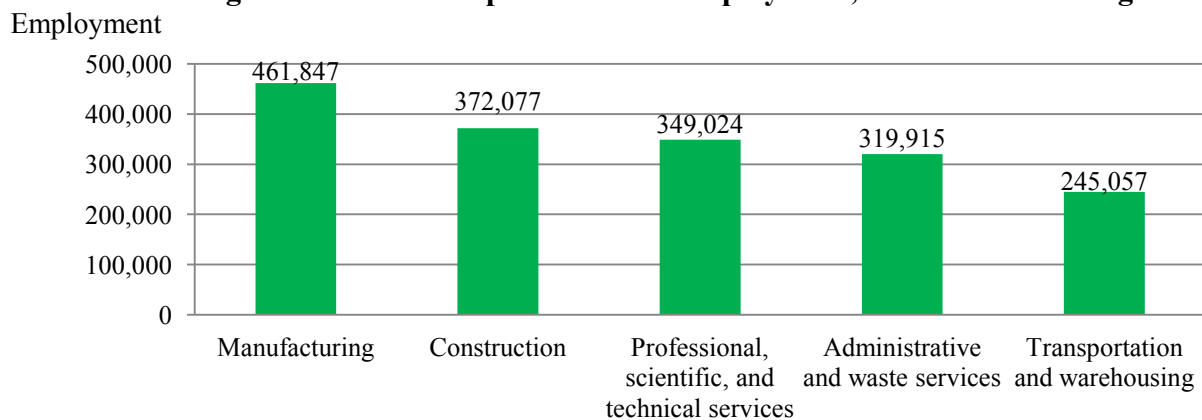
### **EMPLOYMENT IN GREEN GOODS AND SERVICES - 2010**

In 2010, 3.1 million jobs in the United States were associated with the production of green goods and services, the U.S. Bureau of Labor Statistics reported today. Green Goods and Services (GGS) jobs are found *in businesses that produce goods and provide services that benefit the environment or conserve natural resources*. GGS jobs accounted for 2.4 percent of total employment in 2010. The private sector had 2.3 million GGS jobs and the public sector had 860,300. Manufacturing had 461,800 GGS jobs, the most among any private sector industry. (See table 1.)

Among the states, California had the largest number of GGS jobs (338,400), accounting for 2.3 percent of employment in the state. Vermont had the highest proportion of GGS employment at 4.4 percent; the District of Columbia had the second highest at 3.9 percent. (See table 4.)

The GGS employment data are compiled through the Green Goods and Services survey under the Quarterly Census of Employment and Wages (QCEW) program. The GGS survey includes approximately 120,000 business and government establishments within 333 industries that are identified as potentially producing green goods or providing green services. Establishments in the sample report whether they produced green goods and services and the percentage of their revenue or employment associated with that output. Those percentages are multiplied by their employment to derive the number of GGS jobs for the establishment. More information about the survey is provided in the Technical Note.

**Chart 1. Green goods and services private sector employment, 2010 annual averages**



## Private Industry

The private sector had 2,268,800 total GGS jobs in 2010. The manufacturing industry had the greatest number of GGS private jobs (461,800). (See table A.) These jobs were 4.0 percent of manufacturing employment. Examples of green goods and services produced by manufacturing industries include iron and steel from recycled inputs, air conditioning and refrigeration equipment meeting selected standards, hybrid cars and parts, and pollution mitigation equipment.

Construction had 372,100 GGS jobs, comprising 6.8 percent of construction employment. Among the GGS activities performed within this industry are the construction of plants that produce energy from renewable sources and weatherizing and retrofitting projects that reduce household energy consumption.

Professional, scientific, and technical services had 349,000 GGS jobs, accounting for 4.7 percent of the industry's employment. Industries within professional, scientific, and technical services that have GGS output include engineering and architectural services, computer systems design, and management and consulting services.

Administrative and waste services accounted for 319,900 GGS jobs, 4.3 percent of industry employment. Waste collection and remediation services are examples of GGS services within administrative and waste services.

**Table A. GGS employment level and share of total, by private industry, 2010 annual averages**

NAICS	Industry	GGS employment	GGS percent <sup>1</sup>
	Total, all private industries	2,268,824	2.1
11,21	Natural resources and mining	65,050	3.6
22	Utilities	65,664	11.9
23	Construction	372,077	6.8
31-33	Manufacturing	461,847	4.0
42,44-45	Trade	202,370	1.0
48-49	Transportation and warehousing	245,057	6.2
51	Information	37,163	1.4
52,53	Financial activities	190	0.0
54	Professional, scientific, and technical services	349,024	4.7
55	Management of companies and enterprises	34,711	1.9
56	Administrative and waste services	319,915	4.3
61,62	Education and health services	37,069	0.2
71,72	Leisure and hospitality	22,510	0.2
81	Other services, except public administration	56,174	1.3

<sup>1</sup> GGS percent is the percentage of the GGS employment compared to the 2010 average annual employment data from the Quarterly Census of Employment and Wages.

NOTE: Data may not add to total due to rounding.

## **Utilities**

In private industry, the utilities industry accounted for 65,700 GGS jobs, or 11.9 percent of total private utilities employment. Among the industries involved in private sector electric power generation, nuclear power had the highest GGS employment with 35,800 jobs in 2010. Hydroelectric power generation had 3,700 total private GGS jobs in 2010. (See tables 2 and 3.)

The other electric power generation industry, which includes electricity generated from biomass, sunlight, wind, and other renewable sources, had 4,700 GGS private sector jobs. Within this industry, electricity generated from wind had the highest employment with 2,200 jobs, followed by biomass with 1,100 jobs, geothermal with 600 jobs, and solar with 400 jobs.

## **Government**

The public sector had 860,300 GGS jobs in 2010, or 4.0 percent of public sector employment. Local government had the largest portion of GGS employment in the public sector, with 476,500 GGS jobs representing 3.4 percent of total local government employment. The transportation and warehousing sector, which encompasses mass transit systems, had the largest GGS employment in local government with 228,900 GGS jobs. (See table 2.)

State government had 227,100 GGS jobs accounting for 4.9 percent of state government employment. The public administration sector was the largest industry in state government, having 141,700 GGS jobs in 2010. This industry includes the enforcement of environmental regulations and the administration of environmental programs.

The federal government had 156,700 GGS jobs representing 5.3 percent of federal government employment. As was the case with state government, most GGS jobs in federal government were in the public administration sector, which had 128,300 jobs. The leisure and hospitality sector, which includes national parks, had the second largest GGS employment in federal government with 13,500 jobs.

## **Geographic Detail**

The states with over 100,000 GGS jobs in 2010 were California (338,400), New York (248,500), Texas (229,700), Pennsylvania (182,200), Illinois (139,800), and Ohio (126,900). (See table 4.)

California had the highest GGS employment in the United States, with 338,400 GGS jobs representing 2.3 percent of the state's total employment. Construction had the largest number of private sector GGS jobs in California (39,600), followed by administrative and waste services (39,300); professional, scientific, and technical services (39,200); and manufacturing (31,200). (See table 6.)

New York had 248,500 GGS jobs or 3.0 percent of the state's total employment. In New York, the transportation and warehousing industry had the largest amount of GGS jobs (32,000), followed by construction (21,100), professional, scientific, and technical services (20,600), and administrative and waste services (20,600).

Texas had 229,700 GGS jobs or 2.3 percent of the state's total employment. Professional, scientific, and technical services had the largest number of GGS jobs in the state (35,800), followed by construction (34,300) and manufacturing (27,400).

Vermont had the highest percentage of GGS total employment of any jurisdiction (4.4 percent). The District of Columbia had the next highest proportion of its employment in GGS jobs (3.9 percent).

## Background

### Definition

The BLS green jobs definition contains two components, an output-based approach and a process-based approach. Output-based jobs are jobs associated with producing goods or providing services that benefit the environment or conserve natural resources. Process-based jobs are jobs in which workers' duties involve making their establishment's production processes more environmentally friendly or use fewer natural resources.

This news release covers the output approach only. The process approach data will be released later this year.

The output based approach estimates the number of jobs associated with producing green goods or providing green services. The BLS output definition of GGS employment does not include workers from all industries. BLS identified 333 industries from the 1,193 detailed industries in the 2007 North American Industry Classification System (NAICS) that potentially provide goods and services that directly benefit the environment or conserve natural resources. These 333 industries, the GGS scope, consist of industries that may produce green goods and services within one or more of the following five groups:

1. *Energy from renewable sources.*
2. *Energy efficiency equipment, appliances, buildings and vehicles, and goods and services that improve the energy efficiency of buildings and the efficiency of energy storage and distribution.*
3. *Pollution reduction and removal, greenhouse gas reduction, and recycling and reuse goods and services.*
4. *Organic agriculture; sustainable forestry; and soil, water, and wildlife conservation.*
5. *Governmental and regulatory administration; and education, training, and advocacy goods and services.*

The GGS scope was identified by BLS after consultations with industry groups, government agencies, stakeholders, and the public, which helped BLS identify industries that potentially provide green goods or services. Not every activity or product in the industries within the GGS scope is considered green. An establishment classified in one of these 333 NAICS industries may produce only green goods, both green and non-green goods, or only non-green goods. Only the employment associated with the production of green goods and services within these selected industries is counted as GGS jobs. BLS recognizes that establishments producing green goods and services may fall outside of the GGS scope, and the associated employment will not be counted in the GGS survey results.

### GGs Scope

The GGS scope contained 25,513,300 jobs, or 20.0 percent of the nation's total employment. Of these jobs, GGS estimates that 3,129,100 jobs, or 2.4 percent of total employment, were related to producing goods and services that met the BLS GGS definition. (For more information regarding the GGS definition and methodology, please see the Technical Note.)

**Table B. Employment by frame, 2010 annual averages**

Aggregation	Employment level	Percent of total employment
Total US covered employment <sup>1</sup>	127,820,400	100.0
GGS in-scope <sup>1</sup>	25,513,300	20.0
GGS employment	3,129,100	2.4

<sup>1</sup>Source: Quarterly Census of Employment and Wages

## **Data Presentation**

Data includes GGS employment, GGS employment percentage, and total QCEW employment by industry and state. The total employment levels are from the Quarterly Census of Employment and Wages (QCEW). The QCEW includes all businesses with employees covered by state or federal unemployment insurance, which is approximately 95.3 percent of civilian wage and salary employment in the U.S.

## **For More Information**

The tables and charts included in this release contain data for the nation and for the 50 states and the District of Columbia. Data for 2010 green employment levels and percents for all states are provided in tables 4, 5, and 6 of this release.

For additional information about the Green Goods and Services data, please read the Technical Note. Further information about the GGS data may be obtained by calling (202) 691-5185 or by accessing the GGS website at [www.bls.gov/ggs](http://www.bls.gov/ggs).

# Technical Note

This release presents statistics from the Green Goods and Services program (GGS). GGS employment level and rate estimates are published by state, ownership, and industry. Data for GGS are collected and compiled by the Bureau of Labor Statistics from a sample of business and government establishments in selected industries with workers covered by state and federal unemployment insurance (UI) legislation provided by State Workforce Agencies (SWAs).

## Collection

In an annual survey of business establishments, data are collected for employment, fiscal year, and the share of revenue or employment associated with production of green goods or services at the establishment level. Data collection methods include mail, computer-assisted telephone interviewing, web, and fax.

## Coverage

BLS sampled from 333 North American Industrial Classification System (NAICS) industries identified as potential producers or providers of green goods and services. The GGS survey covers all private establishments in these industries, such as factories, offices, and stores, as well as federal, state, and local government entities in the 50 states and the District of Columbia. For a list of these industries, please refer to the GGS Web site at [www.bls.gov/ggs](http://www.bls.gov/ggs).

## Concepts

**Green Goods and Services.** Green goods and services are defined as goods and services produced by an establishment that benefit the environment or conserve natural resources. Green goods and services fall into one or more of the following five groups: (1) production of energy from renewable sources; (2) energy efficiency; (3) pollution reduction and removal, greenhouse gas reduction, and recycling and reuse; (4) natural resources conservation; and (5) environmental compliance, education and training, and public awareness.

**Industry classification.** The industry classifications in this release are in accordance with the 2007 version of the North American Industry Classification System (NAICS). Only the 333 industries identified by BLS as producing green goods and providing green services are included in the scope of the GGS survey. To ensure the highest possible quality of data, the Quarterly Census of Employment and Wages (QCEW) program verifies with employers and updates, if necessary, the NAICS code, location, and ownership classification of all establishments on a 3-year cycle. Changes in establishment characteristics resulting from the verification process are annually introduced into the GGS sampling frame.

**Green Goods and Services jobs.** GGS jobs are those associated with producing green goods or providing green services. Some businesses produce multiple products and services where one or more may be included in the BLS definition. For these cases, BLS determined from prior research that businesses often have difficulty providing employment associated with the production of green goods and services, while information on the revenue from the sale of the green goods or services is more readily available and less burdensome for the respondent to provide. The percentage of the establishment's revenue related to sale of green goods and services is used to estimate GGS jobs, which are defined as employment related to the production of green goods and services at the establishment level. Sampled establishments that do not generate revenue are asked to report the share of their employment involved with the production of green goods and services. For example, employment related to research and development, non-profit organizations, government agencies, and new businesses may provide green goods and services without generating income.

**Employment.** Employment includes persons on the payroll who worked or received pay for the pay period that includes the twelfth day of the reference

month. Full-time, part-time, permanent, short-term, seasonal, salaried, and hourly employees are included, as are employees on paid vacations or other paid leave. Proprietors or partners of unincorporated businesses, unpaid family workers, or persons on leave without pay or on strike for the entire pay period, are not counted as employed. Employees of temporary help agencies, employee leasing companies, outside contractors, and consultants are counted by their employer of record, not by the establishment where they are working. The monthly employment figure provided by respondents will be compared to employment data BLS has on file as part of the QCEW program, which comprise BLS' business register, in order to verify that data are being collected for the correct establishment.

**Estimates.** Estimates of GGS employment and GGS percent of total QCEW employment are released with the annual GGS news release.

### **Sample and estimation methodology**

**Sample.** BLS selects approximately 120,000 GGS establishments per year from the Quarterly Census of Employment and Wages (QCEW) program. This program includes all employers subject to state Unemployment Insurance (UI) laws and federal agencies subject to Unemployment Compensation for Federal Employees (UCFE). Most of these establishments are selected from the second quarter QCEW sample frame, while a small sample of new business establishments is selected from the third and fourth quarters. The sample is designed to estimate GGS employment at both national industry and state industry sector levels of detail.

Beginning in the second year of collection, the GGS sample will be divided into three panels, each containing approximately 40,000 sample units. Two of the three panel samples will overlap with the previous year's sample to produce estimates of change in green employment. The panel that does not overlap will have a new sample allocated and selected.

**Estimation.** A Horvitz-Thompson estimator is used to estimate GGS employment.

GGS percentage estimates are relative to the QCEW employment of all industries contained within a particular estimation cell's NAICS code, not just the 333 industries included in the GGS scope. For GGS employment percentages, the estimate of GGS employment is divided by the 12-month average of QCEW employment over the reference period.

**Reliability.** GGS estimates are subject to both sampling and nonsampling error. Sampling error arises from selecting a sample of establishments rather than the entire business population. To measure this error, GGS uses a balanced repeated replication technique to calculate standard errors.

At the typical 90% level of confidence used in BLS analyses, there is approximately a 90% chance that GGS sample-based estimates of GGS employment will not differ from the true population totals by more than 1.645 standard errors. Thus, GGS calculates the width of its 90% confidence interval for total GGS employment as 1.645 multiplied by the standard error. The confidence interval width of the total GGS employment estimate is approximately 56,000.

There is about a 90% chance that the true population total of GGS employment falls within 56,000 of the GGS estimate. For the estimate of total green percentage, there is about a 90% chance that the GGS estimate is within 0.03%.

Nonsampling error arises from various sources, such as establishments failing to respond or misreporting data, coding and data processing errors and sample coverage. Since GGS only samples establishments in 333 industries predetermined to potentially have GGS employment, any green goods and services produced or provided in other industries is not captured. GGS is also subject to errors in the

sampling frame, in which some establishments' industry codes may be misclassified.

**Specialized Procedures.** GGS sampling methodology is coordinated with the Occupational Employment Statistics survey. Sampling overlap between the two surveys is maximized for additional inference to be made about green staffing patterns.

Such inferences are not included as part of this GGS release.

### **Other information**

Information in this release will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: (800) 877-8339.



**Table 1. Green Goods and Services (GGS) employment by industry sector, 2010 annual averages**

Industry	NAICS <sup>1</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>
Total, all industries.....		3,129,112	2.4	127,820,442
Total private.....		2,268,824	2.1	106,201,232
Natural resources and mining.....	11,21	65,050	3.6	1,798,593
Utilities.....	22	65,664	11.9	551,287
Construction.....	23	372,077	6.8	5,489,499
Manufacturing.....	31-33	461,847	4.0	11,487,496
Trade.....	42,44-45	202,370	1.0	19,947,787
Transportation and warehousing.....	48-49	245,057	6.2	3,943,659
Information.....	51	37,163	1.4	2,703,886
Financial activities.....	52,53	190	0.0	7,401,812
Professional, scientific, and technical services.....	54	349,024	4.7	7,457,913
Management of companies and enterprises.....	55	34,711	1.9	1,854,778
Administrative and waste services.....	56	319,915	4.3	7,399,320
Education and health services.....	61,62	37,069	0.2	18,656,159
Leisure and hospitality.....	71,72	22,510	0.2	13,006,814
Other services, except public administration.....	81	56,174	1.3	4,349,563
Federal government.....		156,707	5.3	2,980,813
State government.....		227,103	4.9	4,606,001
Local government.....		476,479	3.4	14,032,396

1 North American Industry Classification System, 2007.

2 GGS employment is the number of jobs related to the production of Green Goods and Services.

3 GGS percent is the percentage of the GGS employment compared to the total employment. This value is derived by dividing the GGS employment by the total employment.

4 Source: Quarterly Census of Employment and Wages (QCEW) 2010 annual average.

5 Industries may not add to total because of unclassified employment in the QCEW. The unclassified NAICS sector is not shown separately, but it is included in the total.

NOTE: Data may not add to total or sub-total due to rounding.

**Table 2. Green Goods and Services (GGS) employment by ownership and industry sector, 2010 annual averages**

Industry	NAICS <sup>1</sup>	Private			Federal government			State government			Local government		
		GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>
Total, all industries.....		2,268,824	2.1	106,201,232	156,707	5.3	2,980,813	227,103	4.9	4,606,001	476,479	3.4	14,032,396
Natural resources and mining.....	11,21	65,050	3.6	1,798,593	— <sup>6</sup>	— <sup>6</sup>	3,665	1,740	77.2	2,255	— <sup>6</sup>	— <sup>6</sup>	1,476
Utilities.....	22	65,664	11.9	551,287	9,998	74.0	13,507	— <sup>6</sup>	— <sup>6</sup>	— <sup>6</sup>	99,790	41.1	242,879
Construction.....	23	372,077	6.8	5,489,499	— <sup>6</sup>	— <sup>6</sup>	5	— <sup>6</sup>	— <sup>6</sup>	75,449	— <sup>6</sup>	— <sup>6</sup>	107,960
Manufacturing.....	31-33	461,847	4.0	11,487,496	— <sup>6</sup>	— <sup>6</sup>	41,820	— <sup>6</sup>	— <sup>6</sup>	667	— <sup>6</sup>	— <sup>6</sup>	2,230
Trade.....	42,44-45	202,370	1.0	19,947,787	— <sup>6</sup>	— <sup>6</sup>	53,143	— <sup>6</sup>	— <sup>6</sup>	— <sup>6</sup>	— <sup>6</sup>	— <sup>6</sup>	7,160
Transportation and warehousing.....	48-49	245,057	6.2	3,943,659	— <sup>6</sup>	— <sup>6</sup>	669,733	22,038	41.5	53,110	228,874	85.1	269,101
Information.....	51	37,163	1.4	2,703,886	— <sup>6</sup>	— <sup>6</sup>	7,553	166	2.2	7,380	5,418	4.2	129,915
Financial activities.....	52,53	190	0.0	7,401,812	— <sup>6</sup>	— <sup>6</sup>	16,108	— <sup>6</sup>	— <sup>6</sup>	12,926	— <sup>6</sup>	— <sup>6</sup>	50,977
Professional, scientific, and technical services.....	54	349,024	4.7	7,457,913	— <sup>6</sup>	— <sup>6</sup>	71,122	1,573	8.0	19,664	— <sup>6</sup>	— <sup>6</sup>	18,487
Management of companies and enterprises.....	55	34,711	1.9	1,854,778	— <sup>7</sup>	— <sup>7</sup>	— <sup>7</sup>	— <sup>7</sup>	— <sup>7</sup>	— <sup>7</sup>	— <sup>7</sup>	— <sup>7</sup>	— <sup>7</sup>
Administrative and waste services.....	56	319,915	4.3	7,399,320	— <sup>6</sup>	— <sup>6</sup>	1,632	— <sup>6</sup>	— <sup>6</sup>	10,328	30,732	43.1	71,330
Education and health services.....	61,62	37,069	0.2	18,656,159	— <sup>6</sup>	— <sup>6</sup>	349,381	50,076	2.0	2,513,551	18,317	0.2	8,702,401
Leisure and hospitality.....	71,72	22,510	0.2	13,006,814	13,549	22.6	60,007	6,611	27.2	24,336	11,613	3.0	393,040
Other services, except public administration.....	81	56,174	1.3	4,349,563	— <sup>6</sup>	— <sup>6</sup>	8,172	— <sup>6</sup>	— <sup>6</sup>	3,194	2,574	5.7	45,320
Public administration.....	92	— <sup>8</sup>	— <sup>8</sup>	— <sup>8</sup>	128,304	7.6	1,684,928	141,689	7.6	1,870,180	77,696	1.9	3,989,959

1 North American Industry Classification System, 2007.

2 GGS employment is the number of jobs related to the production of Green Goods and Services.

3 GGS percent is the percentage of the GGS employment compared to the total employment. This value is derived by dividing the GGS employment by the total employment.

4 Source: Quarterly Census of Employment and Wages (QCEW) 2010 annual average.

5 Industries may not add to total because of unclassified employment in the QCEW. The unclassified NAICS sector is not shown separately, but it is included in the total.

6 Data do not meet BLS disclosure standards.

7 No government establishments are classified in this industry.

8 No private sector establishments are classified in this industry.

NOTE: Data may not add to total or sub-total due to rounding.

**Table 3. Green Goods and Services (GGS) private sector employment by detailed industry, 2010 annual averages**

Industry	NAICS <sup>1</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>
Total private.....		2,268,824	2.1	106,201,232
Natural resources and mining.....	11,21	65,050	3.6	1,798,593
Crop production.....	111	36,611	6.9	528,867
Oilseed and grain farming.....	1111	4,654	11.1	42,105
Vegetable and melon farming.....	1112	8,429	9.0	93,881
Fruit and tree nut farming.....	1113	12,176	6.6	183,733
Greenhouse and nursery production.....	1114	7,468	5.1	145,600
Other crop farming.....	1119	3,885	6.1	63,548
Animal production.....	112	8,365	3.7	225,138
Cattle ranching and farming.....	1121	3,852	2.9	132,878
Hog and pig farming.....	1122	1,901	6.7	28,189
Poultry and egg production.....	1123	1,849	4.7	38,993
Sheep and goat farming.....	1124	— <sup>6</sup>	— <sup>6</sup>	1,399
Aquaculture.....	1125	568	9.6	5,908
Other animal production.....	1129	— <sup>6</sup>	— <sup>6</sup>	17,772
Forestry and logging.....	113	11,103	19.8	56,152
Timber tract operations.....	1131	811	22.7	3,571
Forest nursery and gathering forest products.....	1132	767	26.0	2,949
Logging.....	1133	9,525	19.2	49,632
Agriculture and forestry support activities.....	115	8,971	2.7	328,600
Support activities for crop production.....	1151	4,431	1.5	287,480
Support activities for animal production.....	1152	89	0.3	27,087
Support activities for forestry.....	1153	4,451	31.7	14,033
Utilities.....	22	65,664	11.9	551,287
Utilities.....	221	65,664	11.9	551,287
Electric power generation, transmission, and distribution.....	2211	44,151	11.2	395,960
Electric power generation.....	22111	44,151	26.1	169,294
Hydroelectric power generation.....	221111	3,731	53.0	7,045
Nuclear electric power generation.....	221113	35,755	68.0	52,582
Other electric power generation.....	221119	4,665	55.9	8,344
Water, sewage, and other systems.....	2213	21,513	46.0	46,723
Water supply and irrigation systems.....	22131	16,154	43.1	37,450
Sewage treatment facilities.....	22132	4,973	67.8	7,338
Steam and air-conditioning supply.....	22133	387	20.0	1,935
Construction.....	23	372,077	6.8	5,489,499
Construction of buildings.....	236	81,950	6.7	1,226,917
Residential building construction.....	2361	32,545	5.6	577,060
Nonresidential building construction.....	2362	49,405	7.6	649,857
Heavy and civil engineering construction.....	237	31,178	3.8	811,123
Utility system construction.....	2371	22,532	5.9	380,665
Land subdivision.....	2372	2,408	4.7	51,338
Other heavy construction.....	2379	6,238	6.6	94,619
Specialty trade contractors.....	238	258,949	7.5	3,451,459
Building foundation and exterior contractors.....	2381	40,917	6.1	673,940
Building equipment contractors.....	2382	160,112	9.9	1,624,657
Building finishing contractors.....	2383	37,744	5.9	638,119
Other specialty trade contractors.....	2389	20,177	3.9	514,743
Manufacturing.....	31-33	461,847	4.0	11,487,496
Textile product mills.....	314	12,771	10.7	119,145
Textile furnishings mills.....	3141	12,141	21.2	57,297
Other textile product mills.....	3149	630	1.0	61,848
Wood product mfg.....	321	33,214	9.8	339,542
Sawmills and wood preservation.....	3211	426	0.5	82,493
Veneer, plywood, and engineered wood product mfg.....	3212	6,849	10.8	63,192
Veneer, plywood, and engineered wood product mfg.....	32121	6,849	10.8	63,192
Hardwood veneer and plywood mfg.....	321211	1,939	13.2	14,687
Softwood veneer and plywood mfg.....	321212	— <sup>6</sup>	— <sup>6</sup>	14,010
Engineered wood member mfg.....	321213	— <sup>6</sup>	— <sup>6</sup>	4,013
Truss mfg.....	321214	836	4.6	18,194
Reconstituted wood product mfg.....	321219	3,719	30.3	12,288
Other wood product mfg.....	3219	25,939	13.4	193,857
Millwork.....	32191	19,295	21.0	91,871
Wood window and door mfg.....	321911	16,509	36.7	45,001

See footnotes at end of table.

**Table 3. Green Goods and Services (GGS) private sector employment by detailed industry, 2010 annual averages — Continued**

Industry	NAICS <sup>1</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>
Other millwork, including flooring.....	321918	2,786	7.9	35,047
All other wood product mfg.....	32199	6,644	13.0	51,299
Manufactured home, mobile home, mfg.....	321991	4,275	22.3	19,154
Prefabricated wood building mfg.....	321992	2,369	17.7	13,419
Paper mfg.....	322	30,473	7.8	392,853
Pulp, paper, and paperboard mills.....	3221	30,473	27.3	111,667
Pulp mills.....	32211	1,069	17.9	5,960
Paper mills.....	32212	19,310	25.4	75,975
Paper, except newsprint, mills.....	322121	16,367	24.0	68,174
Newsprint mills.....	322122	2,943	37.7	7,800
Paperboard mills.....	32213	10,095	34.0	29,732
Petroleum and coal products mfg.....	324	3,087	2.8	110,972
Petroleum and coal products mfg.....	3241	3,087	2.8	110,972
Chemical mfg.....	325	28,779	3.7	785,283
Basic chemical mfg.....	3251	11,970	8.5	140,957
Agricultural chemical mfg.....	3253	775	2.2	35,757
Paint, coating, and adhesive mfg.....	3255	4,020	7.2	55,891
Paint and coating mfg.....	32551	2,612	7.1	36,613
Adhesive mfg.....	32552	1,407	7.3	19,278
Soap, cleaning compound, and toilet preparation mfg.....	3256	3,883	3.9	100,830
Soap and cleaning compound mfg.....	32561	3,883	7.6	51,330
Soap and other detergent mfg.....	325611	1,900	7.9	23,996
Polish and other sanitation good mfg.....	325612	1,982	8.7	22,712
Other chemical product and preparation mfg.....	3259	8,132	9.7	83,977
Printing ink mfg.....	32591	2,107	22.3	9,459
All other chemical product and preparation mfg.....	32599	6,025	8.9	67,533
Custom compounding of purchased resins.....	325991	2,318	15.2	15,240
Other miscellaneous chemical product mfg.....	325998	3,707	10.9	34,070
Plastics and rubber products mfg.....	326	5,471	0.9	623,259
Plastics product mfg.....	3261	1,370	0.3	501,690
Other plastics product mfg.....	32619	1,370	0.5	271,410
Plastics plumbing fixture mfg.....	326191	763	6.1	12,419
Resilient floor covering mfg.....	326192	607	13.4	4,544
Rubber product mfg.....	3262	4,101	3.4	121,569
Tire mfg.....	32621	2,403	4.6	52,001
Tire retreading.....	326212	2,403	36.3	6,620
Other rubber product mfg.....	32629	1,698	3.5	48,199
All other rubber product mfg.....	326299	1,698	7.3	23,220
Nonmetallic mineral product mfg.....	327	35,452	9.6	368,097
Clay product and refractory mfg.....	3271	5,090	12.6	40,385
Glass and glass product mfg.....	3272	8,171	10.3	78,992
Cement and concrete product mfg.....	3273	13,584	8.0	169,822
Lime and gypsum product mfg.....	3274	1,824	13.5	13,483
Other nonmetallic mineral product mfg.....	3279	6,782	10.4	65,415
All other nonmetallic mineral product mfg.....	32799	6,782	12.1	55,904
Mineral wool mfg.....	327993	5,297	32.8	16,160
Miscellaneous nonmetallic mineral products.....	327999	1,485	13.6	10,935
Primary metal mfg.....	331	66,902	18.5	361,211
Iron and steel mills and ferroalloy mfg.....	3311	43,658	50.9	85,809
Alumina and aluminum production.....	3313	9,002	16.7	54,054
Other nonferrous metal production.....	3314	6,716	11.6	58,038
Foundries.....	3315	7,526	6.8	111,092
Fabricated metal product mfg.....	332	33,090	2.6	1,276,933
Forging and stamping.....	3321	1,668	1.9	88,261
Architectural and structural metals mfg.....	3323	22,843	7.1	319,571
Plate work and fabricated structural product mfg.....	33231	8,166	5.6	146,417
Fabricated structural metal mfg.....	332312	8,166	10.7	76,664
Ornamental and architectural metal products mfg.....	33232	14,677	8.5	173,154
Metal window and door mfg.....	332321	14,677	28.9	50,699
Other fabricated metal product mfg.....	3329	8,578	3.5	245,857
Metal valve mfg.....	33291	6,656	8.3	80,316
Industrial valve mfg.....	332911	3,284	14.2	23,139
Plumbing fixture fitting and trim mfg.....	332913	936	9.7	9,634
Other metal valve and pipe fitting mfg.....	332919	2,436	15.0	16,223
All other fabricated metal product mfg.....	33299	1,922	1.2	165,540

See footnotes at end of table.

**Table 3. Green Goods and Services (GGS) private sector employment by detailed industry, 2010 annual averages — Continued**

Industry	NAICS <sup>1</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>
Fabricated pipe and pipe fitting mfg.....	332996	1,922	7.0	27,373
Machinery mfg.....	333	70,329	7.1	991,039
Ag, construction, and mining machinery mfg.....	3331	251	0.1	203,833
Commercial and service industry machinery.....	3333	8,112	8.8	92,198
Commercial and service industry machinery mfg.....	33331	8,112	8.8	92,198
Commercial laundry and drycleaning machinery mfg.....	333312	— <sup>6</sup>	— <sup>6</sup>	3,321
Other commercial, service industry mach mfg, ex laundry, off mach, optical equip.....	333311,5,9	— <sup>6</sup>	— <sup>6</sup>	60,193
Ventilation, heating, AC, and commercial refrigeration equipment mfg.....	3334	40,835	32.4	125,863
Ventilation, heating, AC, and commercial refrigeration equipment mfg.....	33341	40,835	32.4	125,863
Air purification equipment mfg.....	333411	7,637	48.5	15,740
Industrial and commercial fan and blower mfg.....	333412	1,822	17.5	10,389
Heating equipment, except warm air furnaces mfg.....	333414	4,872	30.5	15,955
AC, refrigeration, and forced air heating mfg.....	333415	26,505	31.6	83,778
Metalworking machinery mfg.....	3335	771	0.5	155,017
Turbine and power transmission equipment mfg.....	3336	20,360	22.4	90,989
Engine, turbine, and power transmission mfg.....	33361	20,360	22.4	90,989
Turbine and turbine generator set units mfg.....	333611	19,450	73.0	26,646
Engine and power transmission equipment mfg., excl. turbine mfg.....	333612,3	910	3.7	24,518
Computer and electronic product mfg.....	334	43,079	3.9	1,097,216
Computer and peripheral equipment mfg.....	3341	2,033	1.3	158,897
Communications equipment mfg.....	3342	3,742	3.2	115,903
Audio and video equipment mfg.....	3343	565	2.8	20,042
Semiconductor and electronic component mfg.....	3344	19,287	5.2	370,007
Navigational, measuring, electromedical, and control instruments mfg.....	3345	17,452	4.3	407,363
Navigational, measuring, electromedical, and control instruments mfg.....	33451	17,452	4.3	407,363
Automatic environmental control mfg.....	334512	2,566	14.1	18,141
Industrial process variable instruments.....	334513	5,206	9.3	55,976
Totalizing fluid meters and counting devices.....	334514	1,004	9.3	10,809
Electricity and signal testing instruments.....	334515	3,099	7.7	40,296
Analytical laboratory instrument mfg.....	334516	3,441	11.3	30,484
Other measuring and controlling device mfg.....	334519	2,137	7.3	29,464
Electrical equipment and appliance mfg.....	335	45,791	12.9	356,075
Electric lighting equipment mfg.....	3351	7,765	17.1	45,283
Electric lamp bulb and part mfg.....	33511	1,088	12.0	9,067
Lighting fixture mfg.....	33512	6,677	18.4	36,216
Residential electric lighting fixture mfg.....	335121	572	7.0	8,218
Nonresidential electric lighting fixture mfg.....	335122	4,695	24.6	19,101
Other lighting equipment mfg.....	335129	1,410	15.8	8,897
Household appliance mfg.....	3352	20,123	34.3	58,657
Small electrical appliance mfg.....	33521	433	3.5	12,368
Electric housewares and household fan mfg.....	335211	433	4.8	9,033
Major appliance mfg.....	33522	19,690	42.5	46,289
Household cooking appliance mfg.....	335221	83	0.8	10,690
Household refrigerator and home freezer mfg.....	335222	— <sup>6</sup>	— <sup>6</sup>	14,972
Household laundry equipment mfg.....	335224	— <sup>6</sup>	— <sup>6</sup>	— <sup>6</sup>
Other major household appliance mfg.....	335228	— <sup>6</sup>	— <sup>6</sup>	— <sup>6</sup>
Electrical equipment mfg.....	3353	8,304	6.2	134,292
Electrical equipment mfg.....	33531	8,304	6.2	134,292
Electric power and specialty transformer mfg.....	335311	4,086	17.0	23,978
Motor and generator mfg.....	335312	4,218	11.0	38,503
Other electrical equipment and component mfg.....	3359	9,599	8.1	117,843
Battery mfg.....	33591	5,918	24.6	24,017
Storage battery mfg.....	335911	— <sup>6</sup>	— <sup>6</sup>	13,170
Primary battery mfg.....	335912	— <sup>6</sup>	— <sup>6</sup>	10,847
All other electrical equipment and component mfg.....	33599	3,681	11.1	33,214
Miscellaneous electrical equipment mfg.....	335999	3,681	13.9	26,446
Transportation equipment mfg.....	336	38,522	2.9	1,327,169
Motor vehicle mfg.....	3361	9,701	6.4	152,750
Motor vehicle parts mfg.....	3363	18,854	4.5	415,325
Railroad rolling stock mfg.....	3365	8,978	48.8	18,402
Ship and boat building.....	3366	988	0.8	123,603
Furniture and related product mfg.....	337	14,888	4.2	356,094
Office furniture and fixtures mfg.....	3372	11,561	12.0	96,070
Other furniture related product mfg.....	3379	3,326	9.1	36,433

See footnotes at end of table.

**Table 3. Green Goods and Services (GGS) private sector employment by detailed industry, 2010 annual averages — Continued**

Industry	NAICS <sup>1</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>
Trade.....	42,44-45	202,370	1.0	19,947,787
Merchant wholesalers, durable goods.....	423	95,505	3.5	2,718,043
Misc. durable goods merchant wholesalers.....	4239	95,505	34.6	276,189
Miscellaneous store retailers.....	453	106,865	13.8	772,389
Used merchandise stores.....	4533	106,865	85.2	125,437
Transportation and warehousing.....	48-49	245,057	6.2	3,943,659
Water transportation.....	483	3,180	5.1	62,401
Sea, coastal, and Great Lakes transportation.....	4831	1,885	5.1	37,289
Inland water transportation.....	4832	1,295	5.2	25,113
Transit and ground passenger transportation.....	485	241,877	57.7	419,152
Urban transit systems.....	4851	31,638	76.7	41,250
Interurban and rural bus transportation.....	4852	16,677	90.6	18,398
School and employee bus transportation.....	4854	160,896	88.0	182,762
Charter bus industry.....	4855	22,747	76.6	29,680
Other ground passenger transportation.....	4859	9,919	12.5	79,432
Information.....	51	37,163	1.4	2,703,886
Publishing industries, except Internet.....	511	23,197	3.1	754,903
Newspaper, book, and directory publishers.....	5111	21,659	4.4	496,026
Software publishers.....	5112	1,538	0.6	258,877
Motion picture and sound recording industries.....	512	2,204	0.6	368,885
Motion picture and video industries.....	5121	2,204	0.6	352,302
Broadcasting, except Internet.....	515	9,297	3.2	293,533
Radio and television broadcasting.....	5151	9,155	4.4	210,060
Cable and other subscription programming.....	5152	142	0.2	83,473
Other information services.....	519	2,465	1.7	141,462
Other information services.....	5191	2,465	1.7	141,462
Financial activities.....	52,53	190	0.0	7,401,812
Securities, commodity contracts, investments.....	523	190	0.0	800,476
Professional, scientific, and technical services.....	54	349,024	4.7	7,457,913
Professional and technical services.....	541	349,024	4.7	7,457,913
Legal services.....	5411	4,147	0.4	1,114,734
Architectural and engineering services.....	5413	172,738	13.5	1,278,970
Engineering services.....	54133	100,847	11.6	867,547
Architectural and related services excl. engineering services.....	54131,2,5,6,7,8	71,891	17.8	403,937
Specialized design services.....	5414	3,035	2.7	113,023
Computer systems design and related services.....	5415	54,741	3.8	1,446,380
Management and technical consulting services.....	5416	71,225	7.0	1,013,992
Scientific research and development services.....	5417	41,214	6.6	620,945
Research and development in the physical, engineering, and life sciences.....	54171	41,214	7.3	562,529
Research and development in biotechnology.....	541711	4,625	3.4	136,640
Other physical and biological research.....	541712	36,589	8.6	425,890
Advertising, PR, and related services.....	5418	— <sup>6</sup>	— <sup>6</sup>	407,464
Other professional and technical services.....	5419	— <sup>6</sup>	— <sup>6</sup>	578,397
Management of companies and enterprises.....	55	34,711	1.9	1,854,778
Management of companies and enterprises.....	551	34,711	1.9	1,854,778
Management of companies and enterprises.....	5511	34,711	1.9	1,854,778
Administrative and waste services.....	56	319,915	4.3	7,399,320
Administrative and support services.....	561	35,027	0.5	7,043,417
Travel arrangement and reservation services.....	5615	536	0.3	188,734
Services to buildings and dwellings.....	5617	34,491	2.0	1,730,720
Waste management and remediation services.....	562	284,889	80.0	355,903
Waste collection.....	5621	116,293	83.8	138,842
Waste treatment and disposal.....	5622	77,517	81.1	95,559
Waste treatment and disposal.....	56221	77,517	81.1	95,559
Hazardous waste treatment and disposal.....	562211	28,897	77.5	37,296
Solid waste landfill.....	562212	31,954	84.7	37,739
Solid waste combustors and incinerators.....	562213	4,876	79.3	6,151
Other nonhazardous waste disposal.....	562219	11,791	82.0	14,373
Remediation and other waste management services.....	5629	91,078	75.0	121,501
Remediation services.....	56291	58,855	77.3	76,135
Materials recovery facilities.....	56292	10,948	88.4	12,385
All other waste management services.....	56299	21,275	64.5	32,982
Septic tank and related services.....	562991	13,313	68.1	19,559

See footnotes at end of table.

**Table 3. Green Goods and Services (GGS) private sector employment by detailed industry, 2010 annual averages — Continued**

Industry	NAICS <sup>1</sup>	GGS employment <sup>2</sup>	GGS percent <sup>3</sup>	Total employment <sup>4, 5</sup>
Miscellaneous waste management services.....	562998	7,962	59.3	13,423
Education and health services.....	61,62	37,069	0.2	18,656,159
Educational services.....	611	37,069	1.5	2,460,150
Leisure and hospitality.....	71,72	22,510	0.2	13,006,814
Museums, historical sites, zoos, and parks.....	712	22,510	17.7	127,527
Museums, historical sites, zoos, and parks.....	7121	22,510	17.7	127,527
Other services, except public administration.....	81	56,174	1.3	4,349,563
Repair and maintenance.....	811	23,203	2.0	1,135,118
Automotive repair and maintenance.....	8111	8,454	1.1	797,591
Electronic equipment repair and maintenance.....	8112	6,005	6.2	96,898
Commercial machinery repair and maintenance.....	8113	5,307	3.1	173,273
Household goods repair and maintenance.....	8114	3,437	5.1	67,356
Membership associations and organizations.....	813	32,972	2.5	1,313,677
Grantmaking and giving services.....	8132	3,789	3.0	124,667
Social advocacy organizations.....	8133	20,704	10.8	191,570
Professional and similar organizations.....	8139	8,479	2.0	424,989

1 North American Industry Classification System, 2007.

2 GGS employment is the number of jobs related to the production of Green Goods and Services. This table reflects private ownership only.

3 GGS percent is the percentage of the GGS employment compared to the total employment. This value is derived by dividing the GGS employment by the total employment.

4 Source: Quarterly Census of Employment and Wages (QCEW) 2010 annual average.

5 Industries may not add to total because of unclassified employment in the QCEW. The unclassified NAICS sector is not shown separately, but it is included in the total.

6 Data do not meet BLS disclosure standards.

NOTE: Data may not add to total or sub-total due to rounding.

**Table 4. Green Goods and Services (GGS) employment by state, 2010 annual averages**

State	Total, all ownerships			Private ownership		
	GGS employment <sup>1</sup>	GGS percent <sup>2</sup>	Total employment <sup>3</sup>	GGS employment <sup>1</sup>	GGS percent <sup>2</sup>	Total employment <sup>3</sup>
United States.....	3,129,112	2.4	127,820,442	2,268,824	2.1	106,201,232
Alabama.....	44,288	2.4	1,813,155	28,863	2.0	1,444,072
Alaska.....	11,460	3.6	316,691	6,657	2.8	237,454
Arizona.....	49,717	2.1	2,356,789	28,815	1.5	1,958,428
Arkansas.....	33,280	2.9	1,134,071	26,479	2.9	928,522
California.....	338,445	2.3	14,414,461	230,758	1.9	12,044,614
Colorado.....	72,452	3.3	2,176,986	54,453	3.0	1,802,165
Connecticut.....	39,207	2.5	1,595,713	31,782	2.3	1,353,600
Delaware.....	7,978	2.0	399,078	7,033	2.1	338,605
District of Columbia.....	26,941	3.9	693,274	12,021	2.7	447,938
Florida.....	95,963	1.3	7,109,630	81,954	1.4	6,044,806
Georgia.....	81,996	2.2	3,753,934	64,810	2.1	3,084,772
Hawaii.....	15,583	2.7	586,772	11,463	2.5	465,119
Idaho.....	22,192	3.7	605,571	13,826	2.8	492,915
Illinois.....	139,830	2.5	5,502,322	103,344	2.2	4,686,483
Indiana.....	67,948	2.5	2,709,831	57,467	2.5	2,304,768
Iowa.....	39,097	2.7	1,436,340	32,075	2.7	1,201,166
Kansas.....	27,856	2.1	1,297,779	23,059	2.2	1,047,456
Kentucky.....	32,096	1.9	1,712,178	24,925	1.8	1,403,521
Louisiana.....	34,289	1.9	1,832,357	26,816	1.8	1,481,210
Maine.....	13,925	2.4	577,790	11,184	2.3	478,849
Maryland.....	87,408	3.6	2,453,197	55,742	2.8	1,968,562
Massachusetts.....	79,307	2.5	3,149,169	64,462	2.4	2,733,361
Michigan.....	79,771	2.1	3,770,225	64,615	2.0	3,179,778
Minnesota.....	69,736	2.7	2,558,310	56,921	2.6	2,184,391
Mississippi.....	17,412	1.6	1,074,617	13,551	1.6	833,338
Missouri.....	65,205	2.5	2,573,703	41,226	1.9	2,142,941
Montana.....	14,545	3.5	419,231	8,031	2.4	334,866
Nebraska.....	17,703	2.0	896,936	13,106	1.8	736,906
Nevada.....	17,254	1.6	1,108,238	12,361	1.3	958,194
New Hampshire.....	11,502	1.9	600,697	10,319	2.0	513,531
New Jersey.....	76,025	2.0	3,735,703	52,878	1.7	3,135,081
New Mexico.....	21,267	2.7	781,694	13,016	2.2	592,879
New York.....	248,526	3.0	8,340,732	134,065	1.9	6,905,804
North Carolina.....	77,498	2.0	3,788,581	60,574	2.0	3,102,309
North Dakota.....	8,407	2.3	358,635	6,910	2.4	291,317
Ohio.....	126,855	2.6	4,908,571	97,027	2.3	4,169,532
Oklahoma.....	22,411	1.5	1,485,400	15,694	1.4	1,161,462
Oregon.....	54,953	3.4	1,598,173	37,642	2.9	1,318,288
Pennsylvania.....	182,193	3.3	5,472,171	149,377	3.1	4,742,319
Rhode Island.....	11,924	2.7	447,408	8,804	2.3	387,094
South Carolina.....	35,100	2.0	1,758,204	29,505	2.1	1,423,768
South Dakota.....	11,239	2.9	389,198	6,883	2.2	316,734
Tennessee.....	62,004	2.4	2,558,438	46,205	2.2	2,138,215
Texas.....	229,685	2.3	10,182,150	169,367	2.0	8,363,244
Utah.....	27,948	2.4	1,150,737	17,652	1.9	945,990
Vermont.....	12,884	4.4	293,058	9,308	3.9	240,237
Virginia.....	91,871	2.6	3,536,676	60,218	2.1	2,849,874
Washington.....	91,906	3.3	2,808,698	68,341	3.0	2,283,231
West Virginia.....	14,533	2.1	692,448	8,269	1.5	549,769
Wisconsin.....	59,463	2.3	2,633,572	54,771	2.4	2,246,531
Wyoming.....	8,031	3.0	271,151	4,197	2.0	205,226

1 GGS employment is the number of jobs related to the production of Green Goods and Services.

2 GGS percent is the percentage of the GGS employment compared to the total employment. This value is derived by dividing the GGS employment by the total employment.

3 Source: Quarterly Census of Employment and Wages (QCEW) 2010 annual average.

NOTE: Data may not add to total or sub-total due to rounding.



**Table 5. Green Goods and Services (GGS) private sector employment percent by state and industry sector, 2010 annual averages<sup>1</sup>**

State	Total private	Natural resources and mining	Utilities	Construction	Manufacturing	Trade	Transportation and warehousing	Information	Financial activities	Professional, scientific, and technical services	Management of companies and enterprises	Administrative and waste services	Education and health services	Leisure and hospitality	Other services, except public administration
United States...	2.1	3.6	11.9	6.8	4.0	1.0	6.2	1.4	0.0	4.7	1.9	4.3	0.2	0.2	1.3
Alabama.....	2.0	8.8	0.9	1.6	4.5	1.4	3.2	4.5	..2	2.3	..2	5.4	..2	..2	..2
Alaska.....	2.8	..2	16.7	5.7	..2	0.8	6.5	0.9	..2	12.7	..2	11.6	..2	0.6	3.4
Arizona.....	1.5	2.3	3.4	7.6	2.0	1.2	5.4	..2	..2	2.5	..2	1.3	..2	0.2	2.2
Arkansas.....	2.9	6.2	5.9	4.7	10.0	1.0	..2	3.0	..2	3.3	..2	4.0	..2	..2	..2
California.....	1.9	3.7	10.8	7.1	2.5	1.0	3.7	1.3	..2	3.9	..2	4.6	..2	0.2	1.3
Colorado.....	3.0	..2	3.2	6.9	9.2	1.3	6.6	1.4	..2	8.2	..2	6.0	..2	0.3	3.1
Connecticut.....	2.3	..2	50.9	5.9	3.1	0.7	21.4	..2	..2	4.0	..2	6.1	..2	0.3	..2
Delaware.....	2.1	..2	..2	7.5	..2	..2	26.8	..2	..2	3.2	..2	2.7	..2	..2	1.7
District of Columbia.....	2.7	..3	..2	3.0	..2	..2	..2	..2	..2	7.3	..2	1.0	..2	..2	3.3
Florida.....	1.4	3.3	7.9	6.0	2.3	0.6	2.9	0.4	..2	1.9	..2	3.9	..2	0.2	0.8
Georgia.....	2.1	6.6	8.1	4.8	6.1	1.0	2.0	..2	..2	4.7	..2	2.9	0.1	0.4	4.3
Hawaii.....	2.5	5.1	2.8	4.5	..2	1.1	17.0	1.5	..2	11.3	..2	3.6	..2	0.2	..2
Idaho.....	2.8	5.1	16.2	9.4	3.7	0.9	8.9	..2	..2	5.6	..2	5.6	..2	..2	2.6
Illinois.....	2.2	5.4	6.6	7.6	2.7	1.1	8.6	4.6	..2	4.5	..2	3.9	0.3	..2	0.8
Indiana.....	2.5	6.6	10.6	8.0	4.8	1.8	1.5	0.8	..2	5.8	..2	4.4	0.2	0.1	..2
Iowa.....	2.7	4.2	8.1	6.5	8.3	1.1	2.3	..2	..2	5.3	..2	2.9	0.1	..2	1.1
Kansas.....	2.2	2.7	26.4	7.1	3.9	0.9	8.4	0.9	..2	3.4	..2	3.5	..2	..2	..2
Kentucky.....	1.8	..2	3.6	9.1	3.2	1.4	0.7	0.4	..2	4.7	..2	3.4	..2	..2	..2
Louisiana.....	1.8	1.1	11.0	3.0	3.1	0.8	1.2	1.3	..2	4.6	..2	9.1	..2	..2	..2
Maine.....	2.3	9.8	45.9	8.0	2.8	1.0	7.0	4.2	..2	5.5	..2	7.0	..2	..2	2.0
Maryland.....	2.8	4.3	13.6	8.8	6.8	0.8	8.7	..2	..2	6.9	..2	5.2	0.3	0.2	0.6
Massachusetts...	2.4	6.0	28.7	7.2	4.0	0.7	14.6	..2	..2	2.9	..2	6.7	1.5	..2	1.0
Michigan.....	2.0	7.1	0.8	12.2	4.3	1.0	3.9	..2	..2	2.9	..2	3.1	0.0	0.1	1.6
Minnesota.....	2.6	6.4	5.5	8.4	5.3	1.0	13.7	1.3	..2	8.1	..2	4.8	..2	..2	1.4
Mississippi.....	1.6	5.1	10.2	3.1	1.3	0.7	2.2	2.6	..2	8.8	..2	6.1	..2	..2	..2
Missouri.....	1.9	5.4	3.4	4.3	3.7	1.3	6.7	..2	..2	6.3	..2	3.1	0.3	..2	0.9
Montana.....	2.4	..2	2.9	7.9	..2	1.0	10.7	..2	..2	8.2	..2	5.4	..2	..2	3.0
Nebraska.....	1.8	6.2	..2	5.4	3.7	0.7	2.7	..2	..2	1.7	..2	7.4	..2	..2	..2
Nevada.....	1.3	..2	5.5	3.8	3.1	1.2	6.4	..2	..2	1.3	..2	3.7	..2	..2	1.7
New Hampshire...	2.0	9.8	29.8	6.9	1.7	0.7	17.9	2.5	..2	6.7	..2	3.8	..2	..2	1.7
New Jersey.....	1.7	..2	2.3	3.8	2.5	0.7	12.2	..2	..2	2.6	..2	3.2	..2	0.2	0.6
New Mexico.....	2.2	..2	4.0	7.7	2.7	0.9	14.8	..2	..2	4.6	..2	3.7	..2	..2	3.6
New York.....	1.9	..2	2.5	6.9	3.3	0.7	14.9	1.1	..2	3.7	..2	5.0	0.4	0.3	0.8
North Carolina...	2.0	7.9	9.9	6.9	4.7	1.0	2.5	2.1	..2	2.9	..2	3.5	..2	..2	0.9
North Dakota...	2.4	1.5	..2	4.9	16.7	0.9	4.2	0.8	..2	2.3	..2	3.2	..2	..2	..2
Ohio.....	2.3	2.8	2.9	12.0	4.7	1.4	3.6	..2	..2	4.9	..2	4.7	..2	0.3	0.2
Oklahoma.....	1.4	..2	2.5	5.0	3.4	1.0	..2	..2	..2	2.6	..2	2.9	..2	..2	..2
Oregon.....	2.9	8.0	10.6	8.3	4.2	1.5	3.9	3.1	..2	7.7	..2	5.9	..2	0.3	2.8
Pennsylvania...	3.1	3.5	36.9	5.8	5.5	1.0	15.7	1.4	..2	9.1	..2	4.8	0.1	..2	0.8
Rhode Island.....	2.3	..2	..2	11.3	3.7	1.1	21.6	1.3	..2	4.8	..2	6.4	..2	..2	..2
South Carolina...	2.1	7.0	51.6	6.3	3.9	1.0	1.3	1.1	..2	0.9	..2	3.1	..2	0.1	1.4
South Dakota...	2.2	4.3	10.7	8.2	4.4	0.9	7.3	..2	..2	2.9	..2	7.0	..2	..2	..2
Tennessee.....	2.2	3.6	3.3	7.2	5.2	1.4	2.9	1.9	..2	4.5	..2	3.9	..2	0.1	1.0
Texas.....	2.0	1.2	22.7	6.1	3.4	1.0	1.9	..2	..2	6.3	..2	3.5	..2	0.1	2.0
Utah.....	1.9	..2	6.2	4.9	3.6	0.7	1.2	..2	..2	4.2	..2	5.6	..2	0.1	1.3
Vermont.....	3.9	6.6	..2	8.3	7.6	0.8	14.0	6.4	..2	16.3	..2	12.1	0.9	..2	0.9
Virginia.....	2.1	1.9	2.2	7.8	4.0	1.1	2.5	1.0	..2	4.5	..2	3.7	..2	..2	1.7
Washington.....	3.0	10.1	3.7	8.6	2.8	1.1	4.7	..2	..2	8.5	..2	11.0	0.1	..2	2.1
West Virginia...	1.5	..2	12.6	5.0	2.0	0.9	..2	1.8	..2	5.0	..2	6.7	..2	..2	..2

See footnotes at end of table.

**Table 5. Green Goods and Services (GGS) private sector employment percent by state and industry sector, 2010 annual averages<sup>1</sup> — Continued**

State	Total private	Natural resources and mining	Utilities	Construction	Manufacturing	Trade	Transportation and warehousing	Information	Financial activities	Professional, scientific, and technical services	Management of companies and enterprises	Administrative and waste services	Education and health services	Leisure and hospitality	Other services, except public administration
Wisconsin. . . . .	2.4	6.2	25.7	8.3	3.5	1.4	12.2	1.1	— <sup>2</sup>	3.9	— <sup>2</sup>	3.2	0.1	— <sup>2</sup>	0.7
Wyoming. . . . .	2.0	— <sup>2</sup>	1.9	5.5	3.1	1.2	— <sup>2</sup>	3.3	— <sup>2</sup>	9.0	— <sup>2</sup>	9.1	— <sup>2</sup>	— <sup>2</sup>	— <sup>2</sup>

1 GGS percent is the percentage of the GGS employment compared to the total employment. This value is derived by dividing the GGS employment (Table 6) by the Quarterly Census of Employment and Wages 2010 annual average employment for the corresponding state and industry sector.

2 Data do not meet BLS disclosure standards.

3 No private sector establishments are classified in this industry.

NOTE: Data may not add to total or sub-total due to rounding.

**Table 6. Green Goods and Services (GGS) private sector employment by state and industry sector, 2010 annual averages<sup>1</sup>**

State	Total private	Natural resources and mining	Utilities	Construction	Manufacturing	Trade	Transportation and warehousing	Information	Financial activities	Professional, scientific, and technical services	Management of companies and enterprises	Administrative and waste services	Education and health services	Leisure and hospitality	Other services, except public administration
United States...	2,268,824	65,050	65,664	372,077	461,847	202,370	245,057	37,163	190	349,024	34,711	319,915	37,069	22,510	56,174
Alabama.....	28,863	1,729	123	1,373	10,742	4,225	1,567	1,074	- <sup>2</sup>	2,214	- <sup>2</sup>	5,380	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Alaska.....	6,657	- <sup>2</sup>	358	915	- <sup>2</sup>	351	1,216	55	- <sup>2</sup>	1,755	- <sup>2</sup>	1,309	- <sup>2</sup>	191	342
Arizona.....	28,815	787	407	8,429	2,888	4,748	3,422	- <sup>2</sup>	- <sup>2</sup>	3,050	- <sup>2</sup>	2,475	- <sup>2</sup>	595	1,417
Arkansas.....	26,479	1,311	429	2,312	15,947	1,722	- <sup>2</sup>	456	- <sup>2</sup>	1,277	- <sup>2</sup>	2,128	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
California.....	230,758	15,160	6,138	39,644	31,186	21,474	14,730	5,564	- <sup>2</sup>	39,209	- <sup>2</sup>	39,327	- <sup>2</sup>	2,952	9,100
Colorado.....	54,453	- <sup>2</sup>	266	7,945	11,487	4,373	3,797	996	- <sup>2</sup>	13,678	- <sup>2</sup>	8,034	- <sup>2</sup>	751	2,036
Connecticut.....	31,782	- <sup>2</sup>	3,215	2,932	5,071	1,615	8,238	- <sup>2</sup>	- <sup>2</sup>	3,443	- <sup>2</sup>	4,764	- <sup>2</sup>	370	- <sup>2</sup>
Delaware.....	7,033	- <sup>2</sup>	- <sup>2</sup>	1,450	- <sup>2</sup>	- <sup>2</sup>	2,340	- <sup>2</sup>	- <sup>2</sup>	759	- <sup>2</sup>	567	- <sup>2</sup>	- <sup>2</sup>	219
District of Columbia.....	12,021	- <sup>3</sup>	- <sup>2</sup>	313	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>	7,278	- <sup>2</sup>	414	- <sup>2</sup>	- <sup>2</sup>	2,019
Florida.....	81,954	2,807	1,778	20,776	7,067	7,582	5,679	559	- <sup>2</sup>	8,122	- <sup>2</sup>	20,527	- <sup>2</sup>	1,585	1,960
Georgia.....	64,810	1,955	1,597	7,094	21,021	6,610	3,042	- <sup>2</sup>	- <sup>2</sup>	10,199	- <sup>2</sup>	7,457	234	1,319	3,962
Hawaii.....	11,463	331	89	1,273	- <sup>2</sup>	902	3,932	150	- <sup>2</sup>	2,733	- <sup>2</sup>	1,450	- <sup>2</sup>	187	- <sup>2</sup>
Idaho.....	13,826	1,208	442	2,941	1,955	890	1,483	- <sup>2</sup>	- <sup>2</sup>	1,765	- <sup>2</sup>	2,058	- <sup>2</sup>	- <sup>2</sup>	398
Illinois.....	103,344	1,361	1,538	15,062	14,851	9,503	18,321	4,698	- <sup>2</sup>	15,558	- <sup>2</sup>	14,000	2,380	- <sup>2</sup>	1,610
Indiana.....	57,467	1,276	1,592	9,216	21,577	7,351	1,545	271	- <sup>2</sup>	5,605	- <sup>2</sup>	6,692	819	306	- <sup>2</sup>
Iowa.....	32,075	769	552	4,023	16,655	2,695	1,151	- <sup>2</sup>	- <sup>2</sup>	2,226	- <sup>2</sup>	1,934	142	- <sup>2</sup>	473
Kansas.....	23,059	493	2,058	3,842	6,289	1,740	3,241	258	- <sup>2</sup>	2,077	- <sup>2</sup>	2,481	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Kentucky.....	24,925	- <sup>2</sup>	234	6,158	6,782	3,899	577	92	- <sup>2</sup>	3,224	- <sup>2</sup>	3,091	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Louisiana.....	26,816	644	1,040	3,587	4,320	2,342	775	313	- <sup>2</sup>	3,685	- <sup>2</sup>	8,195	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Maine.....	11,184	590	834	1,938	1,434	983	1,030	379	- <sup>2</sup>	1,281	- <sup>2</sup>	1,769	- <sup>2</sup>	- <sup>2</sup>	316
Maryland.....	55,742	277	1,324	12,510	7,806	3,042	5,413	- <sup>2</sup>	- <sup>2</sup>	15,517	- <sup>2</sup>	7,368	1,041	534	510
Massachusetts.....	64,462	468	2,993	7,738	10,088	3,068	10,057	- <sup>2</sup>	- <sup>2</sup>	7,099	- <sup>2</sup>	10,503	9,250	- <sup>2</sup>	1,387
Michigan.....	64,615	2,290	151	14,562	20,399	6,132	3,453	- <sup>2</sup>	- <sup>2</sup>	6,383	- <sup>2</sup>	7,416	110	419	1,914
Minnesota.....	56,921	1,505	700	7,326	15,448	3,974	9,843	684	- <sup>2</sup>	9,911	- <sup>2</sup>	5,799	- <sup>2</sup>	- <sup>2</sup>	1,188
Mississippi.....	13,551	966	787	1,533	1,707	1,127	830	319	- <sup>2</sup>	2,782	- <sup>2</sup>	3,087	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Missouri.....	41,226	813	429	4,618	8,929	5,392	5,299	- <sup>2</sup>	- <sup>2</sup>	7,684	- <sup>2</sup>	4,304	1,297	- <sup>2</sup>	754
Montana.....	8,031	- <sup>2</sup>	87	1,798	680	- <sup>2</sup>	1,115	- <sup>2</sup>	- <sup>2</sup>	1,533	- <sup>2</sup>	1,024	- <sup>2</sup>	- <sup>2</sup>	482
Nebraska.....	13,106	792	- <sup>2</sup>	2,269	3,349	1,018	1,009	- <sup>2</sup>	- <sup>2</sup>	728	- <sup>2</sup>	3,051	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Nevada.....	12,361	- <sup>2</sup>	239	2,225	1,189	1,850	2,890	- <sup>2</sup>	- <sup>2</sup>	607	- <sup>2</sup>	2,581	- <sup>2</sup>	- <sup>2</sup>	465
New Hampshire.....	10,319	220	749	1,486	1,089	881	2,124	283	- <sup>2</sup>	1,930	- <sup>2</sup>	1,039	- <sup>2</sup>	- <sup>2</sup>	324
New Jersey.....	52,878	- <sup>2</sup>	322	4,880	6,467	4,636	17,679	- <sup>2</sup>	- <sup>2</sup>	6,996	- <sup>2</sup>	7,645	- <sup>2</sup>	573	681
New Mexico.....	13,016	- <sup>2</sup>	176	3,388	797	1,053	2,340	- <sup>2</sup>	- <sup>2</sup>	2,480	- <sup>2</sup>	1,541	- <sup>2</sup>	- <sup>2</sup>	746
New York.....	134,065	- <sup>2</sup>	964	21,128	15,089	8,111	32,017	2,711	- <sup>2</sup>	20,630	- <sup>2</sup>	20,556	6,517	2,078	2,533
North Carolina.....	60,574	2,521	1,207	12,193	20,257	5,931	2,536	1,454	- <sup>2</sup>	5,310	- <sup>2</sup>	7,967	- <sup>2</sup>	- <sup>2</sup>	818
North Dakota.....	6,910	219	- <sup>2</sup>	1,037	3,757	567	468	60	- <sup>2</sup>	280	- <sup>2</sup>	372	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Ohio.....	97,027	680	586	20,200	29,443	11,028	5,615	- <sup>2</sup>	- <sup>2</sup>	11,636	- <sup>2</sup>	13,120	- <sup>2</sup>	1,455	345
Oklahoma.....	15,694	- <sup>2</sup>	284	3,344	4,194	2,231	- <sup>2</sup>	344	- <sup>2</sup>	1,628	- <sup>2</sup>	2,714	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Oregon.....	37,642	3,696	481	5,488	6,923	3,779	1,786	982	- <sup>2</sup>	5,336	- <sup>2</sup>	4,727	- <sup>2</sup>	430	1,723
Pennsylvania.....	149,377	1,686	8,051	12,597	30,974	8,270	31,187	1,306	- <sup>2</sup>	27,619	- <sup>2</sup>	12,932	605	- <sup>2</sup>	1,541
Rhode Island.....	8,804	- <sup>2</sup>	- <sup>2</sup>	1,809	1,481	669	1,883	128	- <sup>2</sup>	993	- <sup>2</sup>	1,490	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
South Carolina.....	29,505	886	6,221	5,032	8,144	2,880	586	286	- <sup>2</sup>	643	- <sup>2</sup>	3,924	- <sup>2</sup>	199	649
South Dakota.....	6,883	211	223	1,641	1,625	646	685	- <sup>2</sup>	- <sup>2</sup>	324	- <sup>2</sup>	898	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Tennessee.....	46,205	388	110	7,222	15,560	5,879	3,546	860	- <sup>2</sup>	4,792	- <sup>2</sup>	6,669	- <sup>2</sup>	285	684
Texas.....	169,367	3,170	10,963	34,308	27,445	17,002	6,855	- <sup>2</sup>	- <sup>2</sup>	35,835	- <sup>2</sup>	22,019	- <sup>2</sup>	915	5,734
Utah.....	17,652	- <sup>2</sup>	251	3,224	3,959	1,240	509	- <sup>2</sup>	- <sup>2</sup>	2,732	- <sup>2</sup>	3,839	- <sup>2</sup>	164	401
Vermont.....	9,308	204	- <sup>2</sup>	1,120	2,350	390	905	344	- <sup>2</sup>	2,210	- <sup>2</sup>	1,059	490	- <sup>2</sup>	79
Virginia.....	60,218	396	238	14,198	9,091	5,612	2,444	797	- <sup>2</sup>	17,200	- <sup>2</sup>	7,170	- <sup>2</sup>	- <sup>2</sup>	2,201
Washington.....	68,341	9,061	179	11,247	7,225	4,816	3,726	- <sup>2</sup>	- <sup>2</sup>	13,377	- <sup>2</sup>	14,266	313	- <sup>2</sup>	2,801
West Virginia.....	8,269	- <sup>2</sup>	708	1,636	980	996	- <sup>2</sup>	183	- <sup>2</sup>	1,227	- <sup>2</sup>	2,041	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>

See footnotes at end of table.

**Table 6. Green Goods and Services (GGS) private sector employment by state and industry sector, 2010 annual averages<sup>1</sup> — Continued**

State	Total private	Natural resources and mining	Utilities	Construction	Manufacturing	Trade	Transportation and warehousing	Information	Financial activities	Professional, scientific, and technical services	Management of companies and enterprises	Administrative and waste services	Education and health services	Leisure and hospitality	Other services, except public administration
Wisconsin. . . . .	54,771	1,509	2,821	7,865	14,928	5,584	10,385	505	- <sup>2</sup>	3,647	- <sup>2</sup>	4,085	310	- <sup>2</sup>	582
Wyoming. . . . .	4,197	- <sup>2</sup>	46	1,232	272	443	- <sup>2</sup>	129	- <sup>2</sup>	816	- <sup>2</sup>	658	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>

1 GGS employment is the number of jobs related to the production of Green Goods and Services. This table reflects private ownership only.

2 Data do not meet BLS disclosure standards.

3 No private sector establishments are classified in this industry.

NOTE: Data may not add to total or sub-total due to rounding.