



# **Renewable Energy Hedges:**

*How they can save your organization money and reduce your carbon emissions*

***U.S. EPA's Green Power Partnership***

***Blaine Collison, U.S. EPA***



***Green Power Partnership Webinar***

***March 31, 2009***

# Today's Agenda

- Introduction
  - Blaine Collison, Director, EPA's Green Power Partnership
- Renewable Energy Hedges 101
  - Timothy Swanson, NextEra Energy
- Southern New Hampshire University Case Study
  - Hunter Brownlie, President, Eco Power Hedge LLC
  - Roy Morrison, Director of Sustainability at SNHU and Co-founder of Eco Power Hedge LLC.
- Question & Answers



# Webinar Logistics

- You will be muted throughout this webinar to minimize background noise.
- Submit questions and comments in writing via the online control panel. To minimize or maximize the control panel, click on the >> button at the top left of the tool bar.
- Presentations from today's session will be made available for download in a few weeks at:  
[www.epa.gov/greenpower/events/index.htm](http://www.epa.gov/greenpower/events/index.htm)
- When you exit the webinar, you will be prompted to fill out a post-webinar survey, including if you would like to be contacted by today's panelists.



# What is Green Power?

- Green power is an “environmentally-differentiated” electricity product from:
  - solar
  - wind
  - geothermal
  - biomass
  - biogas
  - small hydro



# Green Power Benefits

- Environmental
  - Reduce greenhouse gases (GHGs)
  - Reduce criteria pollutants\*
  - Water conservation
- Energy Price Stability/Reliability
  - Reduced demand for natural gas lowers prices
  - Electricity price stability
  - On-site systems can reduce T&D requirements
- Economic Development
  - Job creation
  - Landowner lease payments (\$2000-\$5000/wind turbine)
  - Tax revenues (often in rural areas that need them)



# Buying Green Power – Product Options

- Green Power Electricity Products
  - Buy electricity from utility green pricing programs or green power retail marketers that is all, or partially, generated from renewable sources
- Renewable Energy Certificates (REC)
  - Buy only the environmental “attributes” associated with the electricity generated (1 REC = 1 MWh)
- On-site Generation
  - Install renewable energy system on-site (e.g. solar panels, wind turbines)



# Partnership Offerings & Benefits

- Credible Benchmarks
  - Metric for “How much green power is enough?”
  - Definition of eligible renewables
- Planning & Implementation Resources
  - Green power locator [www.epa.gov/greenpowerpubs/gplocator.htm](http://www.epa.gov/greenpowerpubs/gplocator.htm)
  - Purchasing guidance
  - Marketing and communications support
  - Environmental impact information [www.epa.gov/greenpower/pubs/calculator.htm](http://www.epa.gov/greenpower/pubs/calculator.htm)
- Recognition
  - Top Partner lists
  - Green Power Leadership Awards
  - Promotional opportunities
  - Use of the Partnership logo



# Want to Know More?

- Basic Information

- An overview of Green Power Partnership is available on EPA's Web site [www.epa.gov/greenpower](http://www.epa.gov/greenpower)
- To see EPA's Top Partner Lists, please visit: <http://www.epa.gov/greenpower/toplists/index.htm>

- More Questions?

- Blaine Collison, 202-343-9139, [collison.blaine@epa.gov](mailto:collison.blaine@epa.gov)
- Anthony Amato, 617-357-4630, [anthony.amato@erg.com](mailto:anthony.amato@erg.com)

