Connecticut Green Jobs Report

First Quarter, 2012



Green Energy Labor Demand in Connecticut on the Rise.

Green energy job openings grew 8.0% in December as compared to November. As of December, there were 2,970 green job openings (estimated) in Connecticut. This is the highest demand since job recordings began in 2010.

Table 1: Green Energy Job Openings, Connecticut*

Dec 11	Nov 11	Oct 11	Sep 11	Aug 11
2,970	2,750	2,680	2,570	2,350

The current green energy labor demand represents 10.6% of all online job openings in the state. About 55% of these job openings come from green employers and 45% from non-green employers (see page 2 for explanation). Demand in this area is likely to grow as the economic recovery continues.

CBIA launches Green Energy Website

The Connecticut Business & Industry Association (CBIA) Education Foundation has launched GetIntoEnergyCT.com, a new website funded by the U.S. Department of Labor and the Connecticut State Energy Sector Partnership. This site will help energy and green technology companies meet their need for skilled workers.

The website features:

- Day-in-the-life career videos
- An employer locator
- Internship opportunities
- Scholarships
- Current events, including energy-sector workshops, seminars, and career fairs
- Toolkits for businesses and educators on organizing everything from classroom presentations to summer camps

GetIntoEnergyCT.com is an excellent resource for a wide variety of people including:

- Students and jobseekers exploring energy careers, scholarships, and training
- Teachers seeking to broaden students' understanding of concepts and career pathways in energy and green technology
- Energy companies developing and expanding their talent pool

Fig.1: Green Energy Job Openings, CT*

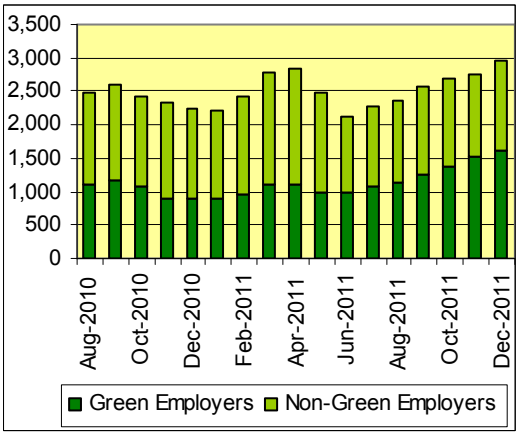


Table 2: Job Opening Estimates by Industry

	Dec 11
Total	2970
Construction	880
Manufacturing	590
Professional, Scientific, and Technical Services	530
Accommodation and Food Services	290
Wholesale Trade	190
Retail Trade	190
Utilities	140
Finance and Insurance	40
Health Care and Social Assistance	20
Information	10
Mining, Quarrying, and Oil and Gas Extraction	10
Other Industries	80

Table 3: Job Opening Estimates by Green Energy Skills

	Dec 11
Gas Engine	500
Power Systems	310
Nuclear	290
Oil & Gas	230
HVAC	220
Heat Exchange	180
Waste Management	150
Electric Power	130
Pumps	90
Boiler	90
Water Treatment	80
Thermal Analysis	70
Energy Management	70
Renewable Energy	20
Refrigeration	10

* posted online

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GetIntoEnergyCT.com is also the website for the Connecticut Energy Workforce Development Consortium (CTEWDC), a public-private partnership of representatives from energy-related businesses, government, and academia. The CTEWDC's mission is to meet the evolving workforce needs of Connecticut's traditional and alternative energy suppliers and energy efficiency companies.

Original Announcement: Connecticut Clean Energy Communities Blog

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.

Connecticut Regional Green Job Coordinators

Ann Harrison
Workforce Alliance (South Central CT)
(203) 867-4030, ext. 267
aharrison.ctwbs@ct.gov

Tim Murney
Eastern CT Workforce Investment Board (Eastern CT)
(860) 235-7346
timmurney@comcast.net

Diana Napier
The Workplace, Inc. (Southwest CT)
(203) 610-8552
dnapier@workplace.org

Ray Sullivan
Northwest Regional Workforce Investment Board, Inc. (Northwest CT)
(203) 217-1100
raymond.sullivan@nrwib.org

Pamela Rendsland Tonello
Capital Workforce Partners
(North Central CT)
(860) 899-3495
ptonello@capitalworkforce.org

Table 4: Green Job Educational Requirements by Industry

	Pre-Coll	2-Yr	4-Yr	Grad	PhD
Construction	440	440	N/A	N/A	N/A
Manufacturing	48	22	369	103	48
Professional, Scientific, and Technical Services	181	38	225	87	N/A
Accommodation and Food Services	N/A	119	171	N/A	N/A
Wholesale Trade	25	26	92	21	24
Retail Trade	75	N/A	86	29	N/A
Utilities	13	22	87	12	6
Finance and Insurance	1	1	5	3	N/A
Health Care and Social Assistance	42	19	19	N/A	N/A
Information	40	N/A	N/A	N/A	N/A
Mining, Quarrying, and Oil and Gas Extraction	12	N/A	8	N/A	N/A
Other Industries	3	1	5	1	N/A

Table 5: Job Opening Estimates: Green Energy Skills Green Employers vs. Non-Green Employers

	Green Empl.	Non-Green Empl.
Gas Engine	N/A	500
Power Systems	140	170
HVAC	60	160
Heat Exchange	30	150
Electric Power	N/A	130
Water Treatment	N/A	80
Pumps	10	80
Thermal Analysis	10	60
Waste Management	90	60
Nuclear	240	50
Oil & Gas	180	50
Boiler	50	40
Energy Management	40	30
Refrigeration	N/A	10
Renewable Energy	10	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).

Program Contact:
Ms. Beth Auerbach
CT Department of Labor
Office for Workforce Competitiveness
200 Folly Brook Blvd.
Wethersfield, CT 06109
(860) 263-6518 (Phone)
(860) 263-6529 (Fax)

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This report was produced by
SkillPROOF Inc.
510 Barnum Ave, Suite 402 • Bridgeport, CT 06608
phone: (203) 275 - 8155
web: http://www.skillproof.com