

# 2009 Green & Sustainable Conference

Thursday, April 16, 2009  
Double Tree Hotel Conference Center  
S. Burlington, Vermont

## **Green Building for Disaster Survivability Power Loss, Heat Loss, & Water Damage Recovery**

### Schedule & Program of Events

- 6:30–7:30 am Trade Fair set-up
- 7:30–8:30 am Registration & Trade Fair
- 8:30–9:30 am **Vermont Power Grid Reliability**  
Keynote **David O'Brien**, Commissioner, VT Dept of Public Service
- 9:30–10:00 am Trade Fair with Continental Breakfast
- 10:00–11:00 am **Passive Envelope Design for Survivability**  
**Andy Shapiro**, Energy Balance
- 11:00-11:30 am Trade Fair
- 11:30-12:30 pm **Electrical & Heating System Survivability**  
**Andy Cay**, Integrated Solar Applications Corp
- 12:30 – 1:30 pm LUNCH & Trade Fair
- 1:30 – 2:30 pm **Catastrophic Water Damage Recovery**  
**Barry Kray**, Munters Corp.  
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- 2:00 – 4:00 pm** **TRADE FAIR OPEN AT NO COST**  
~ **Architects, Engineers, Contractors and Designers** ~  
Light refreshments will be served.  
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- 4:00 – 5:00 pm** **Vermont Chapter CSI Annual Meeting**



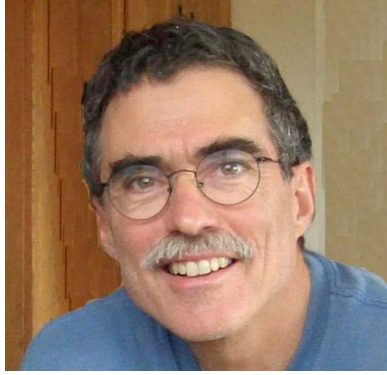
**David J. O'Brien  
Commissioner  
Vermont Department of Public Service  
Keynote Speaker on the Vermont Power Grid Reliability**

**Bio**

David O'Brien was named Commissioner of the Department of Public Service by Governor James Douglas at the time of his inauguration. The Department represents the public interest in regard to utility regulation, energy and telecommunications policy and planning, and utility-related consumer protection.

Previously Mr. O'Brien served as Executive Director of the Rutland Economic Development Corporation, a business-government partnership focused on business expansion, growth and retention in the city of Rutland. Before coming to Vermont in 1992, he was a commercial banker in Connecticut.

Mr. O'Brien holds a Bachelors Degree in accounting from the University of Bridgeport and a Masters Degree in Finance from Fairfield University.



**Andrew M. Shapiro**  
**President**  
**Energy Balance, Inc.**  
**Speaker on Passive Envelope Design for Building Survivability**

**Bio**

Andy Shapiro's goal is to create inspiring, high performance buildings that meet the needs of the occupants, the builders and the earth. He has provided energy and other green building design consulting services for 25 years to a wide variety of clients, including owners, architects, engineers and builders, as well as housing developers, universities, businesses and electric utilities. Services range from sustainable building design to research and monitoring projects. He is also the Scientist-in-the-Classroom for the Vermont Energy Education Program, training teachers and students. Recent projects the NRG Systems manufacturing and office facility (70% renewably powered -- LEED Gold) in Hinesburg, VT, and a 30,000 sq. ft. addition to that building, Waterfront Housing, affordable housing project in Burlington, VT, and several "net-zero-energy" houses in Vermont.



**Andrew R. Cay**  
**Integrated Solar Applications Corporation**  
**Speaker on Electrical & Heating System Survivability**

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Andrew Cay is the President of Integrated Solar Applications Corporation (“Integrated Solar”), a business founded in 1975 in Brattleboro. Integrated Solar provides design, engineering, consulting and installation services for renewable energy systems. Integrated Solar specializes in solar thermal, photovoltaic, small wind, geo thermal, micro-hydro, biomass and hybrid renewable energy systems. Integrated Solar is a Solar Thermal, Photovoltaic and Wind Partner with the Vermont Solar and Wind Partnership Program. Integrated Solar works with new and existing buildings to arrive at optimal solutions for energy conservation and the implementation of renewable energy technologies.

In addition to his expertise in renewable energy technologies, Andy has extensive experience with building envelope design, energy modeling and integrated building design with the goal of getting to net zero energy. Andy’s education includes a B.S. in Mechanical Engineering from Worcester Polytechnic Institute and a MBA from The University of North Carolina-Chapel Hill.

Integrated Solar’s Mission Statement is “We are Partners in the Renewable Revolution bringing Net Zero Energy Solutions to the World.”



**Paul Miller**  
**Munters Moisture Control Services**  
**Speaker on Catastrophic Water Damage Recovery**

**I have been in the property damage restoration services for 7 years now. Two of my most recent years have been with Munters here in New England and Florida. I started with a company in Albany, NY where I learned all about the restoration industry. I have been on such major disaster events as the Midwest flooding in Cedar Rapids, Iowa as well as Hurricane Ike that hit Galveston and Houston.**

