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Clean Energy Industry Workforce Issues: Employer Engagement

National Center for a Clean Energy Workforce Scoping Workshop

*Sacramento, CA
March 14, 2011*

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Clean Energy State Leadership Scorecard



State	Total Marks Earned (out of 56 possible)	Percent of Total Marks Possible
California	48	86%
Massachusetts	45	80%
Oregon	43	77%
Colorado	35	63%
New Jersey	35	63%
Connecticut	34	61%
New York	34	61%
Maryland	32	57%
Washington	32	57%
Minnesota	30	54%
Arizona	28	50%
Illinois	28	50%
Florida	24	43%
Pennsylvania	24	43%
Texas	20	36%

Source: Clean Edge, Inc., 2010





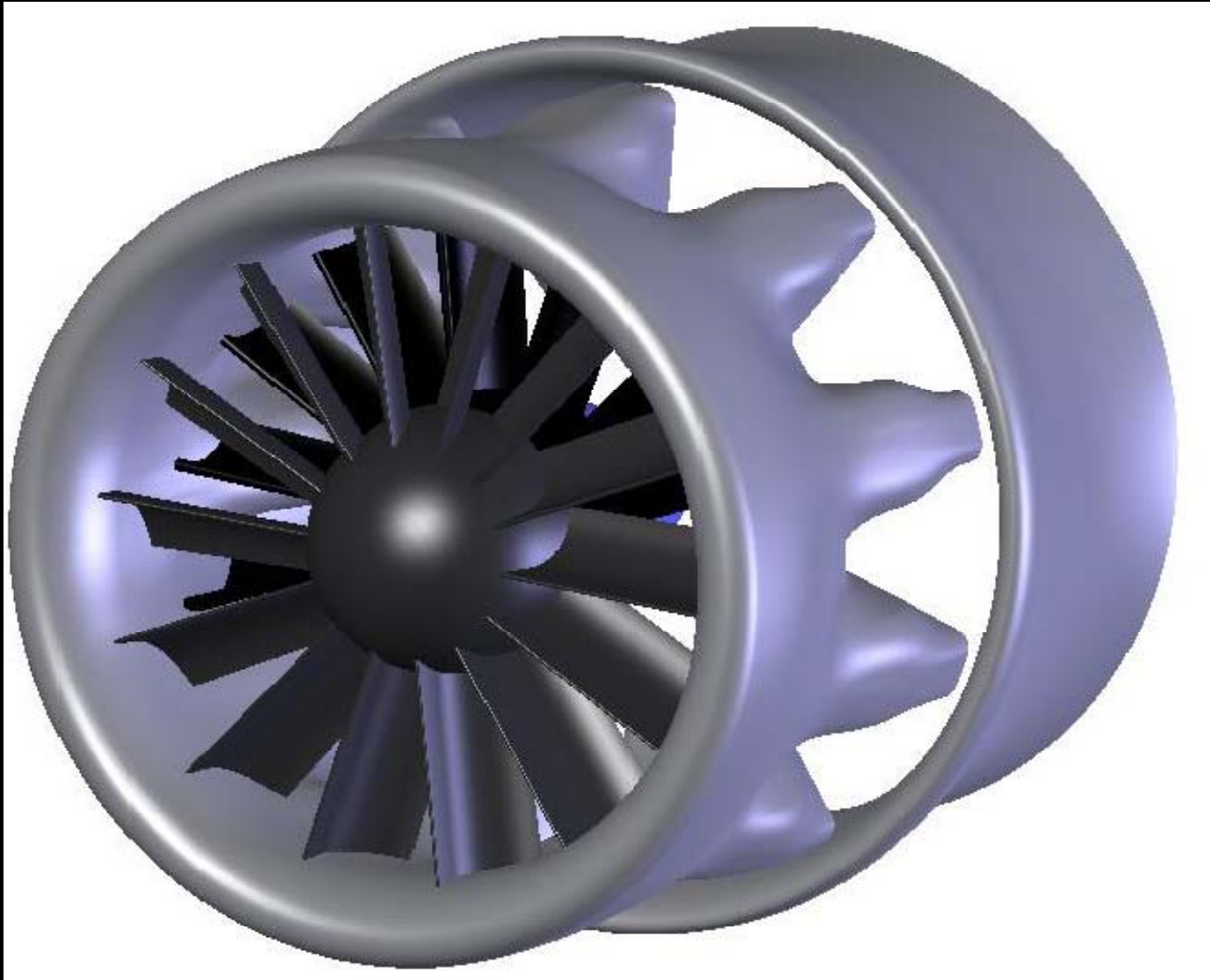
QTEROS



Turbine Technology



FloDesign Wind Turbine



Advanced Insulation

aspen | aerogels



Council's Current Programs



Innovation

- Consortia
- Mentorship / EIR Program
- Fellowship & Exec Ed

Growth

- DC Fly-in
- Conference partnerships
- Finance Series

Education

- Workforce Development – Employer Forums
- Workforce training DB

Adoption

- Gov Clean Energy Challenge
- Developers Roundtable

Policy

- Climate / energy federal advocacy
- State, regional policy initiatives
- *NEW*: RGGI & N.E. Clean Energy 2.0

Workforce Issues and Solutions



Issue: How can the industry help the workforce development, education and training community create effective initiatives that meet real clean energy industry needs in a timely fashion?

Our solution: Development of a creative employer engagement initiative within the workforce program of the New England Clean Energy Council.

What does the the workforce community want from clean energy employers?



(1) Venues for building relationships/sharing information

(2) Labor market and training information

- * Company names and contacts
- * Current employment data
- * Representative job descriptions and KSA needs
- * Workforce need trends and projections
- * Preferred training and education providers

(3) Active participation in workforce and training programs

- * Assistance with program development and delivery
- * Posting positions on job boards
- * Hosting of Interns, fellows and co-op education students
- * Bringing booths to career fairs, conferences, workshops
- * Job placement! Job placement! Job placement!

Reliable “green job” labor market information



Massachusetts Residential Energy Efficiency Workforce Needs, 2008–2012



Our 2009 study of residential energy efficiency workforce needs helped Massachusetts understand how many auditor, weatherization and HVAC jobs were likely from ARRA and other new efficiency investments.

Year	Auditor FTEs	Change	Insulation/AS FTEs	Change	HVAC/R FTEs	Change
2008	95	----	276	----	184	----
2009	125	+30	488	+212	380	+196
2010	157	+32	677	+189	516	+136
2011	189	+32	799	+122	754	+238
2012	227	+38	805	+6	791	+37

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Massachusetts Clean Energy Careers Training & Education Directory

SEARCH FOR ALL PROGRAMS | OTHER RESOURCES | Quick Search | RESULTS (0 found)

News for 2011: The Massachusetts Clean Energy Internship Opportunity Program will support internships of participating Massachusetts clean energy companies. Information and applications here available. [FAQs](#) | [Company Registration](#) | [Apply Online](#)



The Massachusetts Clean Energy Careers Training & Education Center Directory aims to connect energy efficiency and renewable energy industry professionals, job seekers, and students with education and training opportunities throughout the Commonwealth.

We hope you find this site to be a helpful resource, whether you are pursuing a career in the clean energy industry, advancing your present career by acquiring new skills and knowledge, or simply satisfying a desire to learn more about this exciting and important area.





Cleanenergyeducation.org is a collaborative effort between the Northeast Energy Efficiency Partnerships and the New England Clean Energy Council, in partnership with the Massachusetts Clean Energy Center.

The Massachusetts Clean Energy Careers Training & Education Center Directory aims to connect energy efficiency and renewable energy industry professionals, job seekers, and students with the most opportunities for education and training that exist throughout the Commonwealth.

Cleanenergyeducation.org is a collaborative effort between the Northeast Energy Efficiency Partnerships and the New England Clean Energy Council, in partnership with the Massachusetts Clean Energy Center. While these partners strive to maintain the accuracy of the information being presented on this site, users are urged to independently pursue any opportunities of interest to verify and obtain additional information.

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The NE Council has collaborated with the Massachusetts Clean Energy Center and the Northeast Energy Efficiency Partnerships to create a continually updated online directory of all clean energy training and education programs in the state.

Cleanenergyeducation.org will later be expanded to cover all of New England.

Education and Fellowships for New Clean Energy Industry Entrepreneurs



Programs



Executive



Boston University School of Management
Executive Programs

Leading Clean Energy Ventures

Offering executives a better understanding of the emerging clean energy landscape

February 3 - April 28, 2011

Boston University School of Management
Executive Leadership Center

*For complete program details visit
bu.edu/cleanenergyventures*

Building partnerships through multi-stakeholder workforce roundtables



Program Goals: Provide employer viewpoint to clean energy workforce development, recommending ideas and actions to accelerate job growth and assure a high quality workforce in Massachusetts

Core Funding: Garfield Foundation, Skillworks, member companies

Other partners: MA Clean Energy Center, University of Massachusetts

Actions:

- Hold roundtables in Lowell, New Bedford and Amherst
- Complete analysis of findings and recommendations
- Disseminate results through webinars, in-person meetings, website posts

Contact Us!



For more about our employer engagement efforts, contact:

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Visit NECEC online at www.cleanenergycouncil.org