

Bureau of Labor Statistics Green Jobs Initiative

Green Goods and Services (GGS)
2010 Survey Results



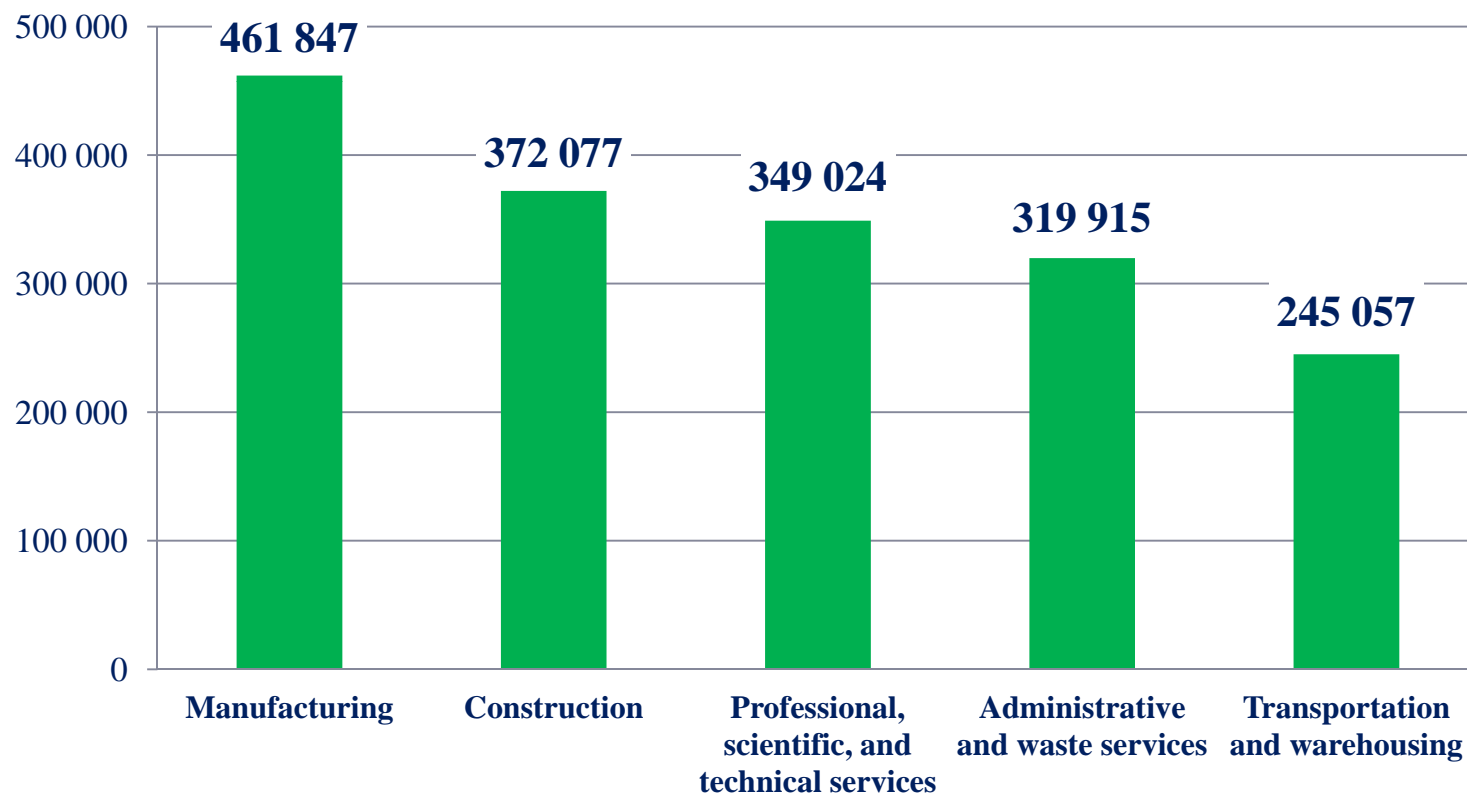
www.bls.gov

GGS Employment: US totals

- 3,129,100 Green Goods and Services (GGS) jobs in 2010
 - ▶ 2.4 percent of total employment
- 2,268,800 GGS jobs in private industry
 - ▶ 2.1 percent of total private
- 860,300 GGS jobs in government
 - ▶ 4.0 percent of total government

GGs Employment in Major Industries: Private Sector

Employment



GGG Employment: Private industry

1) Manufacturing	461,800
▶ 4.0% of manufacturing employment	
– Primary metal	66,900
• iron and steel recycling	
– HVAC equipment	40,800
• Air purification equipment	
• Air conditioning, refrigeration and forced air heating	
– Transportation equipment	38,500
• Motor vehicle parts	18,900
• Motor vehicle	9,700

GGG Employment: Private industry

2) Construction 372,100

▶ 6.8% of construction employment

- Specialty trade contractors 258,900
- Construction of buildings 82,000
- Heavy and civil engineering 31,200

- LEED-certified construction projects
- Retrofitting buildings for energy efficiency

GGGS Employment: Private industry

3) Professional, scientific and technical services
349,000

▶ 4.7 % of Prof, scientific and tech employment

- Engineering services 100,800
- Architectural services 71,900
- Mgt & technical consulting services 71,200
- Legal services 4,100

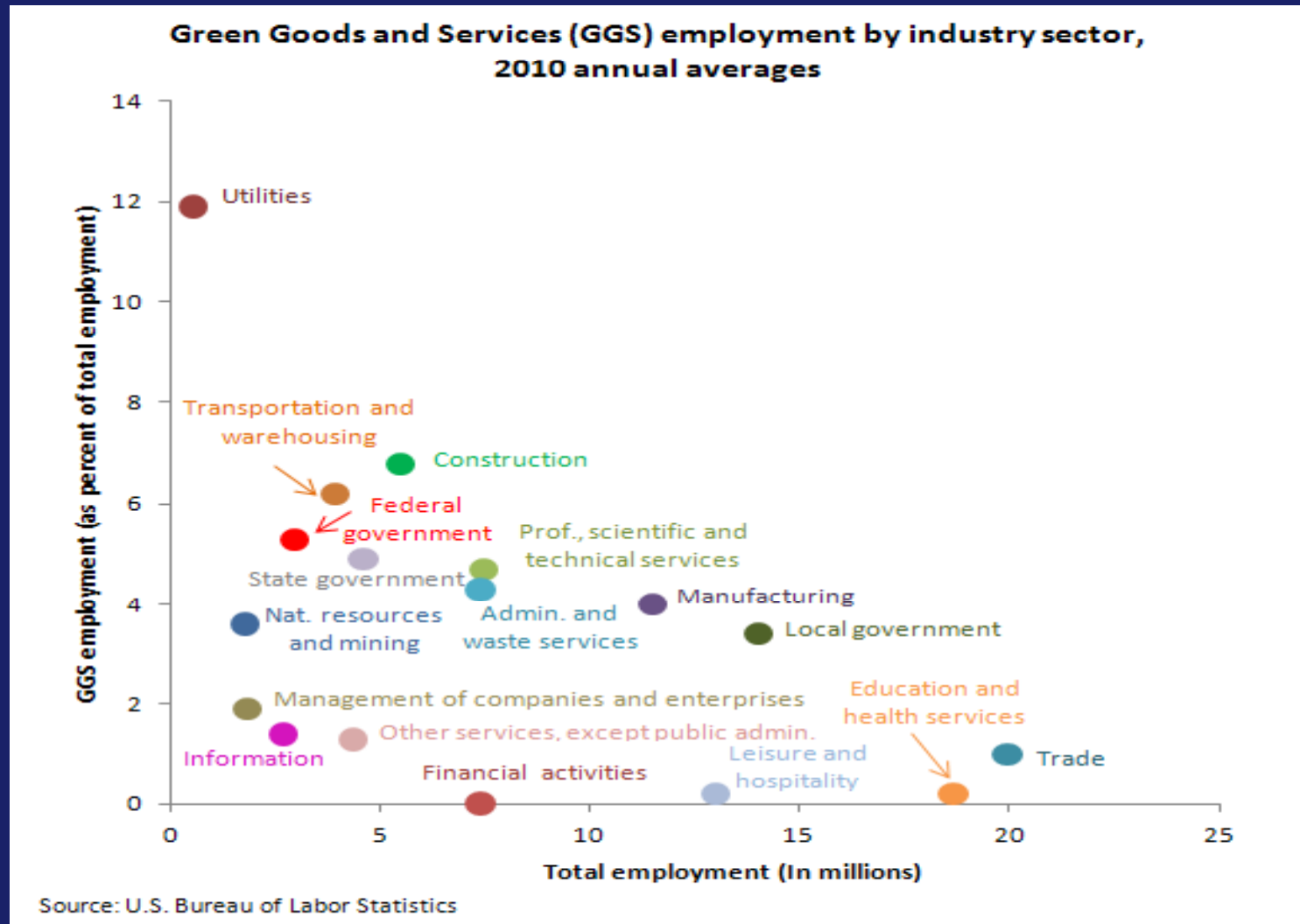
- Design and engineering for waste water plants, LEED buildings, etc.
- R&D in sciences related to the environment
- Legal services on environmental regulations

Electric Power Generation Employment: Private industry

■ Private	44,200
– Nuclear	35,800
– Hydroelectric	3,700
– Wind	2,200
– Biomass	1,100
– Geothermal	600
– Solar	400

This industry is limited to just those establishments that produce electric power for distribution.

GGs Employment as percent of total private employment

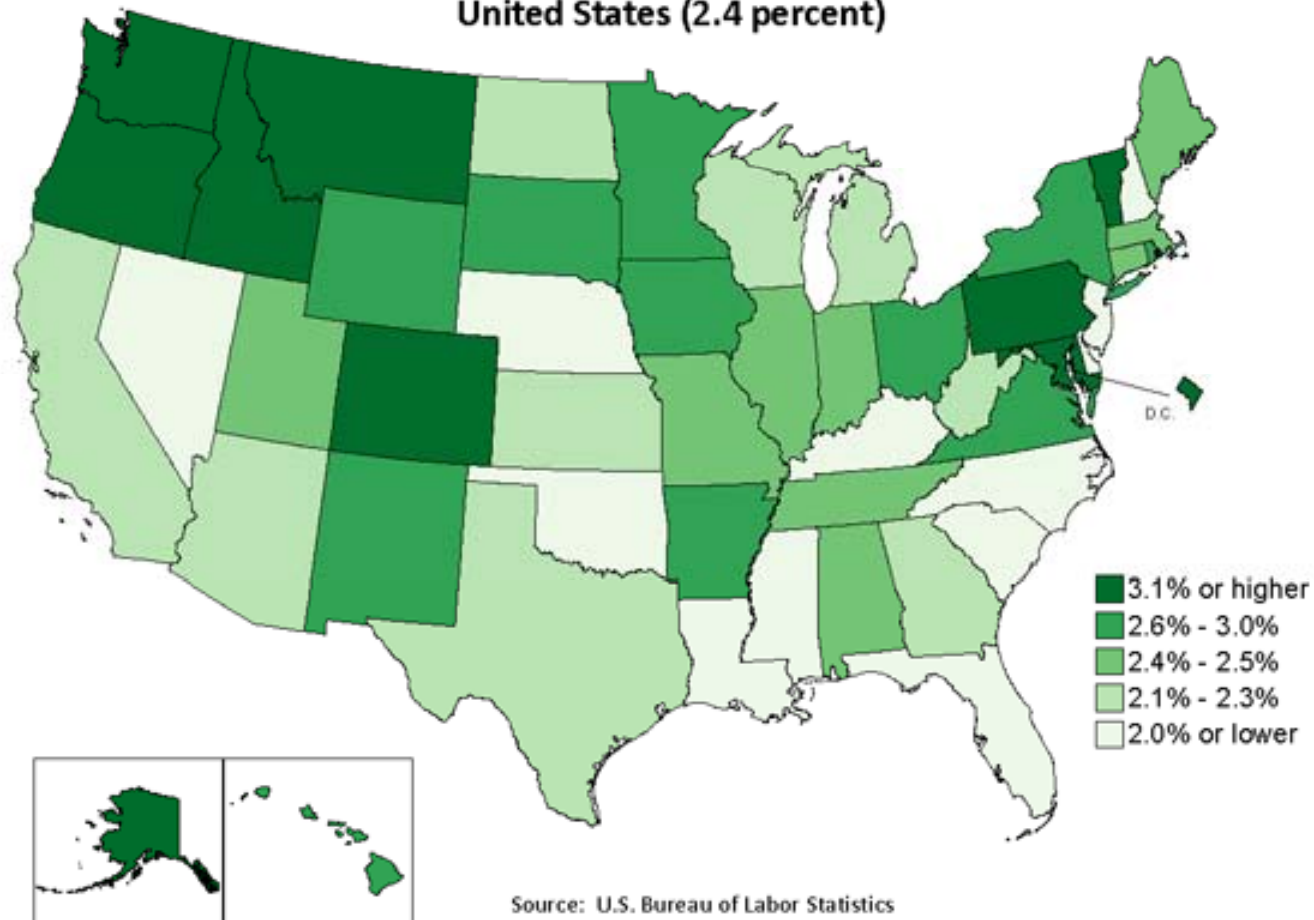


GGG Employment: Public

	Employment	Percent of Total
■ Government	860,300	4.0%
▶ Local	476,500	3.4%
– Transp. and warehousing	228,900	
– Utilities	99,800	
▶ State	227,100	4.9%
– Public administration	141,700	
– Education and Health	50,100	
▶ Federal	156,700	5.3%
– Public administration	128,300	
– Leisure and hospitality	13,500	

GGGS Employment: States

Green Goods and Services (GGS) employment by state,
as a percent of total state employment, 2010 annual averages
United States (2.4 percent)



GGGS Employment: States

- Top 5 States in percentage of total employment

▶ Vermont	4.4%
▶ District of Columbia	3.9%
▶ Idaho	3.7%
▶ Alaska	3.6%
▶ Maryland	3.6%

GGG Employment: States

■ <u>California</u>	338,400	2.3%
▶ Private industry	230,800	1.9%
– Construction	39,600	
– Admin and waste services	39,300	
■ <u>New York</u>	248,500	3.0%
▶ Private industry	134,100	1.9%
- Transportation & warehousing	32,000	
– Construction	21,100	

About GGS Employment

- First release
- Single observation; second observation to be published late March 2013
- All data are annual averages for 2010
- **Baseline** for measuring future trends

Measuring GGS Employment

- Sampled establishments in 333 industries
 - ▶ Forms present respondents with a description of green products or services classified in their industry. Samples of the GGS forms are here:
<http://www.bls.gov/respondents/ggs/forms.htm>
 - ▶ Additional guidance in terms of well-established standards
 - EnergyStar, WaterSense,
 - LEED, Green Globes
 - ANSI , ISO, NSF
 - Sustainable Forestry Initiative, Forest Stewardship Council
 - UL Environment

GGG Industry Scope

- The BLS definition covers 333 detailed industries (of 1,193 detailed industries NAICS 2007)
- Total US employment 127,820,400
- GGS Scope 25,817,100 20.1%
- **GGG Employment 3,129,100 2.4%**

US employment is based on the BLS Quarterly Census of Employment and Wages (QCEW)

Multiple Products or Services

- Many businesses have more than one product or service.
 - ▶ Request share of revenue accounted for by sale of green goods and services
 - ▶ Use share of revenue as proxy for share of employment

Share of Revenue

- Addresses the case of multiple products or services
- Allows for periodic or seasonal work in GGS defined products, services or projects
- Allows for allocating executive, administrative and other support employees

Share of Revenue

- Distribution of responses and employment by percent of revenue reported from the sale of green goods and services

	Units	Employment
■ No GGS revenue:	69%	0%
■ Some GGS revenue but < 100%:	17%	41%
■ 100% of revenue:	14%	59%

Contact information

Overview <http://www.bls.gov/green/>

Data <http://www.bls.gov/ggs/#news>

Form <http://www.bls.gov/respondents/ggs/forms.htm>

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