Connecticut Green Jobs Report

October, 2012



Job Openings for Green Energy Skills on the rise again.

Job postings with green energy skill requirements grew in demand during the 3rd quarter. Employers posted an average daily volume of 2,690 job openings (estimate). Jobs from green employers increased 37% compared to the 2nd quarter this year while job postings with green requirements from non-green employers increased 33%.

Table 1: Green Energy Job Openings, Connecticut*

Q/3, 12	Q/2, 12	Q/1, 12	Q/4, 11	Q/3,11
2,690	1,980	2,610	2,800	2,390

Year-over-year demand for green energy skills from green employers increased 37% while demand from non-green employers fell 20%.

Jobs fall 6,800; unemployment rate rises five-tenths to 9.0 percent.

WETHERSFIELD, September 20, 2012

Connecticut's employment conditions turned downbeat in August according to preliminary monthly employment statistics developed by the U.S. Bureau of Labor Statistics (BLS) and released by the Connecticut Department of Labor, Office of Research. Both the establishment survey (payroll job estimates) and the household based employment program (estimates of employment, unemployment and unemployment rate) indicate at least a significant slowing of job growth in Connecticut's labor market.

Nonfarm Jobs: Connecticut's August 2012 total nonfarm job estimate, seasonally adjusted, decreased by 6,800 positions or -0.4% to 1,624,800. Since August 2011, the state's job market has added 1,100 positions, or 0.1% growth. This is the fourth monthly job loss in 2012, along with three months of gains and one month with no change in employment. The July preliminary estimate of a 5,100 (0.3%) job gain was revised lower to a 3,500 (0.2%) increase. The first eight months of 2012 have now produced job growth of just 1,300 positions, below last year's pace of 8,000 through August.

Recession Recovery: Connecticut has recovered 30,100, or 25.6%, of the 117,500 total nonfarm jobs lost in the March 2008 - February 2010 recessionary downturn. The private sector has

Fig.1: Green Energy Job Openings, CT*

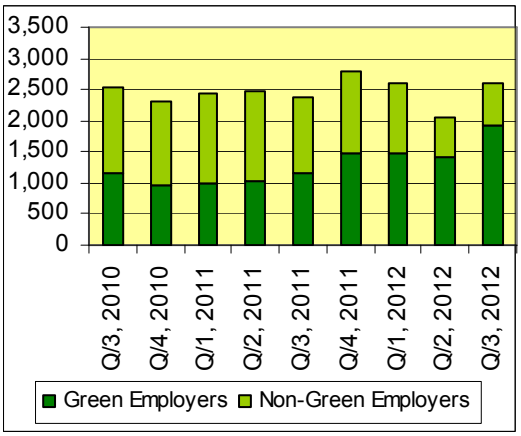


Table 2: Green Energy Job Opening Estimates by Industry

	Q/3,12
Total	2,690
Professional, Scientific, and Technical Services	600
Construction	590
Manufacturing	540
Wholesale Trade	260
Utilities	150
Accommodation and Food Services	140
Retail Trade	110
Finance and Insurance	20
Health Care and Social Assistance	20
Information	10
Mining, Quarrying, and Oil and Gas Extraction	10
Other Industries	120

Table 3: Job Opening Estimates by Green Energy Skills

	Q/3,12
Oil & Gas	400
Nuclear	400
HVAC	260
Gas Engine	250
Heat Exchange	230
Power Systems	220
Waste Management	190
Boiler	160
Thermal Analysis	140
Pumps	80
Energy Management	80
Electric Power	60
Water Treatment	60
Refrigeration	30
Energy Degrees	20
others	110

* estimate of online job postings

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regained 40,400 (36.7%) of the 110,200 private jobs lost in that same recessionary period. Financial activities, other services, government, and construction have continued to lose jobs even after the recovery began in February 2010. The current job recovery high point in Connecticut (1,634,900) was reached in February 2012 during the record warm winter.

- Source: CT DOL – Office of Research

What are Green Jobs

The Bureau of Labor Statistics (BLS) has developed two definitions for employers with green jobs:

Green Employers (**all** jobs are considered "green"):
Jobs in businesses that produce goods or provide services that benefit the environment or conserve natural resources.

Non-Green Employers (**some** jobs are considered "green"):
Jobs in which workers' duties involve making their establishment's production processes more environmentally friendly or use fewer natural resources.

Green energy refers to energy from renewable sources and energy efficiency. According to the BLS, energy from renewable sources includes electricity, heat, or fuel generated from renewable sources like wind, biomass, geothermal, solar, ocean, hydropower, and landfill gas and municipal solid waste.

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Table 4: Green Job Educational Requirements by Industry, Q/3, 2012

	Pre-Coll	2-Yr	4-Yr	Grad	PhD
Construction	280	280	30	N/A	N/A
Professional, Scientific, and Technical Services	73	94	330	59	44
Retail Trade	89	N/A	21	N/A	N/A
Accommodation and Food Services	70	N/A	70	N/A	N/A
Manufacturing	48	29	351	87	25
Wholesale Trade	41	24	143	29	23
Finance and Insurance	6	2	3	5	3
Information	10	N/A	N/A	N/A	N/A
Utilities	10	23	99	14	4
Mining, Quarrying, and Oil and Gas Extraction	10	N/A	N/A	N/A	N/A
Health Care and Social Assistance	8	N/A	4	4	4
Other Industries	30	16	51	16	7

Table 5: Job Opening Estimates: Green Energy Skills Green Employers vs. Non-Green Employers, Q/3, 2012

	Green Empl.	Non-Green Empl.
Gas Engine	10	250
HVAC	50	210
Heat Exchange	70	160
Thermal Analysis	20	120
Waste Management	80	120
Pumps	20	70
Power Systems	150	70
Electric Power	10	60
Oil & Gas	350	60
Nuclear	350	60
Water Treatment	20	40
Boiler	130	40
Energy Management	40	40
Refrigeration	20	10
Renewable Energy	N/A	10

METHODOLOGY

Data Source
SkillPROOF surveys the inventories of job openings at direct employers. Job openings are counted and verified every 24 hours. All data sources have been verified for timely removal of filled or closed positions. No data from job boards or search firms is included. Jobs from small employers without web sites and automated careers section are not included.

For this report SkillPROOF estimates the counts of job openings. Estimates are calculated directly from SkillPROOF's actual daily counts of job openings. As part of its calculations, SkillPROOF uses data and findings from the Bureau of Labor Statistics (BLS) (http://www.bls.gov).

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