Connecticut Green Jobs Report

April, 2012



Demand for Green Energy Skills Stable.

Demand for workers with green energy skills in Connecticut eased during the first quarter of 2012. The number of job openings in the first quarter of this year declined 6.8% compared to last quarter in 2011. At the same time the general job market declined 5.6%. Currently, job openings with green energy skill requirements represent 9.2% of all job opportunities in the state. The data suggests that non-green employers (see page 2 for explanation) had declining green energy skill requirements at the beginning of this year while green employers' requirements remained unchanged.

Table 1: Green Energy Job Openings, Connecticut*

Q/1, 12	Q/4, 11	Q/3, 11	Q/2, 11	Q/1,11
2,610	2,800	2,390	2,470	2,470

Unemployment rate comes down one-tenth to 7.7 percent; jobs recede by 2,700.

WETHERSFIELD, April 19, 2012 - Connecticut's labor market recovery departed from strong winter job growth in March by declining 2,700 total nonfarm jobs while the unemployment rate continued to fall. The unemployment rate declined one-tenth to 7.7% over the month and was down 1.4 percentage points over the year.

"The warm winter allowed many weather sensitive job sectors to remain active longer and show stronger growth than is typical. As a result, the normal seasonal upswings we see in the spring appear smaller than usual. Once seasonally adjusted, some of these sectors, including construction and trade, are showing declines." observed Andy Condon, Director of Office of Research.

Nonfarm Jobs: The Connecticut March 2012 total nonfarm job estimate decreased by 2,700 positions to 1,632,200, or -0.2% below the February 2012's revised level. Over the year, the state has added 10,500 jobs, which indicates 0.6% job growth. The preliminary February 2012 jobs estimate of a 4,900 (0.3%) increase was revised higher to a 6,000 gain (0.4%, 1,634,900). With job counts now at 1,632,200, the March 2012 level now is just below the previous highpoint achieved in this recovery at 1,634,900 jobs in February 2012.

Recession recovery: Connecticut has now recovered 37,500, or 31.9%, of the 117,500 total nonfarm jobs lost in the March 2008 to February 2010 recession (-6.9% of total nonfarm payrolls lost). Two years and one month into the recovery, total private sector

Fig.1: Green Energy Job Openings, CT*

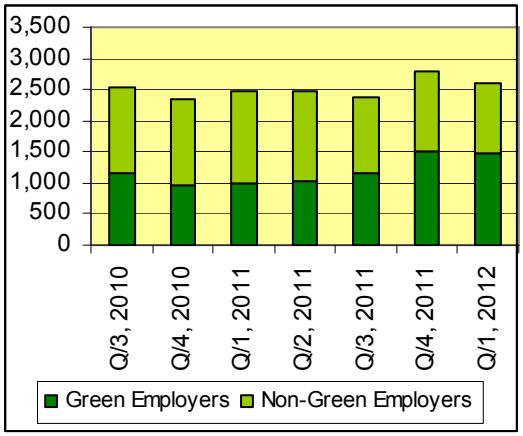


Table 2: Job Opening Estimates by Industry

	Q/1,12
Total	2610
Construction	800
Manufacturing	540
Professional, Scientific, and Technical Services	460
Wholesale Trade	200
Retail Trade	160
Utilities	140
Accommodation and Food Services	130
Finance and Insurance	30
Health Care and Social Assistance	10
Information	10
Mining, Quarrying, and Oil and Gas Extraction	10
Other Industries	120

Table 3: Job Opening Estimates by Green Energy Skills

	Q/1,12
Gas Engine	430
Nuclear	360
Oil & Gas	340
Power Systems	300
Waste Management	260
Heat Exchange	190
HVAC	180
Thermal Analysis	110
Electric Power	100
Pumps	100
Water Treatment	60
Boiler	60
Refrigeration	30
Renewable Energy	30
Energy Management	20

* estimate of online job postings

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job recovery from the Connecticut employment recessionary period has been doing better than overall nonfarm growth. The private sector has regained 46,600 (42.3%) of the 110,200 private jobs lost in the recessionary downturn. The job decline in the private sector in March 2012 was -3,100 (-0.2%) but still maintains a solid 15,300 position growth (1.1%) over the year. - **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/1, 2012

	Pre-Coll	2-Yr	4-Yr	Grad	PhD
Construction	400	400	N/A	N/A	N/A
Manufacturing	44	20	350	90	36
Professional, Scientific, and Technical Services	145	33	192	57	33
Wholesale Trade	31	26	120	23	N/A
Retail Trade	75	N/A	64	21	N/A
Utilities	11	22	89	13	5
Accommodation and Food Services	N/A	53	77	N/A	N/A
Finance and Insurance	5	3	14	7	1
Health Care and Social Assistance	3	1	2	2	2
Information	10	N/A	N/A	N/A	N/A
Mining, Quarrying, and Oil and Gas Extraction	10	N/A	N/A	N/A	N/A
Other Industries	34	10	57	19	N/A

Table 5: Job Opening Estimates: Green Energy Skills Green Employers vs. Non-Green Employers, Q/1, 2012

	Green Empl.	Non-Green Empl.
Gas Engine	10	420
Power Systems	140	160
HVAC	20	160
Heat Exchange	40	150
Electric Power	N/A	100
Pumps	N/A	100
Nuclear	280	80
Thermal Analysis	40	70
Oil & Gas	270	70
Water Treatment	10	50
Waste Management	210	50
Boiler	30	30
Refrigeration	N/A	30
Renewable Energy	10	20
Energy Management	N/A	20

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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