

# RUTGERS

Edward J. Bloustein School  
of Planning and Public Policy

The New Jersey Sustainable State Institute  
and  
The Rutgers Innovation Studies Initiative  
present

## *Reaching Our Targets: Innovative Global Warming Solutions for New Jersey*

Monday, October 29, 2007  
8:30 a.m. - 4:15 P.M.

New Jersey has adopted the most aggressive target for the reduction of greenhouse gas emissions of any state. Now New Jersey is grappling with the challenge of achieving these targets.

**NJSSI and the Rutgers Innovation Studies Initiative** are releasing the results of the New Jersey Energy Sustainability Project- a just completed major research and stakeholder process to develop indicators and targets to guide climate and energy policy. All conferees will receive a copy of the full report, complete with new data, modeling, and projections for the future of New Jersey, and analysis of key policy options.

Part one of the conference addresses reaching our short term targets. Part two looks at 2050 and beyond. Experts will weigh the opportunities for innovative technologies and public policies beyond the current state and national dialogue.

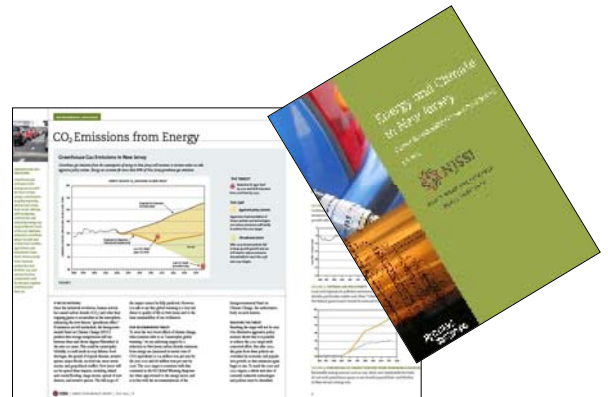
The conference fee is \$35 and includes breakfast and lunch. **A limited number of scholarships (free admission) are available for RUTGERS students, faculty, and staff.**

AICP planners attending this conference will be eligible to receive 5 Certification Maintenance credits, subject to course approval by AICP. Attendance is required for the duration of the conference in order to receive credits.

George Street Playhouse  
9 Livingston Avenue  
New Brunswick, NJ

To register or obtain additional information, visit:  
[www.njssi.org](http://www.njssi.org) or contact Medea Villeré at (732) 932-5475 x660 or email  
[medeav@rci.rutgers.edu](mailto:medeav@rci.rutgers.edu) Use "Energy Conference" in the subject line.

**THANK YOU TO OUR SPONSORS: PSE&G and the William Penn Foundation**



# AGENDA

**8:30 - 9:00 NETWORKING BREAKFAST**

**9:00 - 9:10 WELCOME**

**Jim Hughes** (Dean, Edward J. Bloustein School of Planning and Public Policy, Rutgers University) &

**Ralph LaRossa** (President, CEO of PSE&G)

**9:10- 10:10 SESSION I: Indicators and Targets for Energy Sustainability: Official Release of the results of the Energy Sustainability Project**

**Clint Andrews** (Director, Urban Planning and Policy Development Program) & **Randy Solomon** (Executive Director, NJSSI)

Energy and climate will be dominating New Jersey's policy debate for decades to come. What considerations should guide us as we adapt to climate change and make the transition to a low-carbon future? After a year long process of deliberation and research, a group of New Jersey leaders and thinkers has established a set of targets that New Jersey must achieve, and indicators that can be used to track our progress.

Our targets for New Jersey call for a 13% reduction in CO2 emissions by 2020. Our research suggests that it will take aggressive action to reach these targets. What near term policy responses should be considered and implemented in New Jersey?

NJSSI's research suggests that, with currently available technologies and policies, New Jersey can, with concerted effort, reach its 2020 targets for CO2 reductions. But unless new "game changing" technologies and policies not in the current mix are developed, CO2 emissions will eventually begin rising again and we will fall well short of our 2050 target of an 80% reduction from current levels. What technologies and policies are developing on the cutting edge? What can we do to hurry them along?

**10:10 - 11:30 SESSION II: 2020: State and Local Responses to a Global Crisis**

**Jeanne Fox** (President, NJBPU),

**Bob Ceberio** (Executive Director NJ Meadowlands Commission),

**James Polos** (Freeholder, Middlesex County),

**Senator Bob Smith** (INVITED),

**Trenton Mayor Doug Palmer** (INVITED)

New Jersey has long been a leader in climate and energy policy. Currently there is a Global Warming Response Act, an Energy Master Plan, a Renewable Portfolio Standard, and a Clean Energy Program, to name a few. What direction are these initiatives headed, and what new directions are and should be considered as New Jersey marshals her forces to achieve our 2020 carbon emissions and energy targets? Although climate change is a global issue, many of the impacts of climate change, and the impacts of our policy responses, will be felt and managed at the local level. The importance of local action is heightened by the continued lack of Federal leadership on energy and climate issues. Many New Jersey municipalities and counties appear to be stepping up to the plate.

**11:30-11:45 Break**

**11:45 - 12:45 SESSION III: 2050: Changing Land Use Patterns**

**Reid Ewing** (National Center for Smart Growth, University of Maryland),

**Marty Bierbaum** (Executive Director, Municipal Land Use Center, The College of New Jersey),

**Dan Chatman** (Director, Alan M. Voorhees Transportation Center),

**Tim Evans** (Director of Research, NJ Future)

Land use changes are slow, playing out on a generational time scale. They embody our behaviors and preferences. How do settlement patterns influence

greenhouse gas emissions? Which land use plans and policies will enable us to make better choices as we buy homes, commute, shop, and go to school? What configurations of the built environment do people like and how fixed are their preferences?

**12:45-1:45 LUNCH**

**1:45 - 2:45 SESSION IV- 2020: Nuclear Power?**

**Matt Elliott** (Environment NJ),  
**John Weingart** (Associate Director, Eagleton Institute of Politics-**INVITED**)  
**Representative from PSE&G**

What role will nuclear power play in New Jersey's Energy Future? Experts disagree about how risky nuclear power is, and we have not agreed on how to dispose of nuclear waste. However the technology has improved, and because it does not generate greenhouse gases some think it should play a continuing role in our energy future. With half of the electricity generated in New Jersey coming from four nuclear power plants that, must be relicensed or shut down - starting with Oyster Creek in 2009 - this is an issue that must be resolved soon.

**3:00 - 4:15 SESSION V- 2050: Fostering Technological Innovation**

**Willet Kempton** (University of Delaware College of Marine and Earth Studies),  
**Tom Schneider** (Vice Chair, Energy Policy Committee, Institute of Electrical and Electronics Engineers),  
**Paul Falkowski** (Director, Rutgers Energy Institute)

How quickly do major changes occur in the energy economy? Both technological and behavioral changes have vocal proponents and offer possibilities for dramatically improving New Jersey's carbon emissions profile without imposing unacceptable tradeoffs. Meanwhile, the energy sector innovation system has been under-performing, with research effort lagging far behind the biotech and information sectors, and even lagging mature industries like steel and concrete. What reforms does the system need? What policies can spur energy technology innovation? Which promising technologies are appearing on the horizon?

*This program is presented by the New Jersey Sustainable State Institute, the Rutgers Innovation Studies Initiative, and the Edward J. Bloustein School of Planning and Public Policy at Rutgers University.*

*Located at Rutgers University, NJSSI works to provide decision makers and all New Jersey citizens with a clear picture of where we are, where we are headed, and what we need to achieve to be sustainable.*

[www.njssi.org](http://www.njssi.org)

*The Rutgers Innovation Studies Initiative is a university-wide, multidisciplinary effort to describe, understand, and improve key innovation systems.*

[www.innovation.rutgers.edu](http://www.innovation.rutgers.edu)

*The Edward J. Bloustein School of Planning and Public Policy at Rutgers University is "policy central" for New Jersey.*

[www.policy.rutgers.edu](http://www.policy.rutgers.edu)

**THANK YOU TO OUR SPONSORS:**

