



CONNECTICUT
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CT Clean Energy Fund Workforce Development Initiatives

**Presented to the
*Green Jobs Coordination and Policy Committee Meeting***

January 21, 2010

Presentation Overview



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- ▶ Overview of the Connecticut Clean Energy Fund
- ▶ CCEF Education Programs
- ▶ CCEF Workforce Development Programs
- ▶ Federal Initiatives
- ▶ CCEF Leadership



Connecticut Clean Energy Fund



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**THE POWER TO
MAKE A DIFFERENCE**

CLEAN ENERGY BENEFITS ALL OF US

- Stabilizes energy costs
- Builds energy independence
- Generates local jobs
- Creates a healthy environment
- Combats global warming
- Leaves our children a better world

BENEFITS

A collage of four images: a river with rocks, a person installing solar panels, two children playing in a field, and a pair of hands holding a small globe of the Earth.

- ▶ **Created in 1998, launched in 2000**
- ▶ **Mission: The CCEF promotes, develops and invests in clean energy sources for the benefit of Connecticut ratepayers**
- ▶ **Vision: Connecticut will lead the nation in achieving a sustainable balance of energy production, economic growth and environmental impact**



Governance & Funding

- ▶ **Electric Ratepayer Funded (\$28 M/Yr)**
- ▶ **One Time Federal Funding-- \$20 million**
- ▶ **RGGI Funding--\$5 million**
- ▶ **15 Member Board Appointed by Governor, Legislature and Connecticut Innovations**
- ▶ **Administered by Connecticut Innovations**
- ▶ **Small Staff**
- ▶ **DPUC Approves Comprehensive Plan**
- ▶ **Annual Independent Audit and State Audit by Auditors of Public Accounts**

CCEF Education Programs: STEM based



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▶ Learning for Clean Energy Innovation (LCEI)

- ▶ Professional development, curriculum materials and classroom toolkits on solar & wind energy
- ▶ 180 CT science teachers trained
- ▶ Aligns with 9th grade science frameworks



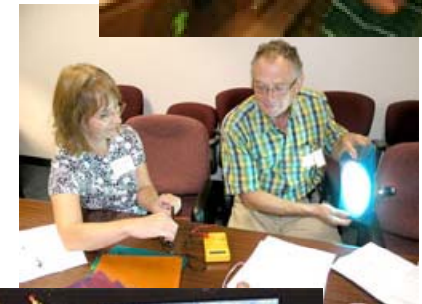
▶ Clean Energy Climate Solutions

- ▶ Materials & activities on clean energy as a climate solution for 10 (15 in 2010) informal education centers
- ▶ Grades 3-12, aligns to science frameworks



▶ Connecticut Science Center

- ▶ Co-sponsorship with CEEF of “Energy City” gallery on clean and efficient energy
- ▶ Grades 4-9





CCEF Workforce Development - Current

▶ Learning for Clean Energy Innovation - Tech

- ▶ Direct grant to CT Technical High School System
- ▶ Electrical, Plumbing and Heating Trades
- ▶ Solar PV and solar thermal
- ▶ Professional development, curriculum and equipment

▶ CCEF Incentive Programs

- ▶ Supporting professional standards – 40 hrs training req.
- ▶ Hosted training for inspectors

▶ Supporting...

- ▶ Connecticut Energy Sector Partnership
- ▶ Energy Workforce Development Consortium
- ▶ CT Community Colleges
- ▶ UCONN Center for Clean Energy Engineering,
- ▶ ECSU/ Institute for Sustainable Energy
- ▶ And others



Workforce Development - Future



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- ▶ Support existing trade license holders
- ▶ RFP to support solar equipment needs for hands on training

Federal

- ▶ Aid from DOE Trainer Network for NE states (CT allocation pending)
 - ▶ Hudson Valley Community College – PV
 - ▶ Kennebec Valley Community College – ST



CCEF Creates New Programs: ARRA



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- ▶ **\$8M – Fuel Cells - existing program**
- ▶ **\$3M – Solar PV – to be divided among existing commercial & residential programs**
- ▶ **\$4M – Solar Thermal – new program for residential and commercial customers**
- ▶ **\$5M – Geothermal Ground Source Heat Pumps – new program**
- ▶ **RESULTS = 1300 Job Years From ARRA Funding**



CCEF Leadership

CCEF's strategy is to actively pursue competitive federal funding and to leverage strategic partnerships to attract additional funding for green energy jobs. Examples include:

- ▶ **DOE Loan Guarantee – CCEF and CDA**
- ▶ **Community Energy Savings Block Grant – CCEF/ 8 Partners/14 towns**
 - ▶ Solar Thermal Loan Pool
 - ▶ Energy Efficiency Loan Pool
 - ▶ Estimated Jobs - 386
- ▶ **New England Regional Innovation Consortium**
- ▶ **Energy Training Partnership Grant – *Energize CT!* (not funded)**
- ▶ **State Energy Sector Training Grant – awarded \$3.36 million**
- ▶ **Dept. of Energy – Power Systems Education (pending)**



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ctcleanenergy.com

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