Connecticut Green Jobs Report

July, 2012



Job Openings for Green Energy Skills decline.

Labor demand for green energy skills declined 23.8% in Q/2, 2012 compared with the quarter before. Some of this change may come from a drop in general labor demand in the state.

Table 1: Green Energy Job Openings, Connecticut*

Q/2, 12	Q/1, 12	Q/4, 11	Q/3, 11	Q/2,11
1,980	2,610	2,800	2,390	2,470

Non-green employers posted only about half the number of openings while green employers barely had a change of needs. Compared with the same quarter a year ago, the number of job openings from green employers increased 37.3% while demand from non-green employers declined 59.7%.

Jobs improve by 1,400; unemployment rate edges higher to 7.8 percent.

WETHERSFIELD, June 14, 2012 - Initial May employment estimates reveal Connecticut may be returning to trend, following some strong seasonal distortions, by adding 1,400 jobs (0.1%) in May. The unemployment rate, up onetenth of a percent to 7.8% last month, came in with an increase in the number of unemployed (3,112) but also favorable labor force growth (5,270). An expanding labor force may signal jobseekers are reentering the labor market, sensing better employment prospects.

Nonfarm Jobs: The Connecticut May 2012 total nonfarm job estimate, seasonally adjusted, increased by 1,400 jobs, or 0.1% to 1,629,600. Over the year, the state labor market has grown by 6,200 jobs, or 0.4%. The April preliminary estimate of a -4,100 (-0.3%) job decline was revised lower to a -4,700 loss (-0.3%, 1,628,200). Connecticut's large employment fluctuations experienced since the beginning of the year appear to be driven by unusual seasonal patterns rather than purely economic forces. The first five months of 2012 have produced a job growth of 6,100 positions for the state which is just below 2011's January-May employment buildup of 7,700 positions. This is consistent with most forecasts which project continued slow, but positive recovery in the state.

Recession recovery: Connecticut has now recovered 34,900, or 29.7%, of the 117,500 total nonfarm jobs lost in the March 2008 - February 2010 recessionary period. The private sector has now regained 43,600 (39.6%) of the 110,200 private jobs lost in the recessionary downturn. Financial activities, other services, and government have continued to lose jobs even after the recovery

Fig.1: Green Energy Job Openings, CT*

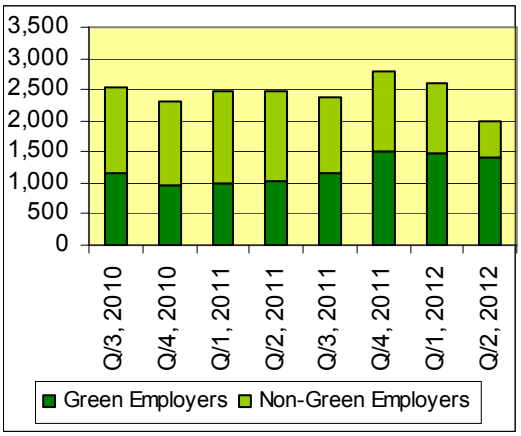


Table 2: Job Opening Estimates by Industry

	Q/2,12
Total	1980
Construction	420
Professional, Scientific, and Technical Services	400
Manufacturing	380
Accommodation and Food Services	200
Wholesale Trade	170
Utilities	100
Retail Trade	90
Other Industries	80
Finance and Insurance	20
Health Care and Social Assistance	10
Information	10
Mining, Quarrying, and Oil and Gas Extraction	10

Table 3: Job Opening Estimates by Green Energy Skills

	Q/2,12
Oil & Gas	220
Nuclear	190
HVAC	140
Power Systems	120
Gas Engine	90
Heat Exchange	90
Waste Management	80
Thermal Analysis	60
Boiler	60
Electric Power	50
Energy Management	40
Water Treatment	30
Pumps	30

* estimate of online job postings

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began in February 2010. However, last month, total private employment declined slightly (-200, less than 0.05%) as government had a large gain (1,600, 0.7%). Since last May, the private sector has added 9,900 positions (0.7%), while overall nonfarm employment is running at a somewhat slower pace (6,200, 0.4%). The current job recovery highpoint is February 2012 (1,634,900) for Connecticut.

- 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/2, 2012

	Pre-Coll	2-Yr	4-Yr	Grad	PhD
Construction	210	210	N/A	N/A	N/A
Professional, Scientific, and Technical Services	33	15	259	67	27
Manufacturing	120	27	159	47	27
Accommodation and Food Services	31	26	120	23	N/A
Wholesale Trade	79	N/A	68	23	N/A
Utilities	8	15	63	9	3
Retail Trade	N/A	37	53	N/A	N/A
Other Industries	13	7	38	18	4
Finance and Insurance	6	2	3	3	5
Health Care and Social Assistance	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	3	1	4	2	N/A

Table 5: Job Opening Estimates: Green Energy Skills Green Employers vs. Non-Green Employers, Q/2, 2012

	Green Empl.	Non-Green Empl.
HVAC	30	110
Gas Engine	10	80
Heat Exchange	30	60
Power Systems	60	60
Nuclear	140	50
Electric Power	10	40
Thermal Analysis	20	40
Pumps	10	20
Energy Management	20	20
Oil & Gas	200	20
Boiler	50	10
Waste Management	70	10
Water Treatment	20	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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