

First International Conference on Fuel Cell Development and Deployment
Connecticut Global Fuel Cell Center
March 7-10, 2004
Storrs, Connecticut



The Connecticut Clean Energy Fund Investing in the Power of Tomorrow

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Connecticut Clean Energy Fund

Mission Statement

The Clean Energy Fund will invest in enterprises and other initiatives that promote and develop **sustainable** markets for energy from **renewables** and fuel cells for the benefit of Connecticut ratepayers.



CCEF - Strategic Investments

Technology Focus Areas

- Wind
- Fuel Cells
- Hydrogen Production & Storage
- Biomass and Landfill gas
- Wave / Ocean
- Solar



Major Initiative Areas

- Technology Initiatives
- Traditional Investments
- Project Development
- Education and Outreach
- Renewable Energy Certificates
- Climate Change Action Plan



CCEF Initiatives

Technology Initiatives

- Assistance in Deploying Commercial Units
 - Fuel Cell and Solar Projects through RFP Process
 - Real World Applications
 - High Value, Mission Critical Projects
 - SW Connecticut location Given Priority
- Performance Assessment Program
- Acceleration of Commercialization
 - Demonstration Projects Through RFP Process
 - Selected Small Scale Project Development
 - Biomass Gasification
 - Small Wind





CCEF Initiatives

Traditional Investments

- Debt and Equity
- Companies at all Stages
- Selected Investments
 - Proton Energy Systems
 - GenCell Corporation
 - Accumentrics Corporation
 - Ztek Corporation
 - Energetech Australia Pty. Ltd.
 - Surepower Corporation



CCEF Initiatives

Project Development

- Legislative Incentives Enacted in 2003
 - 100 MW by 2007
 - Premium Pricing
 - Long-term Power Purchase Agreements
- Pre-Development and Development Funding
- Potential Technologies
 - Biomass
 - Fuel Cells
 - Wind
 - Landfill Gas



CCEF Initiatives

Education and Outreach

- Smart Power CT
- Global Fuel Cell Center at UConn
- Fuel Cell Investment Summit
- Connecticut's Energy Future – CPTV
- Renewable Energy Bus
- National Renewable Energy Lab (NREL) Internships
- Interstate Coordination





CCEF Initiatives

Renewable Energy Certificates

Commonly referred to as TRCs, RECs, GREEN TAGS, or GREEN ATTRIBUTES are created when a renewable energy facility generates electricity

**PRODUCTION OF
RENEWABLE ENERGY**

**TRADABLE RENEWABLE
CERTIFICATES**

COMMODITY
ELECTRICITY



CCEF Initiatives

Climate Change Action Plan



- Stakeholder process
- Four sectors analyzed
 - Transportation
 - Residential, Commercial, and Industrial
 - Agriculture, Forestry, and Waste
 - Electricity
- 55 recommended actions identified that achieve substantial progress toward greenhouse gas (GHG) emissions targets